Pacific-Coast-Avionics™

SINCE 1991

2023 PRODUCT CATALOG

Avionics · Instruments · Pilot Supplies · Installations
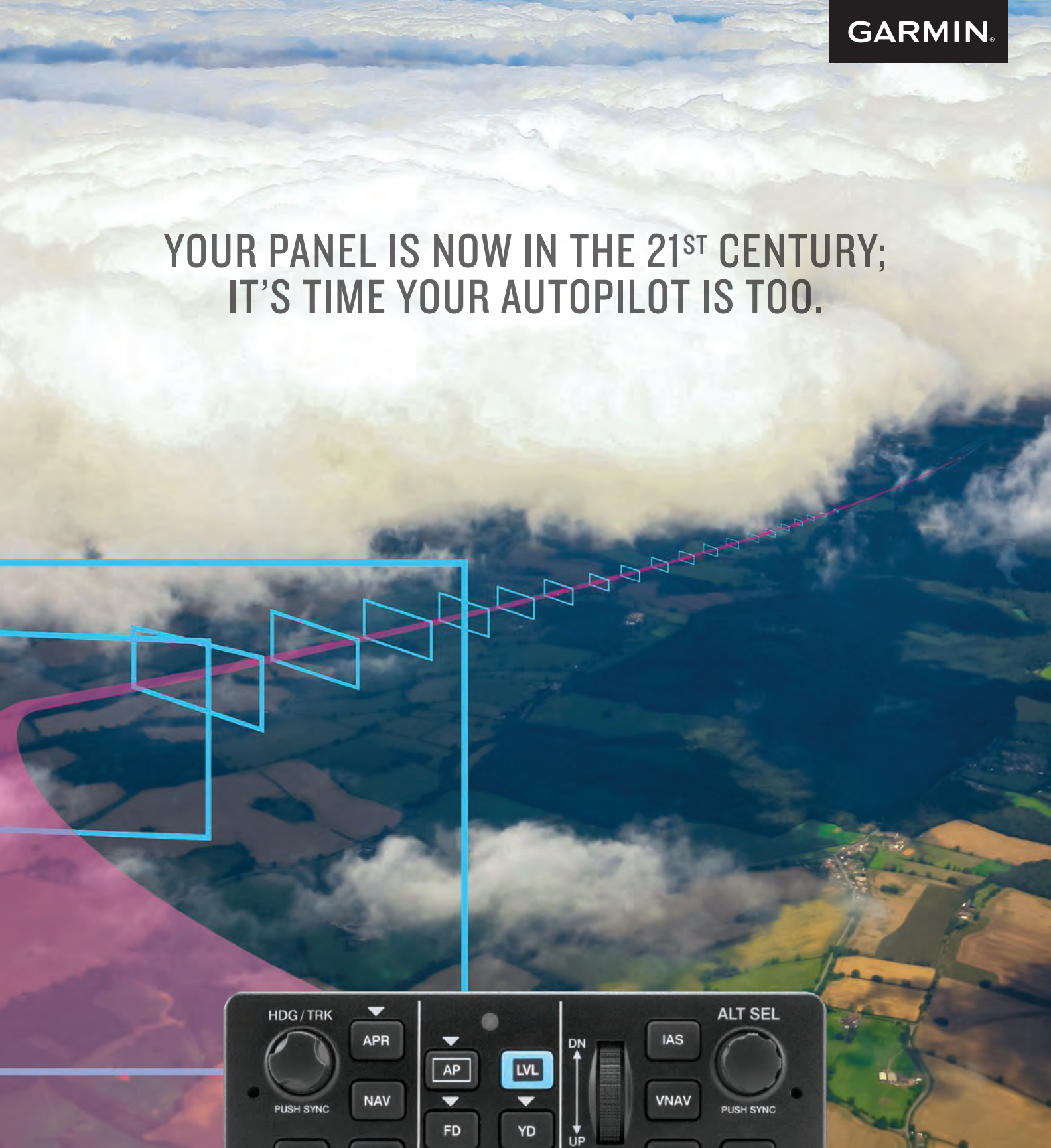
GET THE BIG PICTURE ONE STEP AT A TIME.

When it's time to consider new glass consider Aspen Avionics' Evolution Display System. Protect your investment with the system that grows with you and your budget whether you start with a single display, a partial or full suite of our latest generation Evolution MAX displays. Isn't it time to protect your investment for one of your most precious possessions? Your airplane.

Save space, save weight and improve your flying experience with:

- Standard synthetic vision
- Reduced weight and cockpit clutter
- Increased reliability
- Backup and vacuum system removal**

- New digital autopilot interfaces
- Vibrant aviation glass with faster speeds and refresh rates with the latest generation processors
- And so much more…

Always affordable. Always upgradeable. Always Aspen Avionics.
Learn more at aspenavionics.com/products/general-aviation

ASPEN AVIONICS™

Pacific Coast Avionics is located near the Aurora State Airport in Aurora, OR. Stop by our retail showroom to shop products or talk to our knowledgable sales staff about your avionics and pilot supplies needs.
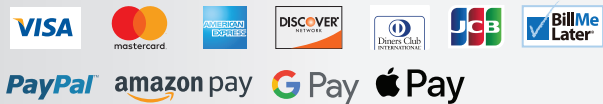
From our beginning in 1991 our goal is to serve our customers avionics needs better than anyone. We can help you with any of your avionics, GPS, instrument, headset, avionics installation supplies, or pilot supply needs. From experimental/ LSA aircraft to corporate jets, we have one of the leading installation facilities on the west coast. Our e-commerce website and our annual product catalog are favorites among aviators around the world and we offer worldwide shipping at unbeatable prices. In fact we guarantee them to be the lowest in the industry! With a comprehensive inventory developed to meet almost any avionics, instrument, or pilot supply need, you're sure to find what you want at a price you can afford.

"At Pacific Coast Avionics, our promise is to provide the best products and customer service, at the lowest price in the industry. We appreciate the opportunity to earn your business."

Dewey Conroy, Vice President

HOW TO ORDER

ONLINE
www.PCA.aero   ebay   Google

BY PHONE
1-800-353-0370 Order Toll Free North America
1-503-678-6242 International

IN SHOWROOM
22783 Airport Rd.
Aurora State Airport
Aurora, OR 97002

PHONE | SHOWROOM HOURS
8:30 a.m. - 5:00 p.m. EST, MON - FRI

PAYMENT OPTIONS

VISA   mastercard   AMERICAN EXPRESS   DISCOVER NETWORK   Diners Club INTERNATIONAL   JCB   BillMe Later

PayPal   amazon pay   G Pay   Pay

WE SHIP WORLDWIDE

Connect with us on social media for special deals, industry new and conversation with the pilot community.

PCA Hangar - Aurora State Airport.

AVIONICS INSTALLATIONS

Our recognition as an avionics installation center is always growing. We can accommodate a wide variety of aircraft in our 9000 square foot hangar. Anything from Kit Aircraft, Warbirds, Corporate Jets, Helicopters, and Business Jets. From a single radio to a full panel, we'll meet your installation requirements. We are an FAA Repair Station OPXR455L-Class 1,2,3 & Limited Airframe and Instrument. **Call for a quote today.**
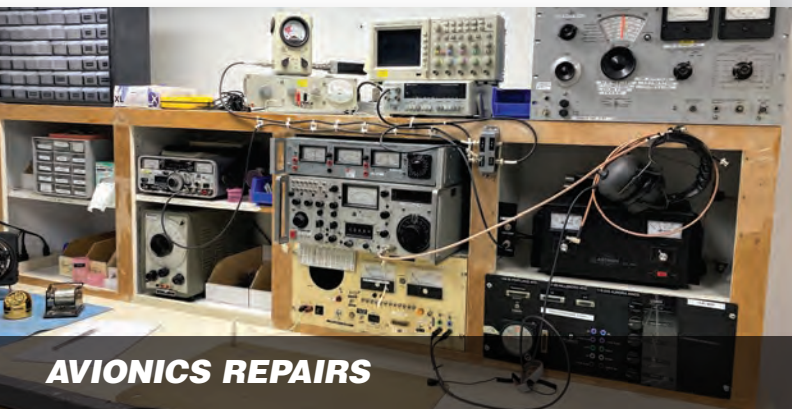
AVIONICS REPAIRS

We can handle all your avionics repair requirements. With a highly skilled staff of factory trained technicians and a large parts inventory, you're assured a quick, professional turnaround. We provide special 24–48 hour AOG service for an additional fee. All repair work is covered by a six month warranty. We are an FAA Repair Station OPXR455L-Class 1,2,3 & Limited Airframe and Instrument.

PILOT SUPPLIES

Our goal is to provide you with all the pilot supplies you need. Our catalog and website have an extensive selection of products based on our flying experiences and our customers' needs. If you are looking for something and don't find it in our catalog or on our website, please call.

TABLE OF CONTENTS

COVER PHOTO: CURTIS NOBLE PHOTOGRAPHY

Reno 2014 Gold Grand Champion Jet winner Phil Fogg of Wilsonville, Oregon in his L-39 "Robin ll

ELECTRONIC FLIGHT DISPLAYS

Electronic Flight Displays (EFIS) are becoming more and more prevalent as primary flight displays in addition to multi-function displays in all classes of aircraft. We offer a variety of options from small single function systems, to large displays with multiple functions and capabilities.

G500 TXI / G600 TXI TOUCHSCREEN EFIS

G500 TXi and G600 TXi glass touchscreens are available in several sizes and function capabilities. TXi integrates with the GNS and GTN series of GPS/Nav/Coms to provide a fully certified glass panel solution. Reliable attitude/heading reference system (AHRS) replaces the old-style, maintenance-prone mechanical gyros in your aircraft.

TXi displays are available 10.6" or 7" landscape displays, or in 7" portrait display, and offer a variety of configurations to fit your panel and budget. The 10.6" and 7" displays have PFD information and a multifunction display (MFD) within the same unit. Optional engine, fuel and electrical readouts can also be viewed in a vertical strip alongside the PFD/MFD information on the 10.6" display. The 7" display can be configured as a PFD or engine display.

The TXi series features an intuitive menu interface that lets you use familiar knobs and/or touchscreen inputs to quickly access the functions-screen views and other flight information you want to see. Powerful dual-core processors boost the system's graphical display capabilities with faster zooming, panning and map rendering. To provide even more situational awareness, the TXi series includes HSI mapping capabilities that put an MFD-like perspective map view within the HSI portion of your PFD. In addition to the geographical map, the HSI map view can also support the overlay of NEXRAD imagery and Weather inputs from ADS-B and SiriusXM datalinks. Additional overlays include SafeTaxi airport diagrams, traffic, terrain and more. HSI map control and onscreen navigation are a snap, thanks to a Garmin innovation that lets you zoom in or out on the map, using a simple and natural single-finger swipe gesture. For extra piece of mind in systems where multiple displays are installed,

G500 TXi is designed to enter a reversionary mode — allowing a single 7" portrait or 10.6" display to present primary flight instrumentation and engine indications (if EIS equipped) — in the unlikely event of another display failing or shutting down.

STAND ALONE OR INTEGRATED ENGINE INFORMATION

Whether it's integrated in a split-screen view on the 10.6" display or shown on a dedicated 7" display, engine and fuel monitoring data is easy to access and interpret with the TXi series. The optional engine information system is compatible with most popular Lycoming or Continental 4- to 6-cylinder engines (whether normally aspirated or turbocharged) and can support both single and twin engine aircraft. Prominent engine gauges on the display provide real-time indications and support for lean assist mode, pilot advisories and more enabling you to optimize fuel economy while maintaining high efficiency and performance from your engine(s). Better still, EIS data is automatically logged to an SD card and, with Connext, and wirelessly downloaded to the Garmin Pilot app running on your compatible mobile device. This data can then be exported and analyzed by your service team.

G500 TXi is designed specifically for FAR Part 23 Class 1/Class 2 aircraft (singles and twins weighing less than 6,000 lbs), while the G600 TXi meets the software levels required for FAR Part 23 Class 3 aircraft (typically piston or turbine aircraft weighing between 6,000 lbs and 12,500 lbs).

P/N			P/N		
P/N G500 TXi	GDU 700P 7" EFIS w/Integrated AHRS	**$11,495**	P/N 010-01329-01	GEA 110 Engine Interface Unit	**$3075**
P/N G500 TXi	GDU 700L 7" EFIS w/Integrated AHRS	**$11,495**	P/N K00-01301-10	4-Cylinder Engine Probe Kit	**$1475**
P/N G500 TXi	GDU 1060 10.6" EFIS w/Integrated AHRS	**$15,275**	P/N K00-01304-10	6-Cylinder Engine Probe Kit	**$1795**
P/N G600 TXi	GDU 700P 7" EFIS w/Integrated AHRS	**$18,450**	P/N 010-013716-46	G500 TXi Synthetic Vision Enablement	**$1849**
P/N G600 TXi	GDU 1060 10.6" EFIS w/Integrated AHRS	**$24,095**	P/N 010-013716-46	G500/G600TXi ChartView Enablement	**$1849**

Installed prices vary per aircraft, and several options and configurations are available—Please call for more details

G3X CERTIFIED TOUCHSCREEN EFIS

The certified G3X is a game changer that owners and pilots of single-engine piston aircraft have been waiting for. These 10.6" and 7" LCD displays make it easy and affordable to upgrade from legacy mechanical instrumentation to a modern glass cockpit solution. With the capability to combine full primary flight display (PFD) attitude/directional guidance with detailed moving-map multifunction display (MFD), each G3X Touch glass display features a bright, high-resolution screens that seamlessly blends with familiar buttons and knobs to put all essential flight information at your fingertips. Standard features include synthetic vision display with database-generated terrain features and built-in wireless Connext cockpit connectivity. Better still, the optional EIS provides display of primary engine instrumentation.

G3X Touch flight displays also incorporate dynamic moving map capability, enabling you to view terrain features, airports, airspace boundaries, navaids, flight plan routings and more — with an aircraft reference symbol overlaid on your current position. G3X Touch also has the ability to display VFR sectionals and IFR en route charts. FliteCharts database or optional ChartView charts from Jeppesen also offer you georeferenced approach plates and procedures. Fully coupled LPV/LNAV/ILS approach capability are available when the G3X Touch displays are paired with the GFC 500 autopilot and a compatible navigation source, such as the GTN or GNS Navigators. G3X Touch can also display ADS-B "In" weather and traffic information when connected with the new GNX 375, GTX 345 transponder or the GDL 50R or GDL 52R receiver.

For space-limited panels, a single 7" display can accommodate either PFD and MFD functionality or MFD and EIS windows within the same unit. The 10.6" display can be setup for either PFD, MFD or PFD/MFD functionality and also include an EIS strip for additional versatility. With the addition of the optional GEA 24 engine interface module and appropriate engine sensors, your G3X Touch can display primary engine indications — allowing for the removal of outdated analog gauges. The system can accommodate various engine, fuel and electrical gauges with easy-to-interpret color bands, supporting most popular Lycoming or Continental 4- to 6-cylinder engines.

P/N GDU 470	7" Dispay EFIS System	$5095	P/N GTR 20	Remote Com Transceiver	$1850
P/N GDU 460	10.6" Display EFIS System	$6895	P/N GMA 245R	Remote Audio Panel	$2035
P/N GEA 24/4	Engine Interface Unit-4 Cyl	$2995	P/N GDL 50R	Remote ADS-B Receiver	$899
P/N GEA 24/6	Engine Interface Unit-6 Cyl	$3275	P/N GDL 52R	Remote ADS-B/SXM Receiver	$1275

GI 275 EFIS INDICATORS

The GI 275 is a powerful electronic flight instrument that directly replaces legacy primary flight instruments in the cockpit, including an attitude indicator, attitude directional indicator (ADI), course deviation indicator (CDI), horizontal situation indicator (HSI), multi-function display (MFD) and engine indication system (EIS). GI 275 can installed as a primary 4-in-1 flight instrument with attitude, airspeed, altitude and heading information, or as a back-up flight instrument for a number of glass flight displays and is available with a 60-minute back-up battery. Lightweight and compact, the GI 275 fits a standard 3 1/8" instrument hole.

The GI 275 Base variant can be utilized as a dedicated EIS or CDI/MFD with features such as traffic, weather, terrain, SafeTaxi airport diagrams, and more. The GI 275 ADAHRS variant includes built-in ADAHRS and backup battery, making it a capable attitude, airspeed, and altimeter as a stand-alone or back-up instrument. Optional synthetic vision (SVT) provides 3D topographical view of terrain, obstacles, traffic, flightpath marker, and more within the attitude display.

When connected with an optional magnetometer, GI 275 can serve as a dedicated HSI or 4-in-1 flight instrument with attitude, airspeed, altitude and heading information. The GI 275 ADAHRS+AP variant is also available, which carries the capabilities of the ADAHRS variant and adds the ability to replace the KI-256 in many King autopilot installations.

P/N 010-02325-00	GI 275 CDI/MFD	**$3295**	
P/N 010-02326-10	GI 275 PFD/ADAHRS	**$3795**	
P/N 010-02326-20	GI 275/AP PFD-AP (KI-256 Repl.)	**$4675**	
P/N 010-02327-10	GI 275 HSI w/GMU-11	**$4150**	
P/N 010-02669-00	Dual GI 275 Pkg-PFD & HSI	**$7939**	
P/N 010-02668-00	Dual GI 275 Pkg-PFD & HSI/AP	**$8819**	

P/N 010-02325-10	GI 275 EIS w/GEA-24	**$3895**
P/N K00-01301-10	4 Cyl Sensor Kit/MAP/Fuel Pump	**$1245**
P/N K00-01302-10	4 Cyl Sensor Kit/MAP/Grav Feed	**$1545**
P/N K00-01303-10	6 Cyl Sensor Kit/MAP/Fuel Pump	**$1755**
P/N K00-01303-10	6 Cyl Sensor Kit/MAP/Grav Feed	**$1795**
P/N 006-D7986-00	GI 275/PFD Synthetic Vision	**$875**

G5 ELECTRONIC FLIGHT INSTRUMENTS

Boasting a bright, 3.5" sunlight readable LCD display, the G5 EFIS is a certified primary flight display replacement for most aircraft. Valid for flight under VFR and IFR conditions, G5 is an economical upgrade path for anyone seeking an electrically driven attitude indicator with greater dependability and internal redundancy over vacuum-driven attitude flight instruments.

G5 fits a standard 3-1/8 inch instrument hole, and is only 3 inches in depth so it easily integrates into a wide range of aircraft. Installation is simple and easy as G5 integrates with the aircraft's existing pitot/static system. and displays attitude, airspeed, altitude, vertical speed, slip/skid, turn rate, groundtrack, configurable V-speed references, barometric setting and selected altitude, as well as visual alerts upon arriving at the pre-selected altitude. The built-in GPS provides GPS-based track and groundspeed information, and a dedicated rotary knob allows for easy adjustments to altitude bugs and barometric pressure settings. G5 also includes a 4-hour back-up battery and you can easily see battery status in the upper left hand corner of the display. WAAS GPS input is required for the G5 and can be direct from a GA 35 Antenna or from a GNS or GTN navigator. G5 PFD is also approved as the back-up flight instrument for G500 TXi installations.

The G5 HSI is the perfect companion to the G5 EFIS. Now you can completely remove the vacuum attitude gyro, directional gyro, and the rest of the vacuum system from the aircraft, and replace with an all EFIS attitude and directional system with full battery back-up. In addition to providing directional gyro information, the G5 HSI also integrates with a NAV radio and/or GPS to provide OBS course guidance (GMU 11 Magnetometer required). The display also provides distance to waypoint, groundspeed, ground track, GPS CDI scale, and a rotating compass card with heading bug. When installed with G5 EFIS, the G5 HSI can be manually reverted to an attitude indicator, providing redundancy should the G5 EFIS become unavailable.

The optional GAD 13 Air Data Unit provides display of True Airspeed , Density Altitude, Wind Direction/Speed and OAT on a dual G5 installation, providing even more important information to the pilot.

P/N K10-00280-01	G5 Primary Flight Display	**$2625**
P/N K10-00280-21	G5 HSI (For SL-30/GNC-255A Nav/Coms)	**$3210**
P/N K10-00280-31	G5 HSI (For GNS/GTN Units and autopilots)	**$3615**

Options:

P/N 010-02203-00	GAD 13 Air Data Unit	**$199**
P/N 013-00235-00	GA 35 WAAS GPS Antenna	**$310**
P/N C307PS	OAT Probe	**$150**

GTN XI SERIES NAVIGATORS

All In One GPS/Nav/Coms are more and more becoming the standard for VFR and IFR flying. We can help you make the best choice for value and performance for your airplane and your typical mission.

The GTN series of Garmin navigators are fully integrated GPS/COM solutions with centralized, touch-controlled screen providing easy access to navigation, radio tuning, multifunction display features including weather and traffic and more. GTN Navigators offer complete IFR GPS/NAV/COMM/MFD capability in a high-resolution display with terrain mapping, graphical flight planning, georeferenced charting, traffic target surveillance, multiple weather options, taxiway diagrams and a host of other advanced navigation features at your fingertips. GTN Navigators also integrate with other Garmin avionics to add exclusive industry-leading technologies Connext wireless cockpit connectivity to support data streaming between your avionics and the Garmin Pilot™, ForeFlight and apps running on your iPad® tablet or other compatible mobile device.

Quickly pan across the map screen simply by swiping your finger across the high-resolution TFT display, or "pinch-zoom" to increase or decrease map range. Graphical flight planning capabilities allow you to preview your entire route on the map screen and easily enter new waypoints or modify existing ones, and even create and execute custom holding patterns over a waypoint, as well as load Victor and jet airways. Built-in Garmin U.S. FliteCharts™ or optional Jeppesen®-style geo-referenced ChartView™, provide you with approach plates and procedures, while Garmin SafeTaxi® lets you see geo-referenced runways, taxiways, FBOs and hangars. The GTN series feature an SBAS/WAAS-certified, 15-channel GPS receiver, enabling GPS-guided LPV instrument approaches down to as low as 200 ft, a 200-channel VOR/ILS with localizer and glideslope (GTN-650Xi and TN-750Xi), plus a fully certified COM transceiver 25 KHz or 8.33 KHz channel spacing that is available in standard 10 W or optional 16 W power output. GTN Navigators are also available with a number of optional enhancements such as low altitude obstacles and power lines, to help meet the unique demands of helicopter missions.

P/N GTN 750Xi	GPS/NAV/COM	$16,500
P/N GTN 750HXi	GPS/NAV/COM-Helicopter	$11,900
P/N GTN 725Xi	GPS Only	$18,195
P/N GTN 650Xi	GPS/NAV/COM	$12,895
P/N GTN 650HXi	GPS/NAV/COM-Helicopter	$15,500
P/N GTN 635Xi	GPS/COM	$11,095
P/N GTN 635HXi	GPS/COM-Helicopter	$12,295

OPTIONS:

P/N 010-00878-40	Chartview Enablement	$1850
P/N 010-00878-04	GTN-Xi 16 Watt Com Enablement	$4625
P/N NVG Enablement	GTN-750HXi/650HXi Only	$2290
P/N 010-00878-01	TAWS-B Enablement	$7350
P/N 010-00878-42	3rd Party Radar Enablement	$3695
P/N 010-12675-00	GTN/TXi PC Trainer on USB	$47

GPS 175/GNC 355/GNX 375 IFR GPS

GPS 175 **GNC 355** **GNX 375**

These three IFR GPS variants feature an SBAS/WAAS-certified GPS receiver that allows you to fly GPS-guided LPV glidepath instrument approaches down to as low as 200', greatly expanding your operational capability. Precise course deviation and roll steering outputs can be coupled to our GFC™ 500 and GFC 600 autopilots as well as select third-party autopilots so that IFR flight procedures such as holds, NextGen radius-to-fix (RF) legs and missed approaches may be flown automatically. In addition, these GPS navigators lets you create and execute custom holding patterns over an existing waypoint or user-defined waypoint. At just 2" tall, it replaces most legacy GPS's and features a 4.8" diagonal touchscreen color display which puts the most important functions within only a few touches. Navigate to dedicated pages for the moving map, terrain, nearest airports, flight plan, procedures, waypoint information, utilities and more. With shortcuts available to the flight plan and Direct-to functions on almost every page, navigation features are usually just a tap away. Use your finger to pan and zoom on any map, traffic and terrain page, or enter waypoint data with the on-screen keyboard.

With its built-in 1090 ES transponder, GNX 375 allows you to meet ADS-B "Out" requirements with a single installation, while its dual-link ADS-B "In" receiver provides a complete picture of ADS-B traffic targets as well as subscription-free weather in the U.S. For example, the ADS-B weather link allows you to access animated NEXRAD imagery, METARs, TAFs, winds and temperatures aloft, PIREPs, NOTAMs and more. And for even more work-saving convenience, you can use the built-in Connext technology to stream information between GNX 375 and compatible Garmin portables and mobile devices running the Garmin Pilot or FltPlan Go apps.

GNC 355 offers 10 watts of transmission power with 25 kHz frequency channel spacing or 8.33 kHz channel spacing options (GNC 355A), and it incorporates a number of functions that can save you time and effort. Using the onboard frequency database, airport, weather, center and FSS frequencies are easy to find and can be loaded to standby by simply tapping them from the airport information or flight pages. Recent, nearby and saved frequencies are easy to access, too. And to help you make sure you are talking to the right controller, GNC 355 automatically displays the station's identifier right below the frequency.

P/N 010-01822-50	GPS 175 IFR GPS w/GA35 Antenna	$4995
P/N 010-01823-01	GNX 375 IFR GPS/ADS-B Transponder	$8095
P/N 010-02232-50	GNC 355 IFR GPS/Com	$6995
P/N 010-02232-60	GNC 355A IFR GPS/Com (8.33 MHz Spacing)	$7995

AVIONICS COAST-TO-COAST
ORDER ONLINE
FAST • EASY • SECURE

GNC 255A NAV/COM & GTR SERIES COMS

The GTR 225 Com and GNC 255A Nav/Com offer a variety of features never seen before in a stand-alone com radio. A unique internal database makes it easy to find all frequencies at any given airport or VOR just by looking up the location name or identifier, or easily find the nearest airport, ARTCC, FSS, and VOR. The Com's database technology allows you to store and recall up to 20 of the most commonly used or recently used frequencies by an assigned name. With a compatible GPS input, the GNC 255A will find the nearest airport to your location and easily access its weather, center and FSS frequencies. You'll have the confidence to know you're talking to the right controller every time. The Nav/Comm's database technology also allows you to quickly pull up your most frequently or most recently used frequencies. All three units feature large "flip-flop" active/standby displays, standby frequency monitor, internal 2-place voice activated intercom, and elapsed timer. The GTR 225 and GNC 255A are available with either 10W or 16W transmitter. All GNC 255 models include internal glide slope receiver to work well with Garmin EFIS flight displays and Nav Indicators, and all models will integrate with most autopilots.

The Garmin GTR 200 is available for Experimental and Certified aircraft. It has advanced auto squelch automatically senses the noise level in the cockpit and adjusts the mic squelch for effortless intercom use regardless of the cockpit noise level. The GTR 200B features Bluetooth connectivity which gives you the ability to make phone calls and listen to audio entertainment wirelessly.

GNC 255A

GTR 225

GTR 200

P/N 010-02486-50	GNC 255A	Nav/Com w/GlideSlope	$4595
P/N 010-02487-50	GNC 255B	16W Nav/Com w/GlideSlope	$5295
P/N 010-02483-50	GTR 225	Com Transceiver	$2195
P/N 010-02484-50	GTR 225A	Com Transceiver w/8.33KHz	$2895
P/N 010-02485-50	GTR 225B	16W Com Transceiver w/8.33KHz	$4050
P/N 010-01087-11	GTR 200	Non-TSO'd Com Transceiver	$1339
P/N 010-01087-21	GTR 200B	Non-TSO'd Com Transceiver w/BT	$1549
P/N 010-01087-41	GTR 200B	PMA'd Com Transceiver w/BT	$2025

GMA 342

GMA 345

GMA 350C

GMA AUDIO PANELS

The Garmin family of full-features audio control panels offer the latest in digital audio technology to improve communications between flight crews, passengers, and ground controllers. All of the GMA series feature convenient LED buttons controls for audio selections, as well as split COM capabilities for pilot and co-pilot. The internal 6-place stereo intercom features auto-squelch, multiple entertainment inputs, and inputs for telephone, altitude alerts, and other warning tones.

At the heart of Garmin audio panels is advanced sound processing and distribution features, offering superior inflight audio experience. They can support dual comm, dual nav, 3 aux receivers and 2 wired stereo music inputs. Exclusive 3D Audio technology spatially separates the multiple sources entering your headset, and the advanced auto squelch automatically adapts to cockpit noise levels without clipping words or cutting out in the middle of phrases.

The GMA 342 and GMA 345 include a digital clearance recorder that captures the last 60 seconds of incoming COM audio for instant playback with a single button press. For connectivity, the GMA 342 has a 3.5mm audio jack on the faceplate allowing smartphones, tablets or music players to be plugged in and routed through the headsets, while the GMA 345 has USB input and features Bluetooth interface to easily make or receive phone calls or stream audio entertainment. GMA 342 and GMA 345 are direct slide-in replacements for the GMA 340 audio panel.

The GMA 350 features Bluetooth connectivity, plus Telligence Voice Command which helps decrease pilot workload. Operate your audio panel without taking your hands off the controls. To switch between COMMs, just press a button and say "MIC 1" or "Tune destination tower" The GMA 35c is a remote mount version of the GMA 350c and interfaces with the GTN 750Xi navigator for touchscreen control.

P/N 010-01319-11	GMA 342 Audio Panel	$1795
P/N 010-01319-01	GMA 345 Audio Panel	$1995
P/N 010-01319-20	GMA 345/3-Com Audio Panel	$2125
P/N 010-00871-21	GMA 350 Audio Panel	$2115

P/N 010-00871-41	GMA 350c Audio Panel	$2395
P/N 010-00871-41	GMA 35 Remote Audio Panel	$2550
P/N 010-00831-41	GMA 35c Remote Audio Panel	$2830
P/N 010-00871-31	GMA 350H Audio Panel	$2495

GTX 335/GTX 345 ADS-B TRANSPONDER

The GTX 335 and GTX 345 are a one-box ADS-B solution. These transponders, which include Extended Squitter (ES) ADS-B "Out" -which is certified for use above 18,000 feet- and have an optional built-in WAAS position source, and with the GTX-345, dual-link ADS-B "In." With the most compatibility options in the industry, the GTX-345 displays on a wide variety of current and legacy Garmin displays, including select G1000® integrated flight decks. Remote mount options are also available for control and display in G1000 and GTN 650/750 equipped aircraft.

The GTX 335 and GTX 345 incorporate the popular 1.65-inch tall panel mount transponder form factor and boast a bright, sunlight-readable digital display, including a pressure altitude readout and flight timers, along with dedicated buttons for numeric squawk code entry. An option for an integrated WAAS/GPS position source provides aircraft owners with an all-in-one solution that meets worldwide ADS-B "Out" requirements The GTX 345 includes a dual-link ADS-B receiver that delivers pilots a complete ADS-B provided traffic picture. When paired with compatible displays, the GTX 345 adds subscription-free Flight Information Service-Broadcast (FIS-B) weather and traffic, including exclusive features such as TargetTrend and Terminal Traffic. The GTX 345 also connects to iPad and Android devices to display the subscription free ADS-B weather and traffic, GPS position data, and back-up attitude information with synthetic vision using popular apps such as Garmin Pilot and ForeFlight Mobile via Connext® wireless technology. Beyond the display, the GTX 345 may be integrated into the aircraft's audio panel to provide ATC-like audible alerts, such as "Traffic: 10 o'clock, same altitude, 2 miles," to help pilots keep their eyes outside the cockpit when looking for traffic. Additionally, an optional altitude encoder is available and conveniently mounts to the transponder backplate for easy installation and service, precluding the need for a static leak check after removal of the transponder for maintenance.

GARMIN.

P/N K10-00276-05	GTX 335 W/GPS & GAE 12 Encoder	$3595*
P/N 010-01214-01	GTX 335 ADS-B Out Transponder	$3090
P/N 010-01215-01	GTX 335R Remote Transponder	$3090
P/N 010-01215-41	GTX 335R Remote Transponder w/GPS	$3795
P/N 010-01216-06	GTX 345 Transponder	$5195
P/N 010-01216-46	GTX 345 Transponder w/GPS	$5895
P/N 010-01775-01	GTX 345D w/Diversity	$7875
P/N 010-01217-06	GTX 345R Remote Transponder	$5195
P/N 010-01217-46	GTX 345R Remote Transponder w/GPS	$5895
P/N 011-03080-00	GAE 12 Altitude Encoder	$289

*PRICE INCLUDES GA-35 GPS ANTENNA

GDL-82/GDL-88 ADS-B SYSTEMS

For aircraft owners, including helicopters, seeking an easy, cost-efficient way to meet the requirements for ADS-B 978MHz UAT "Out" equipage, the remote mount GDL-82 and GDL-88 offer the ideal solution for aircraft operating below 18,000 feet.

The GDL-82 has a built-in WAAS GPS receiver, includes the GPS antenna, and easily Connects to almost any Mode C transponder- making It a true "one-box" ADS-B out solution. The GDL-88 is an "Out/In" ADS-B system that interfaces with GNS and GTN Navigators and G-500 EFIS for weather/traffic display. GDL-88 is also available with Internal GPS for aircraft not already equipped.

P/N 010-01560-31	GDL-82 ADS-B System w/GA-35 WAAS Antenna	$1995
P/N 010-00859-30	GDL-88 ADS-B System	$3795
P/N 010-00860-30	GDL-88 w/Built-In WAAS	$4875

NEED AN INSTALL QUOTE?

CALL US: MON - FRI 8:30 A.M. - 5:30 P.M. EST

FLIGHTSTREAM BLUETOOTH WIRELESS GATEWAY

Part of the Connext® family of flight connectivity solutions, the Flight Stream 110/210 is a small wireless gateway that is easily installed in your aircraft, enabling a combination of up to 2 compatible tablets or phones to stream information to and from your avionics system via Bluetooth®. Flight Stream 110 offers GPS, weather and traffic streaming from the GDL-88 ADS-B and GDL-69 , while the Flight Stream 210 adds the capability for flight plan syncing with GTN and GNS series of Navigators, plus the ability to display attitude information using a built-in AHRS.

P/N 010-01194-01	Flight Stream 110	$659
P/N 010-01194-41	Flight Stream 210	$1075
P/N 010-01322-01	Flight Stream 510	$1395

Flight Stream 510 is a cost effective and non-intrusive patented memory card that contains Wi-Fi and Bluetooth® connectivity. When installed in the slot of a GTN series navigator, GPS-175, GNC-355, and GNX-375. Flight Stream can be connected with up to 2 compatible Apple or Android™ mobile devices operating Garmin Pilot as well as Garmin aera® 660, aera 795 and aera 796 portables.

AUTOPILOT SYSTEMS

Autopilots can make your flying much easier and safer. Whether you are looking for a basic wing leveler or an advanced fully coupled autopilot, we have a variety of new digital systems or legacy analog systems to choose from. Let us help you choose the system that best fits you and your aircraft.

GFC 500 AUTOPILOT SYSTEM

GARMIN.

The revolutionary GFC 500 autopilot brings unprecedented levels of capability, reliability and affordability to single and light twin-engine aircraft. Rather than depending on failure-prone mechanical gyros, the GFC 500 system is digitally controlled, using solid-state attitude and air data sensor reference — giving you ultra-smooth round-outs, intercepts and more while also enhancing the reliability. Incorporating the crisp, easy-to-read 3.5" G5 electronic flight instrument[1], a mode controller and "smart" servos, the autopilot's architecture supports full pitch-and-roll axis control with GSA 28 "smart" digital servos that support full pitch-and-roll axis control capabilities as well as optional pitch trim, manual electric trim, and yaw damper.

When interfaced the GNS and GTN series navigators, GFC 500 can fly a wide range of precision or non-precision GPS-guided approaches as well as holds, procedure turns, and missed approaches, plus built-in GPS roll steering allows smoother navigation tracking. Flight director cues are displayed as command bars on the G5 electronic flight instrument. GFC 500 also features Enhanced Stability Protection or ESP. When the aircraft is being hand-flown, this ESP feature functions independently of the autopilot although it uses the same control servos — to nudge the controls toward stable flight whenever pitch or roll deviations exceed the recommended limits. If you're descending and your aircraft is approaching VNE or VMO — the system will increase the aircraft's pitch attitude, preventing a further increase in airspeed and potential structural damage. Likewise, GFC 500 provides underspeed (stall) protection. For example, in the event the pilot does not immediately advance the throttle to full power, with the autopilot engaged while flying a missed approach sequence, the autopilot will help prevent an aircraft stall by reducing pitch attitude and provide the pilot with an "airspeed, airspeed" audible alert.

The GMC 507 mode controller lets you select advanced lateral and vertical modes such as pitch hold, altitude preselect, altitude hold, vertical speed and indicated airspeed hold as well as roll, track and selected heading. For added safety, a dedicated LVL button on the controller lets you command the autopilot to automatically return your aircraft to straight-and-level flight — helping to avert a potential loss-of-control situation.

P/N GFC 500	2-Servo Autopilot System	$7925
P/N GFC 500	3-Servo Autopilot System w/Pitch Trim	$10,475
P/N K11-00024-XX	Yaw Damper Option w/GSA-28 Servo	$850
P/N K10-00280-01*	G5 Primary Flight Display (Required)	$2625
P/N 010-02326-10	GI-275 Primary Flight Display	$3795
P/N 011-05930-00	SmartGlide Switch	$120

GFC 500 pricing varies depending on aircraft type. Please call for quote for your aircraft.

GFC 600 AUTOPILOT SYSTEM

GARMIN.

Designed for aftermarket installation on high-performance single- and twin-engine piston aircraft as well as turboprops and jets, the GFC 600 flight control system offers an impressive array of top-level safety and performance features. GFC 600 provides crisp, precise response and optimum performance over the entire airspeed envelope of your aircraft. GFC 600 system is digitally controlled, using solid-state attitude and air data sensor reference giving you ultra-smooth intercepts and more, while also enhancing system reliability.

For selection and control of GFC 600 modes and functions, a compact autopilot controller comes standard with the system. Featuring backlit keys and a bright, sunlight-readable annunciator display, the mark-width controller mounts conveniently in your avionics stack. An intuitive up/down control wheel on the unit allows for easy and precise adjustment of aircraft pitch, airspeed and vertical speed modes. As with the GFC 500, a dedicated LVL mode button on the autopilot controller lets you command the autopilot to automatically return your aircraft to straight-and-level flight, and GFC 600 also includes the Enhanced Stability Protection (ESP).

Digitally controlled GSA 87 servos control speed and torque limits on control inputs allowing faster, crisper and more powerful response — enabling your GFC 600 system to track the intended flight path with smooth efficiency. The advanced servo design results in enhanced system efficiency, while also reducing maintenance/inspection requirements. The servos also provide virtually no control system friction with the autopilot turned off, decoupling the motor drives so you can hand-fly with ease.

P/N GFC 600	3-Servo Autopilot System w/Pitch Trim	$20,795
P/N GFC 600	4-Servo Autopilot System w/Yaw Damper	$23,995
P/N 010-01598-03	GI 285 Remote Annunciator	$1939
P/N 011-05930-00	SmartGlide Switch	$125

GFC 600 Pricing varies based on aircraft model - Please call for quote for your aircraft.

GARMIN GSB 15

The dual USB port GSB 15 can deliver 3A of power to two iPad or similar smart devices-while also charging their batteries. GSB 15 is available with dual Type A, Dual Type C, or both types on one and have built-in circuit protection. Configurable halo lighting make them easy to locate in the dark, and they measure just 1.5" square and less than 1" deep making for easy installation.

P/N 010-02201-10	GSB 15 Dual Type A USB-Rear Connector	**$289**
P/N 010-02201-11	GSB 15 Dual Type A USB-Side Connector	**$289**
P/N 010-02544-21	GSB 15 Dual Type A/C USB-Rear Connector	**$375**
P/N 010-02544-31	GSB 15 Dual Type A/C USB-Side Connector	**$375**
P/N 010-02544-41	GSB 15 Dual Type C USB-Rear Connector	**$375**

GARMIN.

GTS TRAFFIC ADVISORY SYSTEMS

Garmin provides a series of active traffic detection systems that can incorporate ADS-B technology as well. The GTS series provide a 360 degree view of traffic around the aircraft, tracking up to 75 targets while displaying up to 30 targets on GNS and GTN navigators, as well as G500/600 EFIS systems. The GTS 800 has a 12nm range, GTS 825 has 40nm range, while GTS 855 is a full TCAS-1 system.

P/N GTS 800	TAS Traffic System	**$10,250**
P/N GTS 825	TAS Traffic System	**$18,950**
P/N GTS 855	TCAS-1 Traffic System	**$23,550**

GRA 55 RADAR ALTIMETER

With it's all digital design, the GRA 55 represents the latest and most accurate radar altimeter system available, and it can serve as an integral part of a Class A TAWS, TCAS II, or CAT II ILS solution. The GRA 55 is designed to work in a multitude of environments, allowing you to go from rough terrain to tree canopies, sand to choppy water and know exactly how much room you have to maneuver. Gain added peace of mind knowing that the radar altimeter is operating normally thanks to advanced, comprehensive self-testing technology that continuously monitors incoming data and system integrity to help assure that the altitude provided is accurate, even in low-visibility conditions.

P/N GRA 55/GI 250	Radar Altimeter w/Digital Indicator	**$12,995**
P/N GRA 55	Radar Altimeter Unit Only (For EFIS interface)	**$9530**
P/N GRA 5500	Radar Altimeter (Part 25 version)	**$14,895**

GDL 69/69A SXM RECEIVER

This remote datalink receiver helps you make informed, safe decisions based on the weather. With a subscription to SiriusXM Satellite Weather, GDL 69/69A brings continuous, detailed weather information to the GNS and GTN series navigators, as well as G500/600 and GMX 200 MFD's. SiriusXM's two powerful S-band geostationary satellites, positioned over the east and west coasts, deliver seamless coverage at any altitude across the continental U.S. The weather suite's high resolution color graphics provide detailed NEXRAD and METAR data, as well as current reports on precipitation, lightning, winds-aloft, echo tops, TFRs and more. You can get S/XM entertainments channels on the GDL 69A.

P/N GDL 69	Sirius/XM Weather Receiver	**$4250**
P/N GDL 69/A	Sirius/XM Weather and Entertainment Receiver	**$4450**

GI 260 ANGLE OF ATTACK

Your angle of attack (AOA) is a valuable tool in knowing when a stall might occur. When the angle between the aircraft's wing and the oncoming airflow becomes too great, there won't be enough lift to sustain in flight. The GI 260 AOA indicator receives AOA input from a GSU 25 air data computer connected to a GAP 26 probe, making valuable AOA information easy to understand with one glance. GI 260 is approved for installation on certified aircraft.

P/N K10-00202-00	AOA System 14/28V Unheated Pitot	**$1725**
P/N K10-00202-10	AOA System 14V Heated Pitot	**$1875**
P/N K10-00202-20	AOA System 28V Heated Pitot	**$1875**

GWX 75 DIGITAL RADAR

Bringing full-color storm cell tracking to your compatible Garmin MFD, this Doppler-capable weather system combines excellent range and adjustable scanning profiles, with precision target definition for accurate cockpit weather analysis. With pilot-adjustable horizontal scan angles of up to 120°, you can easily focus scanning in the areas you want to watch, while vertical scanning lets you focus on storm tops and build-ups.

P/N 010-01589-00	GWX 75 Radar Processer 10" Dish	**From $22,995 Installed**
P/N 010-01589-01	GWX 75 Radar Processor 12" Dish	**From $23,895 Installed**

ASPEN AVIONICS FLIGHT DISPLAYS

The award-winning Aspen Evolution series Primary Flight Displays (PFDs) deliver advanced capability glass panels, that are easy to use. Aspen EFIS systems, based on the latest digital electronics and LCD technology, allows you to quickly and easily replace from one to three pairs-whichever best fits your needs and budget, without expensive new panel modifications.

The Evolution E5 is an IFR certified drop-in replacement for old style vacuum attitude and directional Gyros presents attitude information with altitude, airspeed, vertical speed plus HSI into a single display with a backup battery. Includes Global Positioning System (GPSS) Steering, and attitude heading reference system (ADAHRS). With redesigned electronics and new glass, the Evolution E5 has a bolder and brighter display and offers higher reliability, more capability, and increased processing speed.

The EFD-1000 directly replaces the attitude indicator and directional gyro and features internal AHRS, HSI, back-up battery, GPS Roll Steering, altitude alerter, and much more. The built-in Air Data Computer provides wind direction and speed, and also computes true airspeed and density altitude. Aspen EFDs are fully software upgradable, so you can add comprehensive hazard awareness capabilities such as Synthetic Vision, AOA, and ADS-B — all without removing the display from your panel.

The Evolution 1500 combines the powerful Pro PFD with the versatile 500 MFD (Multi-function Flight Display) to deliver a full-featured, exceptionally easy-to-use glass panel at the lowest price on the market. The Evolution 2000 combines the Pro PFD and the 1000 MFD to provide a system with MFD versatility as well as the safety and confidence of full PFD instrument redundancy. This Evolution Flight Display pair is an unbeatable duo that provides everything you need in an easy-to-use, full-featured glass cockpit for your GA aircraft.

P/N 920-00101-001	E5 EFIS PFD/DG	$5195
P/N 920-00101-011	E5 w/ACU	$6095
P/N EFD-1000PRO/MAX	EFIS PFD/HSI	$8795
P/N EVOLUTION-2000/MAX	2-Screen EFIS/MFD	$14,995
P/N EVOLUTION-2500/MAX	3-Screen EFIS/MFD	$18,595

OPTIONS:

P/N 430-00026-001	E5 Air Data Enablement	$4356
P/N 913-00006-001	SynViz Enablement	$895
P/N 913-00016-002	AOA Enablement	$895
P/N 913-00017-001	ADS-B Enablement	$895

E5 PFD/DG

SKYVIEW CERTIFIED

DYNON CERTIFIED

Blazing a trail in affordability and integration, Dynon Certified brings a new era of glass panel avionics systems for type certificated aircraft. Every Dynon Certified SkyView HDX system starts with the core system required by the STC, which includes redundant Primary and Standby EFIS flight displays, and a VR GPS Navigator Moving-Map display. Then just add the additional capabilities that best fits your flying, from a broad range of optional systems components and accessories.

The SkyView HDX core system includes your choice of 7" or 10" displays as pilots primary flight display, SkyView ADAHRS Unit, Magnetometer, WAAS GPS Antenna, Back-Up Battery, EFIS-D10A Back-Up Flight Instrument, and STC. SkyView HDX displays provide unrivaled control ergonomics and a redundant touch-screen interface. SkyView ADAHRS provide the system attitude, airspeed, altitude, DG, VSI, AOA, G-meter, turn rate, slip/skid ball, OAT, and TAS. Additional HDX displays can be added for a multiple EFIS system.

P/N				P/N		
503473-000	SkyView HDX1100 10' EFIS Core System	$10,910		503468-000	Vertical Knob Control Panel	$285
503273-000	SkyView HDX800 7" EFIS Core System	$9650		503471-000	Horizontal Knob Control Panel	$245
503561-000	HDX EFIS Display Connector/Harness	$124		503365-000	EMS-200 Engine Monitor Module*	$630
503296-000	EFIS-D10A	$3130		503291-000	Outside Air Temp Probe	$70
503414-000	AOA/Pitot Tube	$220				

* Call for aircraft approval and engine sensor kit pricing

SkyView Autopilot is currently limited to Cessna 172, Bonanza Models 35/36, and Piper Seneca. Please call for quote for autopilot install kits for these aircraft and current availability.

SKYVIEW COM RADIO

SkyView's COM Radio will change the way you communicate. Because the feature-rich radio is so deeply integrated with the Dynon SkyView system, frequencies can be tuned by airport and station type at the touch of dedicated buttons on the HDX display, or you can tune with the traditional knob control panel.

P/N		
504146-000	COM Transceiver	$1750
504020-000	Vertical COM Control Panel	$390
504145-000	Horizontal COM Control Panel	$390
503756-000	Remote COM Mount Kit	$95

SKYVIEW ADS-B TRANSPONDER/ADS B RECEIVER

The SkyView Class 1, Mode-S Transponder meets the transponder requirements of the FAA ADS-B Out mandate. In U.S. airspace, the SkyView ADS-B In Traffic and Weather Receiver, when combined with the Dynon Class 1 Mode-S transponder, will provide you access to ALL of the subscription-free TIS-B, ADS-R, and FIS-B services provided by the FAA.

P/N		
503417-000	Remote Xponder-261 Transponder	$2230
503373-000	ADSB-472 ADS-B Receiver	$770
503787-000	Xponder-261 Wiring Harness	$75
503785-000	ADS-B-472 Wiring Harness	$65

TQ AVIONICS COM AND ADS-B TRANSPONDERS

KRT2 TRANSCEIVER

The KRT2 Com radio fits a standard 2 ¼" instrument hole and is less than 6" deep so it will fit a variety of panels. It has the latest 8.33 KHz spacing technology and guarantees maximum frequency stability and channel separation under all conditions. The LED display is easy to see under all lighting conditions and displays the active and standby frequencies, plus it identifies the applicable facility for that frequency. KRT2 has a 100 frequency, 8 digit memory, and built-in 2-place intercom. It also has minimal power consumption-ideal for battery operation in those aircraft with no electrical system.

P/N KRT2	2 ¼" Round Com Transceiver	$1295

KTX2 TRANSPONDER

The KTX2 is a Class 1 Mode S Transponder that fits a standard 2 ¼" instrument hole, and is an ADS-B compliant transponder when connected to a suitable WAAS GPS source. Certified to 30,000 ft, KTX2 features a large, high contrast color TFT display for maximum visibility and also shows pressure altitude as well squawk code. KTX2 has a built-in altitude encoder with RS232 interface so no external encoder is needed.

P/N		
KTX2-S	2 ¼" Round Mode S / ADS-B Transponder	$1995
KTX2-F/V2	Mode S / ADS-B Transponder (Avionics Stack)	$1995

STRATUS ADS-B TRANSPONDERS

The Appareo Stratus Transponders are 1090ES systems and designed as an ADS-B solution, with options for internal WAAS GPS, or interface to existing WAAS GPS navigators. Stratus ESG includes a built-in certified WAAS GPS receiver and includes GPS antenna to provide the required ADS-B position information, making the Stratus ESG a true one-box ADS-B solution. For those aircraft already equipped with certified WAAS, the Stratus-ES (no internal GPS) is a great ADS-B solution. Designed to replace legacy transponders, Stratus transponders are solid state with a modern keypad makes entering a squawk code easy. The convenient VFR button minimizes pilot keystrokes and in addition to displaying squawk code, you can also see displays of lat/lon position and pressure altitude. Stratus Transponders also accept both serial and parallel (e.g. Gray code) inputs, so you can reuse most altitude encoders.

The Stratus ESGi system is the Stratus ES or ESG Transponder, plus the Stratus-3i Remote ADS-B Receiver and to provide a complete ADS-B Out/In package. The ADS-B "In" information is sent wirelessly to an Android or Apple device providing weather and traffic information, plus attitude and synthetic vision information using the ForeFlight app.

APPAREO

P/N 153010-000050	Stratus ESG ADS-B Transponder w/GPS	$3595
P/N 153010-000039	Stratus ES ADS-B Transponder	$2995
P/N 153010-000063	Stratus ESGi System	$4195

STRATUS POWER PRO USB PORTS

Enjoy the convenience of USB power in your aircraft-delivered by durable, high-quality engineering and enough power (2.5 amp) to charge two full-size iPads while they're in use. Stratus Power™ can be used with any combination of portable electronics and is FAA certified to TSO-C71.

| P/N 153010-000122 | Stratus Power Pro | $399 |

TRIG COM RADIOS

Trig 760 channel Com radios fit both avionics stack mount and 2 ¼" hole mount, and features built-in 2-place intercom. The TY96A stack mount has a 10W transmitter and large digital display that allows you monitor the standby frequency, plus you can store up to 200 airport identifiers via the handy USB port. The TY97A has all the same features as TY96 but has a powerful 16W transmitter. The TY96 and TY97 also feature 8.33KHz frequency spacing.

The TY91 Com is a two-piece system, providing installation options in limited space. The control head fits a 2 1/4" hole and is only 1.4" deep, and the digital LCD display lets you monitor the standby frequency while storing up to 9 frequencies. The TY91 has a 6W transmitter, while the TY92 transmits at 16W. Both radios have 8.33KHz spacing.

P/N 01079-00	TY91 6W COM w/Remote Control Head	$1657	P/N 01227-00-01	TY96 8.33KHz Panel Mount Com	$2652
P/N 01080-00	TY92 10W COM w/Remote Control Head	$3725	P/N 01790-00-01	TY97A 16W Panel Mount Com	$3044
P/N 01788-00-01	TY96A 10W Panel Mount COM	$2165	P/N 01229-00-01	TY97 16W 8.33 KHz Panel Mount Com	$3447

TRIG TX-56 NAV/COM

Trig's TX56 Nav/Com units provide the ideal platform to update legacy avionics or install in new aircraft. At only 1.3" high, TX56 saves valuable space yet contains an impressive selection of practical Nav/Com features. The Nav/Com display is clear and bright, showing both primary and secondary frequencies and airfield / VOR identifiers. TX56 has a built-in glide slope receiver, plus a Dual Watch allowing you to monitor two Com or Nav frequencies simultaneously – it's like having a second radio. The radio has a 'Say Again' feature. A single button press replays the last radio transmission. This feature is ideal for student pilots, but every pilot can get distracted, so it avoids the embarrassment of asking air traffic to repeat a message.

| P/N 01955-00-01 | TX56A Nav/Com (25KHz) | $4458 | P/N 01577-00-01 | TX56 Nav/Com (8.33KHz) | $4696 |

TRIG TRANSPONDERS

TRIG transponders are 1090/ES ADS-B Out compliant when connected to a WAAS GPS source. The TT22 is a two piece system and is the ideal companion to the TY-91/92 Coms where 2 ¼" hole mounts are all the space you have. The TT31 mounts in the avionics stack and is an easy replacement for the King KT76A/76C Transponder. Both models have built-in altitude encoders, saving time and money.

The Trig WAAS GPS Receivers couple to the TT22 and TT31 Transponders to provide the required position source, and comply with the ADS-B mandate.

| P/N 00772-00 | TT22 2 ¼" Mode S/ES Transponder | $2663 | P/N 01381-00 | TN70 Certified GPS Receiver/Antenna | $2260 |
| P/N 00225-00 | TT31 Panel Mount Mode S/ES Transponder | $2930 | P/N 01685-00 | TN72 Experimental/LSA WAAS GPS | $453 |

S-TEC 3100 DIGITAL AUTOPILOT

The next-generation Genesys Aerosystems S-TEC 3100 Digital Flight Control System (DFCS) is a fully featured, attitude-based autopilot that gives you a list of workload-reducing and safety-enhancing capabilities that were previously unavailable on aftermarket autopilots. Compatible with advanced digital sources & EFIS displays from Garmin, Aspen and others, the S-TEC 3100 delivers unmatched features and benefits.

The built-in roll steering will track lateral and vertical navigation for VOR, localizer, glide slope, GPS, LPV, and FMS, plus vertical navigation target can be set on the 3100 controller or through a compatible EFIS. The rock-solid altitude hold will keep the airplane at your selected altitude and the auto-trim lightens your workload. Other features include Straight and Level Button, Vertical Speed Control, and Roll Exceed warnings. The Altitude Preselect feature will give visual and aural alerts as you approach your selected altitude, while the Indicated Airspeed Hold will automatically maintain the precise airspeed you select-all you need to do is control power settings. In situations where you encounter overspeed or excessive banking, STEC-3100 will apply corrective actions to keep the aircraft from exceeding those limits.

P/N S-TEC 3100	Digital AP System w/Autotrim	$16,495
P/N S-TEC 3100	Digital AP System w/Autotrim & Yaw Damper	$20,495

STEC-3100 pricing varies depending on aircraft type. Please call for a quote for your aircraft.

SYSTEM 55X

The System 55X incorporates the GPS roll steering and tracking with glideslope capture and track, VOR/Localizer/Back Course intercept and tracking, and vertical speed commands. The System 55X Computer/Programmer has an LCD digital display and is designed for mounting in the standard avionics stack. Options include heading pre-select, auto-trim, altitude pre-select, remote annunciator and flight director.

P/N SYSTEM 55X	Autopilot System	$16,495
P/N ST-360	Altitude Selector/Alerter	$4795
P/N AUTOTRIM	Automatic Trim	$4650

System 55X pricing varies depending on aircraft type. Please call for a quote for your aircraft.

AEROCRUZE AUTOPILOT

The dynamic performance of AeroCruze-100 autopilots is superior to that of any turn coordinator-based system. These digital systems can easily be configured in flight and include built-in slaved DG and associated heading selector. Because they're digital, AeroCruze autopilots can fly a wide range of aircraft from Kitfox, to an L-39 jet, and are certified for select Cessna, Piper and Mooney aircraft! The AeroCruze-100 is available in 2 ¼" and 3 1/8" round.

AeroCruze-230 Controller is a slide-in replacement for KFC-150 autopilot controllers-using the existing servos and installation.. AeroCruze-230 is the only touchscreen autopilot controller on the market and includes brand new 2-year warranty on those existing servos. Please call for supported aircraft.

P/N AeroCruze-100 CERTIFIED	STC'd Autopilot System for Cessna/Piper Aircraft	$5995
P/N AeroCruze-100 CERTIFIED	STC'd Autopilot System for for Mooney Aircraft	$6295
P/N XCruze-100	Autopilot System –Experimental	$2795
P/N KFC23002	AeroCruze-230 AutoPilot Controller - KFC150 Upgrade	$12,495

AERONAV GPS/NAV/COMS

AeroNav Series of touch screen navigators represent the next generation in flight management systems. Managing your radios is easy with AeroNav. Frequencies can easily be entered either by rotating the dual knobs on the left, or by using the touch-screen numeric keypad. COM frequencies can also be tuned directly by touching the displayed frequencies on Info, Nearest, and Frequency List pages. Aeronav touch screens allow pilots to perform virtually all of those same functions with a simple touch, plus pinch-zoom, map panning, and graphical flight plan editing. Terrain Awareness can be displayed over the color-contoured terrain base map for easy pilot recognition encroaching terrain.

AeroNav-910 features a built-in Attitude Reference System (ARS) that displays changes in pitch and roll, and also provides multi-colored synthetic vision with your flight path depicted on the screen in amazing 3D. Caution Alerts are provided when a collision with terrain is projected within approximately 60 seconds.

AeroNav are direct replacements for popular Garmin GNS Series Navigators. In most cases, they will utilize the existing tray and connectors, and are compatible with all the popular interface configurations, which can greatly minimize installation costs.

P/N AeroNav-800	GPS/Nav/Com	$15,695
P/N AeroNav-900	GPS/Nav/Com	$19,895
P/N AeroNav-910	GPS/Nav/Com w/AHRS	$26,895

AV-30 AND AV-20-S - EFIS

Upgrade to EFIS flight instruments without sacrificing the authentic look of a vintage attitude indicator and DG. The AV/30 mounts In a standard 3 1/8" instrument hole and can be configured as an primary flight display or directional Gyro, so installing two AV30's allows the removal the vacuum system from the aircraft. Simply install with power and ground, and existing pitot/static lines, and get digital attitude, airspeed, (indicated and true) altitude, altitude preselect, voltage, and turn coordinator.

The AV2OS is a 2 ¼" instrument that can be used as an attitude indicator, AOA display, G-Meter, voltage, clock, timer, true airspeed, and as a transponder controller for the TailBeaconX.

P/N UAX-90051-01	AV-30-E Electronic Flight Instrument (EXP)	$1894
P/N UAX-90052-01	AV-30-C Electronic Flight Instrument (EXP)	$2299
P/N UAX-90050-01	AV-20-S Electronics Flight Instrument (EXP)	$895

AV-30 OPTIONS:
P/N UAX-90077-01	AV-Link (EXP))	$299
P/N UAX-90090-01	AV-Link (STC)	$299
P/N UAX-90092-01	Magnetometer (EXP)	$249
P/N UAX-90093-01	Magnetometer (STC)	$299

ADS-B SOLUTIONS

The SkyBeacon and TailBeacon one-piece ADS-B out solutions are designed as direct replacements for the wingtip nav/strobe (skyBeacon) and tall position light (TallBeaconX) and have a WAAS GPS, ADS-8 out transmitter (978UAT), and antenna built in. As direct replacements, they can be user installed in just a few hours and use the existing wiring, and the Mode C Transponder already in the airplane.

TailBeaconX is the first Mode S ADS-B out Transponder designed to satisfy the requirements for existing and upcoming worldwide ADS-B regulations, especially those using ground and space-based ADS-B. Simply replace your existing tail position light with TailBeaconX and either the AV-20S or AV-30 EFIS indicators for transponder squawk display and control.

P/N UAX-90032-01	SkyBeacon Wingtip ADS-B Out Nav/Strobe	$2099
P/N UAX-90036-01	TailBeacon Tail Light/ADS-B Out	$2099
P/N UAX-90059-03	TailBeaconX Mode-S/ ADS-B Transponder (TS0)	$2499
P/N UAX-90059-05	TailBeaconX/AV30C Bundle (TSO)	$4599
P/N UAX-90059-01	TailBeaconX/AV30E Bundle (Experimental)	$4195
P/N UAX-90059-02	TailBeaconX/AV20 Bundle (Experimental)	$3295

ECHO-UAT ADS-B

echoUAT receives dual-band ADS-B traffic and subscription-free in-flight weather information on both 978MHz and 1090MHz, and delivers real-time aircraft positions and weather overlays to your favorite EFB supporting the GDL 90 protocol, including ForeFlight Mobile, FltPlan Go, iFlyGPS, FlyQ, Wing X, and others. With the echoUAT integrated power transcoder, there is no need to replace your existing transponder. For aircraft without a WAAS GPS position source, you can add the skyFYX-EXT GPSAntenna/Receiver for complete system.

| P/N UAX90011-01 | echoUAT ADS-B Transmitter/Receiver | $999 |
| P/N eachoUAT/skyFYX-EXT Bundle | ADS-B w/GPS | $1399 |

TRUE BLUE POWER
A division of Mid-Continent Instrument Co., Inc.

MD93H CHRONOMETER/DUAL USB PORT

The MD93H Chronometer/USB Charger is FAA TSO'd and features intuitive operation with five modes: Local Time, UTC/Zulu Time, Flight Timer, Countdown Timer and Stopwatch. The Dual USB Charging Port charges any standard or high-power device with a USB interface with 3 amps per port, allowing simultaneous use of an iPad or tablet while also Charging the device. The MD93H has a 2-year limited warranty, fits a standard 2 ¼" instrument hole and has protection from short circuit, power surges and over-current potential. A 10-year internal battery to maintain time memory.

| P/N 6420093-4 | MD93H Chronometer/Dual Type A USB | $635 |
| P/N 6420093-5 | MD93H Chronometer/Type A & C USB | $705 |

TRUE BLUE POWER USB PORTS

Plug in, power up and charge your iPad's, iPhones, tablets, and EFB's with these options for USB charging ports. 3 Amps of power will charge and power your devices and they are available as Type A, Type C, or combination of ports.

P/N 6430202-5	TA202 Dual Type-A Ports	$359	P/N 6430202-15	TA202 Dual Type-A Ports-Lighted	$359
P/N 6430202-3	TA202 Dual Type-C Ports	$359	P/N 6430202-13	TA202 Dual Type-C Ports-Lighted	$359
P/N 6430202-1	TA202 Type A/C Ports	$359	P/N 6430202-11	TA202 Type A/C Ports-Lighted	$359
P/N 6430202-19	TA202 Single Port Type-A	$179	P/N 6430202-7	TA202 Single Port Type-C	$179

PMA-450B/PMA-450C AUDIO PANEL

With the proliferation of Bluetooth® enabled devices in the cockpit, it was time to take the next step in connectivity with the introduction of the PMA450B/C. This 3rd generation PMA450B/C has two completely independent Bluetooth® modules, with ability to stream to a digital video camera, hear Foreflight® alerts, make a phone call to ATC for your IFR clearance, or listen to music. The PMA450B adds flightmate®–an integrated audio alert system gives the pilot the ability to hear alerts related to aircraft conditions. Both models have 5-unswitch audio inputs, Marker Beacon, and IntelliAudio® which positions by positioning the Com audio in the headset to sound as if it is coming from one of 9 unique positions.

P/N PMA-450B	Audio Panel w/flightmate	**$2595**
P/N PMA-450C	Audio Panel	**$2295**

PMA8000 SERIES AUDIO PANEL

The popular PMA8000 series provide an audio panel solution for every application. The PMA8000's come with 2-year ProSupport Warranty, unprecedented audio quality, bluetooth capability, automatic VOX, music/cell phone interface, and multiple unswitched audio inputs. Internal Recording System (IRS) allows instant playback of radio messages.

PMA8000C built-in Marker Beacon has 3-COM capability, 6-place stereo intercom with three Isolation modes, plus a 3.5mm music input jack on the face. The "Monitor Mode' allows automatic muting of the non-primary radio, and it is a direct slide-in replacement for GMA-340. The PMA-8000G has the same features as PMA8000C, but adds a USB Port on the face of the unit, plus IntelliAudio which greatly enhances radio communications.

P/N PMA8000C	Audio Panel w/3rd Com	**$1895**
P/N PMA8000G	Audio Panel w/USB Charger	**$1795**

PMA6000B AUDIO PANEL W/ BUILT-IN INTERCOM

The revamped PMA6000B audio panel includes a 4-place mono intercom, and now sports the same look and tactile push buttons as the PMA8000 series. Radio selection, cockpit communications, and even music have been seamlessly combined in this modern audio control panel. Pilot and crew/passenger isolate functions are an integral part of the design, and the soft mute feature subtly reduces music volume during conversation or communication.

P/N PMA6000B	Audio Panel	**$1395**
P/N PMA6000B-OPT2	Audio Panel w/o Marker	**$1295**

PMA7000 AUDIO PANEL

The PMA 7000 features LED push button audio selection, plus a 6-place intercom with Intellivox auto-squelch. Two audio inputs allow pilot and passengers to listen to their own music preferences. The PMA7000M-BT is a direct slide-in replacement for the PMA6000 series of audio panel, and the PMA7000BT features stereo intercom and Bluetooth capability.

P/N PMA7000M-BT	Audio Panel	**$1495**
P/N PMA7000BT	Audio Panel w/Bluetooth	**$1695**

PAR200B TSO'D AUDIO PANEL/COM RADIO

The PAR200B has it all. Starting off with a full featured audio selector panel, it also has 4-place stereo IntelliVox® intercom with Bluetooth® interconnectivity, a 10 Watt Speaker Amplifier, and last but not least, the PAR200B is your control panel that accesses a very capable 760 channel VHF aviation radio.

P/N PAR200B	Audio Panel/COM Radio/Stereo Intercom	**$3095**

PM1000II HIGH PERFORMANCE INTERCOM

The next generation panel mount intercom based upon the popular PM1000TSO unit. Not only does the PM1000II have all of the rigid design requirements that are demanded in TSO C50-c, but it also has new capabilities that assure it to be recognized as the best value in panel mount intercoms. Aircraft radio mutes the entertainment device. When purchased with the built-in CREW function an additional squelch and output amplifier circuit is installed, providing a separate squelch circuit for the pilot, co-pilot, and passengers 1 & 2. The PM1200 w/ PTT & VOX works well in open cockpit aircraft.

P/N 11922	PM1000II w/ Pilot Isolate	**$459.95**
P/N 11960	PM1200 High Noise Intercom	**$469.95**
P/N 11616	Expansion Unit for PM1000II	**$499.95**

PMA3000 PANEL MOUNTED STEREO INTERCOM

The PM3000 is an FAA TSO approved stereo intercom. The 4-place version has 1 music input and ISO/ALL modes, 2 unswitched audio inputs and a dimmable LED. The 6-place unit has ISO/ALL/CREW modes and 2 music inputs. While in crew mode, two music sources can be played simultaneously. When the intercom or radio becomes active, the music will automatically mute, and when COM activity is done, the "soft mute" will gradually return the music level to the original volume.

P/N 11931A	4-Place	**$549.95**
P/N 575-030-0005	2.25" Mount Opt	**$19.95**

PMA4000 AUDIO SELECTOR/ INTERCOM

The PMA4000 is the world's smallest 4-place audio panel with an integrated intercom. Switching allows for pilot isolate, all intercom and an Off mode as an automatic fail-safe interconnect to the primary Com radio. Independent volume controls for pilot and co-pilot are built-in and you have the ability to switch between two Coms and two Nav inputs. And additional four un-switched inputs allow for receivers, warnings, AP disconnect or GPS alerts.

P/N 11942		**$899**
P/N PAC24	Special Mission Audio Panel	**$1995**

PRE-FAB HARNESS OPTIONS:

2-Pl Intercom Harness	**$195**
4-Pl Intercom Harness	**$275**
2-Pl Audio Panel/Intercom Harness	**$390**
4-Pl Audio Panel/Intercom Harness	**$490**

406 MHz EMERGENCY LOCATOR TRANSMITTERS

ACK E-04 406 ELT

The E-04 121.5/406 MHz ELT is designed for use in general aviation aircraft and offers much better location accuracy over older 121.5 ELT's. Older generation ELT's are very limited in their ability to rapidly locate, and identify a downed aircraft, plus they do not provide any aircraft type, owner/operator, or contact information.

The ACK Technologies E-04 ELT transmits on both 406 and 121.5 MHz and comes ready to install complete with mounting rack, 6-year lithium battery, whip antenna with coax, and panel switch kit. For increased accuracy, the E-04 can connect to panel mount GPS, allowing the ELT to transmit GPS position.

Size: 7.9" x 2.75" x 2.75"   Weight: 3.5 lbs.

P/N E-04	406MHz ELT w/GPS Interface	$710
P/N E-04R	E-01 Retrofit 406MHz ELT	$690
P/N E-04C.3	406MHx ELT w/350 Knot Antenna	$1089

ELT REPLACEMENT BATTERIES AND ANTENNAS

P/N E-04.0	ACK Replacement Battery	$229
P/N E-04.10-8	ACK/Ameri-King Switch Kit	$11
P/N E-04.5	ACK Panel Switch Kit	$20
P/N E-04.8	ACK Whip Antenna (Replacement)	$110
P/N 8322	Artex ELT 345 Repl. Battery	$239
P/N 455-0012	Artex ME406 Repl. Battery	$299
P/N 345-6196-04	Artex ME406 Panel Switch Kit	$139

ACR RESQLINK W/ GPS PORTABLE ELT

The ResQLink™ is a full-powered, GPS-enabled rescue beacon designed for pilots, boaters, and back country sportsmen. The ResQLink™ accurately and quickly relays your position to a worldwide network of search and rescue satellites using three levels of integrated signal technology – 406MHz Cospass Satellites, GPS, and 121.5MHz. It has 66-channel GPS guiding rescuers to within 100 meters or less of your position, and that in the continental U.S., search and rescue personnel are alerted of your position in as little as five minutes. ResQLink™ View displays latitude and longitude.
Size: 1.6" x 1.9" x 4.5"   Weight: 5.4 oz.

P/N 2921	ResQLink 400 Personal Locator Beacon	$359.95
P/N 2922	ResQlink View Personal Locator Beacon	$399.95

GARMIN INREACH MINI-2 SATELLITE MESSENGER

InReach Mini-2 has global satellite coverage using the Iridium Satellite System with multiple ways to stay in touch with home. You can either use stand-alone, or sync to your smartphone and you'll 2-way texting capability, location sharing to allow friends and family to see your progress, and in case of emergency, you can trigger an SOS to Garmin Response(SM), a 24/7 staffed emergency response center. Mini-2 has a 14-day battery life, and built-in digital compass, weather forecasts, and a compact rugged design.

P/N 010-02602-00	InReach Mini2 Satellite Messenger	$399.99

ARTEX ELT 345

The new ARTEX ELT 345 is built to the industry's most stringent quality management standards to ensure the ELT works the first time, every time. The ELT 345 transmits on 406 MHz and 121.5 MHz while providing positon accuracy thanks to the built-in GPS navigational interface. GPS data is embedded within the first emergency transmission and provides aircraft location to Search and Rescue personnel within 100 meters, in less than a minute.

Size: 6.4" x 3.96" x 3.78"   Weight: 2 lbs

P/N 8102	ELT 345 w/Whip Antenna	$755
P/N 8107	ELT 345 w/Short Whip Antenna	$836
P/N 8322	ELT345 Replacement Battery	$239

ACR PLB1 W/GPS

Wherever you are, at sea, on land, the PLB1 provides the reassurance global emergency services can be alerted by the press of a button. PLB1 is the world's smallest and lightest personal locator, and the internal GPS provides accurate position information for rescuers. PLB1 requires no subscriptions, and when activated this PLB transmits your position and your ID to a Rescue Coordination Center via satellite link, and rescue services nearest to you are promptly notified of your emergency to assist prompt rescue. The PLB1 is provided with a flotation pouch to fit the PLB into to enable it to float.

PN 8110	Personal Locator Beacon	$349.95

ACR BIVY STICK SATELLITE MESSENGER

The ACR Bivy Stick turns your cell phone into a 2-way satellite messenger using the Iridium satellite network. Bivy Stick is the smallest and lightest satellite messenger available, and with its simple design and new user interface on the app, it has never been easier to share your location, get a weather report, send a message, or initiate an SOS. If your cell phone isn't available, you can send unlimited prepared messages directly from the Bivy Stick at no charge! The multiple affordable and flexible data plans help you keep your adventure budget to actual adventuring.

P/N 4601	Bivy Stick Satellite Messenger	$249.95

GARMIN INREACH MESSENGER

When you journeys take you to remote locations, InReach Messenger is the compact satellite communicator that brings you closer to home by keeping in touch with global 2-way messaging. A simple user interface through the Garmin Messenger app on your smartphone makes it easy to exchange text messages with loved ones using the Iridium network. Messenger has "SOS button in the event of an emergency, and you can Share your location using the apps Mapshare page. Don't let the 3" inch x 2.5 inch size and 4 oz weight fool you. inReach Messenger is tough, durable, impact-resistant and 28-day battery life. You can even get detailed weather updates on your paired device.

P/N 010-02672-00	InReach Messenger	$299.99

STRATUS
by APPAREO

BRINGING SAFETY & SIMPLICITY TO AVIONICS

DESIGNED, TESTED, AND BUILT IN THE USA

Appareo has been developing products to enhance situational awareness for more than 15 years. With our Stratus line of ADS-B receivers, transponders, and USB charging ports, Stratus products are designed and built by pilots, for pilots.

STRATUS INSIGHT™

Stratus Insight is a full electronic flight bag suite that includes AHRS with synthetic vision, TAWS, VFR sectional maps, IFR low/high charts, and geo-referenced approach plates.

stratusinsight.app

stratusbyappareo.com

uAvioni✈

Aireon COMPATIBLE

TSO CERTIFIED

tailBeaconX

Simplify airspace mandates by meeting them all with the transponder of the future.

tailBeaconX embraces the future, providing precise ADS-B data to surface and satellite networks, without the need for costly diversity antennas.

*tailBeaconX requires a control head to set the mode and squawk

WHAT'S INSIDE

Mode S Transponder
1090 ES ADS-B OUT
Integrated WAAS GPS
Compliant above FL180
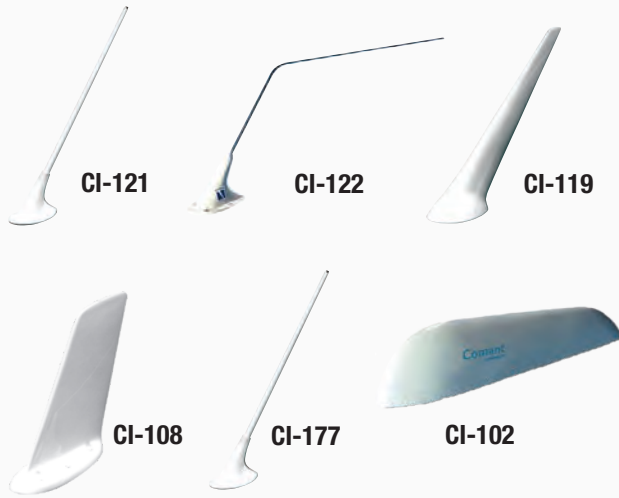Ground and Space-based ADS-B

Control tailBeaconX with

AV-30-C

Primary Attitude Indicator
Primary Directional Gyro
Primary Slip
Probeless AoA Display
+ More

AV-20-E

Local/GMT Clock
User Timers
Attitude
Probeless AoA Display
+ More

![Comant - A COBHAM Antennas Company]

COM ANTENNAS

CI-121 CI-122 CI-119
CI-108 CI-177 CI-102

P/N CI-121 COM Antenna   **$219**
Common "straight whip" style designed for
singles up to light twins.
Rated to 250 knots. 118-136.75 MHz.
Height: 17.9"   Weight: 1 lb.

P/N CI-122 COM Antenna   **$259**
Bent whip style antenna suitable for
top mount or belly mount.
Rated to 350 knots. 118-136.75 MHz.
Height: 8.2"   Weight: 1 lb.

P/N CI-119 COM Antenna   **$845**
Designed for large twin to medium twins.
Aerodynamically shaped for low drag.
Rated for 350 knots. 118-136.75 MHz.
Height: 13"   Weight: 1.5 lbs.

P/N CI-108 COM Antenna   **$1399**
Blade style suitable for turbine
aircraft and can be top mounted or
belly mounted.
Rated to 600 knots. 118-136.75 MHz.
Height: 12"   Weight: 2.5 lbs.

P/N CI-177 Business Band   **$399**
Similar in style to CI-121 and designed for
use over public service band.
Rated for 250 knots. 148-174 MHz.
Height: 12.5"   Weight: .5 lb.

P/N CI-102 Marker Beacon   **$199**
Designed for use with modern high sensitivity
marker receivers. Rugged injection molded
material and internal 4-hole mount.
Height: 2.15"   Length: 10.7"
Weight: .6 lbs.

CI-205-3 VOR
VOR/GS HIGH TOWEL BAR SET

Designed for mounting on the aircraft vertical stabilizer
or helicopter tail boom. Features low weight/drag,
tubular structure to minimize helicopter rotor "down
wash" forces, wide band/high efficiency electrical
performance & DC grounding for lightning protection.
Includes a pair (2) of "towel bar" sensor elements
each w/ single BNC output connector & a one-piece
dual coax interconnect signal combiner harness with
single BNC connector output. Use the CI-505 diplexer for dual VOR/single glideslope
operation with NAV 1 & NAV 2 receivers. Dual VOR/dual glideslope operation is
available when used with the CI-1125 diplexer.

Freq.: 108-118 MHz (VOR/LOC)	Weight: 1.75 lbs. max	Pattern: Omnidirectional
VSWR: 5.0:1 max	Impedance: 50 ohms	Rated to 300 knots
Height: 5.25" max	Polarization: Horizontal	

P/N CI-205-3 $2295

CI-120 GS
VOR/GS NAVIGATION ANTENNA SET

Provides optimum VOR performance when used for
area navigation. Qualified for use on single, twin, jet
and helicopter aircraft. It also provides glideslope
reception capability. The complete set includes a pair
of blades, each with single BNC connector output,
two coax interconnect cables, and a signal combiner
with single BNC connector output. This provides for
a single cable run to the avionics installation. Use
the CI-505 diplexer for dual VOR/single glideslope operation with NAV 1 and NAV
2 receivers.

Freq.: 108-118 MHz (NAV)	VSWR: 3.0:1 max	Pattern: Omnidirectional
VSWR: 5.0:1 max	Height: 6.0" max	TSO C34c, C36c, C40a, DO-160
Freq.: 329 - 335 MHz (GS)	Weight: 2.5 lbs. max	Rated to 600 Knots (0.9 Mach)

P/N CI-120 G/S $1985

CI-157P
"V" DIPOLE VOR/GLIDESLOPE ANTENNA

Designed specifically for compatibility with the Piper
aircraft mounting. The integral ferrite balun provides
improvements in performance and replaces cumbersome
coaxial baluns utilized previously. Not approved for
helicopter installations.

Freq.: 108 - 118 MHz, 329 - 335 MHz	Impedance: 50 ohms
VSWR: 3.0:1 max	Mounting: Vertical Fin Stabilizer
Weight: 0.5 lb. max	Rated to 250 knots

P/N CI-157P $429

CI-159C
"V" DIPOLE VOR/ GLIDESLOPE ANTENNA

The CI-159C is similar to the CI-157P but with fiberglass
radiating elements.

P/N CI-159C $499

NAVIGATION COUPLERS

CI-502

P/N CI-502 $245
Dual NAV Coupler
The CI-502 permits the
use of two NAVs through
a single antenna.

CI-505

P/N CI-505 $295
Dual NAV and Glideslope Coupler
The CI-505 gives you the simultane-
ous use of two NAVs and one glides-
lope through a single antenna.

CI-507

P/N CI-507 $195
Single NAV and Glideslope Coupler
The CI-507 gives you the simultaneous
use of one NAV and one glideslope
through a single antenna.

CI-503

P/N CI-503 $235
Dual Glideslope Coupler
The CI-503 permits the
use of two glideslopes
through a single antenna.

CI-1125

P/N CI-1125 $249
Dual NAV and Dual Glideslope
Coupler
The CI-1125 allows the simultaneous
use of two NAVs and two glideslopes
through one antenna.

TRANSPONDER ANTENNAS

CI-101 TRANSPONDER ANTENNA

The CI-101 is a top loaded stub monopole. The antenna radiator is mechanically captivated and is machined from beryllium copper for impact resistance. All metallic parts are plated with bright nickel for corrosion protection. The CI-101 mounts through a single 0.600" diameter mounting hole and uses a BNC connector.

Freq.: 1030 - 1090 MHz
VSWR: 1.3:1 max @ 1030 MHz
VSWR: 1.5:1 max @ 1090 MHz
Height: 3.3" max
Weight: 0.1 lbs. max

Impedance: 50 ohms
Mounting: Internal
TSO C74c, DO-138
Rated to 300 knots

P/N CI-101   **$99**

104-12 ANTENNA

Transponder/DME antenna meets the same manufacturing specifications and is a direct replacement for the Comant CI-101 and the RA Miller AV-22. Same high quality and performance at a better value.

Freq.: 1030 - 1090 MHz
VSWR: 1.3:1 max @ 1030 MHz
VSWR: 1.5:1 max @ 1090 MHz
Height: 3.3" max
Weight: 0.1 lbs. max

Impedance: 50 ohms
Mounting: Internal
TSO C74c, DO-138
Rated to 300 knots

P/N 104-12   **$39**

TRANSPONDER/ADS-B/DME ANTENNAS

COMANT CI-105

The CI-105 is a broadband and rugged antenna, designed for DME or transponder use. The antenna assembly is encased in a glass reinforced polyester molded shell.

Freq.: 960 - 1220 MHz
VSWR: 1.3:1 max from 025 to 1150 MHz
VSWR: 1.5:1 max from 969 to 1220 MHz
Height: 3.25" max
Weight: 0.24 lbs. max

Impedance: 50 ohms
Mounting: Internal
TSO C66b, C74c, DO-160A
Rated to 400 knots

P/N CI-105   **$179**

RA MILLER AV-74

The AV-74 is a broadband balde type antenna. Made with a durable acrylic (ASA) shell, it is supplied with neoprene mounting pad and hardware. AV-74 is designed to operate at speed up to 350 mph.

Freq.: 960 - 1220 MHz
VSWR: 1.3:1 max from 025 to 1150 MHz
VSWR: 1.5:1 max from 969 to 1220 MHz
Height: 3.25" max
Weight: 0.24 lbs. max

Impedance: 50 ohms
Mounting: Internal
TSO C66b, C74c, DO-160A
Rated to 400 knots

P/N AV-74   **$169**

R A MILLER ANTENNAS AND COUPLERS

AV-22   AV-10   AV-534L   AV-17   AV-12L   AV-569   AV-571   AV-547   AV-3

AV-571   DUAL VOR/1 GS TRIPLEXER

The AV-571 coupler splits the signal from a VOR-type antenna to feed two NAV and one Glideslope receivers.

P/N AV-571   **$199**

AV-10   COM ANTENNA

The antenna essentially matches the styling of the communication antennas currently used on most single and light twins. Rated to 250 knots. 118-136.75 mHz

P/N AV-10   **$219**

AV-17   BENT WHIP COM ANTENNA

Designed for top mount or belly mount with classic bent whip design. Rated to 350 knots. 118-136.75 mHz

P/N AV-17   **$239**

AV-22   TRANSPONDER ANTENNA

Utilizes a BNC connector that allows for a smaller mounting hole for easier installation. Rated to 250 knots.

P/N AV-22   **$99**

AV-534L   COMMUNICATIONS ANTENNA

The AV-534L is a heavy-duty stainless steel, bent-whip VHF COM Antenna. Rated to 250 mph. The antenna comes w/ 8 ft. of cable & mounting hardware. 118-136.75 mHz

P/N AV-534L   **$129**

AV-569   MARKER BEACON ANTENNA

The AV-569 "Boat Type" marker beacon antenna is designed for very low drag. Includes cellular neoprene mounting pad and hardware.

P/N AV-569   **$219**

AV-12L   VOR ANTENNA

The AV-12L is a VOR receive only antenna which uses a highly efficient technique of molding the elements directly into a high-impact thermo-setting bakelite center insulator. The stainless steel elements are ground to close tolerances to provide a low profile. A 30 ft. cable with integral balun is also provided.

P/N AV-12L   **$315**

AV-3   GROUND VEHICLE ANTENNA

Low profile snap-in mount 118-136.75 MHz Com antenna that easily mounts on ground vehicles. It comes with 12' of cable and PL-259 connector and has a solderless connection at the antenna. AV-3 will work with most avation mobile base radios.

P/N AV-3   **$199**

AV-547   DUAL VOR DIPLEXER

The AV-547 coupler feeds two navigation receivers from one antenna.

P/N AV-547   **$159**

Electronics International Inc.

The CGR-30P brings glass panel technology to your panel, without breaking the bank. CGR is a Certified primary replacement for all of your engine instruments, and because it fits a standard 3 1/8" hole, it doesn't protrude from the panel or impede on any adjacent instruments. CGR-30P features a state-of-the-art, full color bar graph which assists with ROP/LOP leaning, in addition to digital readouts to see temperatures at a quick glance. CGR-30P can be configured to display a combination of important functions.

The CGR Basic system displays RPM, all EGT/CHT (bar graph), Fuel Flow, Fuel Remaining, GPH, Time-to-Empty, OAT, Volts, Local/Zulu Time, Flight Timer, and Tach Time. The CGR Premium System is designed for higher performance aircraft and in addition to all of the "Basic" functions, you get Manifold Pressure, % HP, Oil Temperature, Oil Pressure, Fuel Pressure, and individual Tank Fuel Quantity, plus the option to add functions such as Hydraulic Pressure, G-Meter, Amps, Carb Temperature, Induction Air Temperature, and CO Detector, and all are displayed in full color strips and digital indicators. One of the many impressive features of CGR-30P is its ability to provide alerts the moment a function exceeds its programmed limit. All engine data is displayed in one location so there is no need to search the entire instrument panel to get critical data, and there are easy to see annunciators to give you instant information of status. Also provided is a programmable checklist capable of storing 50+ checklist items which can be created in a text editor and then uploaded via USB port.

The CGR-30C Combo Package is an approved Primary Instrument Replacement, and can display up to 16 Primary Instruments on two 3 1/8" displays. This allows you to see all engine indications, fuel quantity, and cautionary alerts at a glance without having to turn a knob or change a display. The second screen can display up to 6 secondary functions or additional primary functions that will not fit on the Main Screen. These primary functions will all annunciate to whichever screen you're viewing if a limit is violated. The red and/or yellow range annunciators on the Secondary Screen will blink to alert the pilot of any potential problem with a primary function on the Main Screen.

CGR-30P is also available for twin engine aircraft and are also certified replacements for all the analog gauges. Available in a two display or four display package. All models of CGR-30P can store engine performance data for up to 1500 hours of flight which can be downloaded at any time via USB port, and the packages are factory programmed specifically for your airplane.

P/N CGR-30P-4-B (4 Cylinder) Basic	$3398	P/N CGR-30P-6-P (6 Cylinder) Premium)	$4448
P/N CGR-30C-Combo-4 2-Displays (4 Cylinder)	$5048	P/N CGR-30P-B-A UBG-16 to CGR Upgrade w/FF	$2998
P/N CGR-30P-4-P (4 Cylinder) Premium)	$4098	P/N CGR-30-T-4 (4 Cylinder) Twin System	$7998
P/N CGR-30-C Combo-6 2-Displays (6 Cylinder)	$5398	P/N CGR-30-T-6 (6 Cylinder) Twin System	$8998
P/N CGR-30P-6-B (6 Cylinder) Basic	$4098	P/N CGR-30-TC-4 (4 Cylinder) Twin Combo System	$8998
P/N CGR-30P-B-A UBG-16 to CGR Upgrade	$3098	P/N CGR-30-TC-6 (6 Cylinder) Twin Combo System	$10,298

MVP-50 ENGINE MONITOR SYSTEM

The MVP-50 allows pilots to accurately monitor dozens of engine and system parameters, program redline limits, setup custom inputs, create interactive checklists, store general flight information, build flight plans, record and review pertinent data from every flight, and so much more. The MVP has been designed with the same thoughtful engineering that goes into every EI product.

With its large 5.5" display, the MVP-50 allows you to accurately monitor over 15 engine instruments and system parameters, program redline limits, set up custom inputs, create interactive checklists, store general flight information, build flight plans, record and review pertinent flight data, and so much more. Onboard data-recording provides the capability to download and review an entire flight history for any flight. Bar graph and digital displays continuously provides critical engine information, including leaning assistance, temperature differentials, and audible and visual engine limit alerts. The System Screen is dedicated to programming and display of various aircraft systems including flaps, elevator and aileron trim, plus most any function you want to view such as customizable checklists, vacuum pressure, hydraulic pressure, pressure altitude, airspeed, and virtually any temperature or pressure. MVP-50 is available for experimental aircraft versions, certified single and twin engine aircraft, and even turbine aircraft.

MVP-50 Packages includes the color display unit, EDC Engine Data Converter, AL-1 Caution/Warning Lights, USB memory stick, Ammeter Shunt, pre-wired harness, and all probes/sensors for EGT and CHT, OAT, RPM, Manifold Pressure, Oil Pressure, Oil Temperature, Fuel Pressure, Fuel Flow Transducer, and Fuel Quantity.

P/N MVP-50P-4	4-Cylinder-Experimental	$5350	P/N MVP-50P-6	6-Cylinder-TSO/Certified	$6650	P/N MVP-50TE Turbine Experimental	$7400
P/N MVP-50P-6	6-Cylinder-Experimental	$5800	P/N MVP-50P-4T	4-Cylinder Twin System	$14,600	P/N MVP-50TC Turbine Certified	$10,400
P/N MVP-50P-4	4-Cylinder-TSO/Certified	$6250	P/N MVP-50P-6T	6-Cylinder Twin System	$15,600		

M-1 MANIFOLD PRESSURE

- FAA approved as a primary replacement instrument (STC'd, PMA'd, & TSO'd)
- Accurate digital display
- Backlit LCD display
- .1" mercury resolution
- Connects to standard pressure line
- 210 degree green, yellow and red LED arc
- Compact size: 2.5" x 2.5" x 3.65"

P/N M-1   **$569**

OPT-1 OIL TEMP/PRESSURE

- FAA approved as a primary replacement instrument (STC'd, PMA'd, & TSO'd)
- Two graphic analog displays (limits may be set to your specification)
- 1 PSI and 1°F resolution
- LCD display for excellent visibility in direct sunlight (backlit for night operation)
- External oil pressure and temperature transducers (no oil lines in the cabin)
- Compact size: 2.5" x 2.5" x 3.65"

P/N OPT-1   **$629**

R-1 TACHOMETER

- FAA approved as primary (STC'd, PMA'd, & TSO'd)
- 210° graphic analog and digital display (limits may be set to your specification)
- Automatic flight timer
- Automatically records highest RPM on last flight
- Tach timer (factory preset to your requirements)
- 10 RPM resolution
- LCD display (backlit for night operation)
- No mechanical hookup required
- Compact size: 2.5" x 2.5" x 3.65"

P/N R-1   **$579**

FP-5L FUEL COMPUTER

FP-5L is a highly accurate Fuel Computer with display of GPH, fuel used, fuel remaining, time to empty, and when connected to a GPS-fuel needed to destination, and fuel reserve. Two programmable fuel alarms, and options to display in nautical or statute miles, and gallons or liters.

P/N FP-5L/FT60	Fuel Computer w/Standard Flow Transducer	**$598**
P/N FP-5L/FT90	Fuel Computer w/Gravity Flow Transducer	**$598**

SINGLE CHANNEL EGT OR CHT KIT

The E-1 (EGT) and C-1 (CHT) are single cylinder temp STC'd indicators that are accurate to 1' and include the appropriate probe and harness. The indicator fits a standard 2.25" hole and is only 2.5" deep. The large sunlight readable display is also back-lighted for night use. The E-1P and C-1P are certified primary replacement For OEM EGT/CHT.

P/N E-1 EGT	**$349**
P/N E-1P EGT	**$395**
P/N C-1 CHT	**$349**
P/N C-1P CHT	**$395**

PRIMARY REPLACEMENT CHT AND EGT (OR PRIMARY TIT)

With Over-Temp Lights, 3.125" Mount, 2.5" Depth, 1.25 lbs. Kit, STC'd, TSO'd, PMA'd, 1°F Resolution.

P/N EC-1P	**$659**	**P/N EAC-1**	**$519**
P/N TC-1P	**$659**	**P/N VA-1A**	**$399**
P/N SC-5	**$349**		

4-CYLINDER SYSTEM

2.25" Mount, 2.5" Depth, 12 oz. Kit, STC'd, TSO'd, PMA'd, 1°F Resolution, 1/2% Accuracy, Viewable in direct sunlight, Backlit, Operates from 7.5 to 35 volts at .1 amp. Has rotary switch to select desired cylinders.

P/N E-4	**$699**
P/N C-4	**$699**

SUPER CLOCK

Displays local time or Zulu time. Displays an Up Timer or Down Timer that can be stopped, started and reset. Recurring alarm may be set to alert you of set time intervals. Displays Engine Timer. 10 year lithium battery.

P/N SC-5   **$359**

SINGLE CHANNEL EGT/OAT/CHT KIT WITH ICE ZONE WARNING LIGHT

1°F Resolution, 1/2% Accuracy, STC'd, TSO'd, PMA'd. Pkg. Includes: Unit, 3 ea. 6' Cables, 1 ea. EGT probe, 1 ea. OAT Probe, 1 ea. CHT Probe.

P/N EAC-1   **$529**

DIGITAL FUEL QUANTITY INDICATOR (FOR USE ON HOMEBUILT AIRCRAFT ONLY)

Analog Displays give primary fuel quantity in L/R wing tanks, Digital Display of total fuel, (in 1 gallon increments), in L/R and both tank totals, Digital Display can be programmed to show gallons, British gallons, pounds or liters. Warnings for: 1/4 Tank Difference, 1/4 Tank Warning, (Yellow LED), and 1/8 Tank Low Fuel Warning, (Red LED). 2.25" Mount, 3.65" Depth, 10 oz. Viewable in direct sunlight, Backlit, Operates from 7.5 to 35 Volts at .3 amps.

P/N FL-2R	**$495**
P/N FL-2C	**$495**

VOLT-AMMETER PRIMARY REPLACEMENT VOLT/AMP INSTRUMENT

Discharge & High Voltage Warning Lights, 100 amp capability, .1 volt & .1 amp Resolution, 1% Accuracy, 2.25" Mount, 2.5" Depth, 9 oz., Viewable in direct sunlight, Backlit, Operates from 7.0 to 40 volts at .1 amp. 50 amp (up to 100 amp), or 300 amp.

P/N VA-1A		**$415**
P/N S-50	50 amp External Shunt	**$40**
P/N S-300	300 amp External Shunt	**$50**

EDM-900 SINGLE ENGINE MONITOR

The EDM-900 is certified as a primary replacement for the existing analog engine gauges including fuel quantity (optional) and provides a full color engine display. The display fits in a standard 3 1/8" instrument hole and the system includes all probes, sensors, and transducers for RPM, Manifold Pressure, EGT/CHT, Oil Temp and Pressure, Fuel Pressure, Fuel Flow, OAT, and Volts/Amps. Standard JPI features include data loading/memory, shock cooling warning, Lean Find, and percent horsepower. EDM-900 can mount/display vertical or horizontal and bezel size is 3.1" x 4".

P/N EDM-900-4CP-0	4 Cylinder System	$5150
P/N EDM-900-4CP-2	4 Cylinder System-2 Fuel Quantity	$2390
P/N EDM-900-4CP-4	4 Cylinder System-4 Fuel Quantity	$5750
P/N EDM-900-6CP-0	6 Cylinder System	$5620
P/N EDM-900-6CP-2	6 Cylinder System-2 Fuel Quantity	$5850
P/N EDM-900-6CP-4	6 Cylinder System-4 Fuel Quantity	$6120

EDM-790 TWIN ENGINE MONITOR

The EDM-790 system is the most advanced and accurate twin piston engine-monitoring instrument on the market. TSO'd for quality, the EDM-790 is not just another black box along for the ride. It is a Flight Engineer, a Maintenance Engineer, and Engine Manager. It's always there, working in the background, monitoring your engine parameters three times a second, and will warn you instantly if there is any temperature or function that deviates from the programmed limit. EDM-790 will continually monitor all cylinders for EGT and CHT, plus aircraft voltage and shock cooling warning. Optional functions include Oil Temperature, OAT, T.I.T., Carb Tem, and fuel computer showing fuel flow (GPH), gallons used, gallons remaining, and time to empty. All of these functions are automatically recorded internally and then can easily be downloaded onto memory for you to record.

P/N EDM-790-4C	4 Cylinder System	$4150
P/N EDM-790-6C	6 Cylinder System	$5360
Internal Fuel Computer Option w/ Transducers		**$1210**

EDM-930 SINGLE ENGINE MONITOR

The EDM-930 is certified as a primary flight instrument, meaning that with the 930 on board, you can remove many of your old engine gauges, and open up valuable space in your panel. The bright 6.25" diagonal VGA display is always sunlight readable and self-dimming. All engine parameters are programmable to the specific aircraft and the built-in alarm will alert you if any engine function is out of normal parameter. JPI's exclusive LeanFind mode automatically identifies the first and last cylinder to peak for optimum mixture settings and fuel economy, plus extended engine life. Functions include RPM and Manifold Pressure displayed in recognizable arcs, while EGT, CHT, % Horsepower, Fuel Pressure, Oil Pressure, Oil Temperature, Volts and AMPS are shown in familiar graphic bar form, plus all of these functions are shown digitally as well. Other standard features include OAT, Fuel Flow Computer, and up to 30 hours engine data recording. EDM-930 optional functions include primary replacement Fuel Quantity, either Carb Temp or Induction Air Temp, and Turbine Inlet temp.

P/N EDM-930-4CP-0	4 Cylinder System	$6895
P/N EDM-930-4CP-2	4 Cylinder System-2 Fuel Quantity	$7150
P/N EDM-930-4CP-4	4 Cylinder System-4 Fuel Quantity	$7390
P/N EDM-930-6CP-0	6 Cylinder System	$7250
P/N EDM-930-6CP-2	6 Cylinder System-2 Fuel Quantity	$7490
P/N EDM-930-6CP-4	6 Cylinder System-4 Fuel Quantity	$7740

EDM-960 TWIN ENGINE MONITOR

The EDM-960 is certified as a primary replacement for the analog engine "steam gauges" in most twin engine aircraft and it displays all of your engine instruments are on one high definition 6.25" diagonal VGA screen. All programming is from the front panel using two simple buttons and the EDM-960 will warn you instantly if any measurement exceeds the programmed limit. Leaning is accomplished quickly and automatically using JPI's LeanFind™ procedure. Other functions include Fuel Flow Computer, OAT, RPM and Manifold Pressure displayed in recognizable dual needle arcs, while EGT, CHT, % Horsepower, Fuel Pressure, Oil Pressure, Oil Temperature, Volts and AMPS are shown in familiar graphic bar form, plus all of these functions are shown digitally as well. EDM-960 optional functions include primary replacement Fuel Quantity, either Carb Temp or Induction Air Temp, and Turbine Inlet Temp.

P/N EDM-960-4CP-0	4 Cylinder Twin System	$13,150
P/N EDM-960-4CP-2	4 Cylinder Twin System-2 Fuel Quantity	$13,550
P/N EDM-960-4CP-4	4 Cylinder Twin System-4 Fuel Quantity	$14,450
P/N EDM-960-6CP-0	6 Cylinder Twin System	$14,490
P/N EDM-960-6CP-2	6 Cylinder Twin System-2 Fuel Quantity	$16,695
P/N EDM-960-6CP-4	6 Cylinder Twin System-4 Fuel Quantity	$16,010

EDM-730/EDM-830 COLOR ENGINE MONITOR

Featuring full color displays, the EDM-730 and EDM-830 can instantly monitor the performance and health of your engine at a glance. Both systems include all cylinders EGT/CHT, and battery voltage, while the EDM-830 adds RPM, Manifold Pressure, % Horsepower, and Fuel Computer as standard features. Both displays can be mounted in portrait or landscape in a standard 3 1/8" instrument hole. EGT/CHT is presented in large colored graph as well as digitally, and tape/slide display for other temps and pressure are easily displayed. Familiar arc RPM and Manifold Pressure presentations complete this all color display. EDM-730/830 automatically finds first EGT to peak, monitors shock cooling, and has internal data storage for engine performance and trends for later download. EDM-730/830 also has the option of replacing the factory installed analog CHT gauges.

EDM-730-4C	4 Cylinder System	$1740
EDM-730-6C	6 Cylinder System	$2450
EDM-730-9C	9 Cylinder Radial Engine System	$2895
EDM-830-4C	4 Cylinder System w/Fuel Flow, RPM, Man Press & OAT	$2850
EDM-830-6C	6 Cylinder System w/Fuel Flow, RPM, Man Press & OAT	$3120
EDM-830-9C	9 Cylinder Radial Engine System	$3910

Fuel Computer Option w/Transducer (EDM-730) For Cont./Lyc	$475
Temperature Options: Oil Temp, Carrb Temp, OAT, TIT	$175 Each
Primary CHT Replacement	$320

FS-450 FUEL COMPUTER

The FS-450 Fuel Computer fits a 2 ¼" hole and features two digital displays providing continuous display of fuel flow (gallons or pounds) in the top window, and either auto scam or manual selection of Fuel Used, Fuel Remaining, and Time-to-Empty in the bottom window. When interfaced with a GPS you will also see Fuel Needed to Destination and Fuel Reserve. FS-450M is the least expensive twin engine fuel computer on the market and fits a standard 3 1/8" hole. You'll see fuel flow for both engine simultaneously, with a third window for Fuel Remaining, Used, and Time-to-Empty. Systems are TSO'd/ STC'd, and include flow transducer, and harness.

P/N FS-450P	Fuel Computer-Pressure/Injected Engines	$559
P/N FS-450G	Fuel Flow-Gravity Feed System	$559
P/N FS-450M	Twin Engine Fuel Computer w/Transducers	$1059

EDM-350 ENGINE MONITOR-EXPERIMENTAL AIRCRAFT

This compact color engine monitor designed for experimental aircraft fits a standard 3 1/8" instrument hole comes standard with all cylinders of EGT and CHT and has, full customization features, with legendary JPI quality and accuracy. Option includes RPM, Manifold Pressure, Fuel Flow, Oil Temp and Pressure, Fuel Pressure, Fuel Quantity L & R, and much more. EDM-350 is the most cost effective, reliable piston engine experimental EDM instrument on the market.

P/N EDM-350-4C	4-Cyl EGT/CHT	$1069
P/N EDM-350-6C	6-Cyl EGT/CHT	$1289
P/N EDM-350 Options	Software For Adiitional Functions	$180
P/N 420815-X	Tach Sensor (Specify Bendix/Slick)	$265
P/N 604010	Manifold Pressure Sensor	$265
P/N 400505	Oil Temp Probe	$170
P/N 306018	Oil Pressure Sensor	$265

Call For More Temp/Pressure Options

CIES DIGITAL FUEL QUANTITY PROBES

Since 2012, CiES has lead the industry in magnetic field fuel quantity for an all-new type of fuel quantity measurement for aviation. This technology incorporates a non-contact fuel measurement principle, allowing for a truly intrinsically safe fuel quantity system in aircraft. The CiES digital fuel quantity system utilizes a high technology sensor system that allows repeatable accurate measurement of fuel in aircraft tank. This high technology and patented sensor system allows fuel measurements with accuracy within 1% and a change in fuel level to less than 0.03 of an inch.

CiES digital fuel quantity probes are designed to work with the standard analog fuel quantity indicators for increased fuel quantity accuracy, but they excel when used with current certified and experimental modern glass EFIS type displays. CiES senders are compatible with systems from Garmin, JP Instruments, Electronics International, Dynon Avionics, and others to make individual tank fuel quantity indication easy and accurate.

In addition to accuracy, CiES fuel quantity probes are built with reliability in mind. These probes exceed 90,000 hours mean-time-to-failure making them the most reliable systems in aviation. Once you have installed magnetic field fuel sensing, your fuel level sensing problems will be solved. CiES makes a wide variety of incredibly accurate digital fuel quantity senders and pricing will depend on type aircraft, number of fuel tanks, and the type of indicator. Please call for pricing for your application.

P/N C18X-WWF	Cessna 182 Kit	$1250
P/N C210F	Cessna 210 Kit	$1250
P/N PCH-2F	Piper PA-28 Kit	$2500
P/N PCH-4F	Piper PA-32 Kit	$2500
P/N B40-F	V35 Bonanza Kit	$2500
P/N FGJK-F	Mooney C-E Kit	$1250

WHELEN

Whelen Engineering has been a leader in aircraft lighting for decades, and their new series of LED lighting are time and field- tested for reliability and long-life performance under tough conditions required by Fire and Law Enforcement professionals around the world. Whelen aircraft lighting systems are designed to easily replace your existing legacy incandescent, xenon, or halogen lighting.

Parmetheus G3

Orion 600

Orion 650

Tail Position

Anti-Collision

PARMETHEUS LANDING & TAXI LIGHTS

The Parmetheus series provides a new level of performance and reliability, and provide a variety of upgrade choices.

P/N P36G3T	Parmetheus G3 14/28v Taxi Light	$299
P/N 46P1L	PAR46 14v Landing Light	$295
P/N 46PRO	Parmetheus Plus Lighting Light	$599
P/N OR36R1N	Red Anti-Collision 14v 3.75" Base	$620
P/N OR36R2W	Red Anti-Collision 28v 3.75" Base	$620
P/N OR36S1N	Red/White Anti-Collision 14v 3.75"	$620
P/N OR36S2W	Red/White Anti-Collision 28v 3.75"	$620
P/N A500AV14	Tail Strobe/Position 14v/Vertical	$501
P/N A500AV28	Tail Strobe/Position 28v/Horizontal	$501
P/N OR5001V	Tail Position Light 14v/Vertical	$475
P/N OR5002V	Tail Position Light 28v/Vertical	$475

ORION NAV/STROBE & POSITION LIGHTS

The Orion series is the latest state-of-the art LED technology available either as an all-inclusive package, or individual units.

P/N OR6001R	Orion 600 14v Nav/Strobe-Red	$570
P/N OR6002G	Orion 600 28V Nav/Strobe-Green	$570
P/N OR6002R	Orion 600 28V Nav/Strobe-Red	$570
P/N A650PG1	Nav/Strobe 14v-Green	$685
P/N A650PR1	Nav/Strobe 14v-Red	$685
P/N A650PG2	Nav/Strobe 28v-Green	$685
P/N A650PR2	Nav/Strobe 28v-Red	$685
P/N 6501G	Orion 650 Nav/Strobe 14v-Green	$509
P/N 6501R	Orion 650 Nav/Strobe 14v-Red	$509
P/N 6502G	Orion 650 Nav/Strobe 28v-Green	$509
P/N 6502R	Orion 650 Nav/Strobe 28v-Red	$509

AEROLEDS

AeroLEDs state-of-the-art LED lighting products are designed to replace aircraft legacy lighting systems and virtually eliminate bulb replacements as they are rated for 30,000+ hours MTBF. AeroLEDs consume minimal power yet produce substantially more light output for a clear edge-to-edge view of the runway/taxiway. Known for their **SIGNATURE INTEGRATED PULSE FEATURE**, AeroLEDs aims to reduce bird strikes and increase aircraft recognition for collision avoidance with other aircraft. AeroLEDs serves every spectrum of the worldwide aviation market, **both certified and experimental**, for safer and more reliable flying.

LANDING & TAXI LIGHTS

P/N 01-1030-L-A	45w SunSpot 36 LXi 9-30V Landing	$249
P/N 01-1030-4509	75w SunSpot 36-4509 12V Landing	$349
P/N 01-1030-4591	75w SunSpot 36-4591 24V Landing	$400
P/N 01-1030-4509-H	75w SunSpot 36-4509-H 12V Landing w/pulse	$349
P/N 01-1030-4591-H	75w SunSpot 36-4591-H 24V Landing w/pulse	$400
P/N 01-1030-4313	100w SunSpot 36-4313 12V Landing	$650
P/N 01-1030-4314	100W SunSpot 36-4314 12V Taxi	$650
P/N 01-1030-4313-H	100w SunSpot 36-4313-H 12V Landing w/pulse	$700
P/N 01-1030-4314-H	100w SunSpot 36-4314-H 12V Taxi w/pulse	$700
P/N 01-1030-LT-12	100w SunSpot 36 EQUINOX 12V Dual Landing/Taxi w/pulse	$850
P/N 01-1030-4596	100w SunSpot 36-4596 24V Landing	$650
P/N 01-1030-4587	100w SunSpot 36-4587 24V Taxi	$650
P/N 01-1030-4596-H	100w SunSpot 36-4596-H 24V Landing w/pulse	$700
P/N 01-1030-4587-H	100w SunSpot 36-4587-H 24V Taxi w/pulse	$700
P/N 01-1030-LT-24	100w SunSpot 36 EQUINOX 24V Dual Landing/Taxi w/pulse	$850
P/N 01-2130-LX	85w SunSpot 46 LX 9-30V Landing	$650
P/N 01-2130-HX	85w SunSpot 46 HX 9-30V Landing w/pulse	$750
P/N 01-2230-4522	140w SunSpot 46-4522 12V Landing	$750
P/N 01-2230-4522-H	140w SunSpot 46-4522-H 12V Landing w/pulse	$800
P/N 01-2230-4580	175w SunSpot 46-4580 24V Landing	$850
P/N 01-2230-4554	175w SunSpot 46-4554 24V Taxi	$850
P/N 01-2230-4580-H	175w SunSpot 46-4580-H 24V Landing w/pulse	$900
P/N 01-2230-4554-H	175w SunSpot 46-4554-H 24V Taxi w/pulse	$900
P/N 01-2250-4559	200w SunSpot 64-4559 24V Landing	$1,650
P/N 90-1000-12	SunBeam 12V Landing w/pulse	$395
P/N 90-1000-24	SunBeam 24V Landing w/pulse	$395
P/N 01-2120	AeroSun (Experimental)	$325
P/N 01-2500	AeroSun Vx (Experimental)	$895/pair
P/N 01-1170	MicroSun (Experimental)	$350
P/N 01-1170-A	MicroSun External Mount (Experimental)	$350
P/N 01-1150	SunRay (Experimental)	$295
P/N 01-7079-24	StarLight 24V Ice Light	$245ea

Pulsar Series

Sunspot PAR36

Sunspot PAR46

Sunbeacon

Suntail

NAV/STROBE/POSITION LIGHTS

P/N 11-1100-12	Pulsar (pair) 12V Navigation, Strobe, Position	$1,250/pair
P/N 11-1100-24	Pulsar (pair) 24V Navigation, Strobe, Position	$1,250/pair
P/N 11-1280-A-12	Pulsar N (pair) 12V Navigation	$695/pair
P/N 11-1280-A-24	Pulsar N (pair) 24V Navigation	$695/pair
P/N 11-1280-B-12	Pulsar NS (pair) 12V Navigation, Strobe	$1,150/pair
P/N 11-1280-B-24	Pulsar NS (pair) 24V Navigation, Strobe	$1,150/pair
P/N 11-1280-C-12	Pulsar NSP (pair) 12V Navigation, Strobe, Position	$1,195/pair
P/N 11-1280-C-24	Pulsar NSP (pair) 24V Navigation, Strobe, Position	$1,195/pair
01-1100-12	Pulsar (pair experimental) 12V Navigation, Strobe, Position	$995/pair
01-1280-B-12	Pulsar NS (pair exp) 12V Navigation, Strobe	$895/pair
01-1280-B-24	Pulsar NS (pair exp) 24V Navigation, Strobe	$895/pair
01-1280-C-12	Pulsar NSP (pair exp) 12V Navigation, Strobe, Position	$929/pair
01-1280-C-24	Pulsar NSP (pair exp) 24V Navigation, Strobe, Position	$929/pair
11-7512-12	Polaris 12V Navigation Bulb	$124.95ea
11-7512-24	Polaris 24V Navigation Bulb	$124.95ea
11-1260-12	SunTail 12V Strobe, Position	$495
11-1260-24	SunTail 24V Strobe, Position	$495
01-1260-12	SunTail (exp) 12V Strobe, Position	$395
01-1260-24	SunTail (exp) 24V Strobe, Position	$395
11-2200-A-12	SunBeacon II (red)	$695
11-2200-A-24	SunBeacon II (red)	$695
11-2200-B-12	SunBeacon II (white)	$695
11-2200-B-24	SunBeacon II (white)	$695

rc allen
instruments

RC ALLEN DIGITAL ATTITUDE INDICATORS

The Mini6 indicator is the newest addition to RC Allen's ground-breaking line of digital instruments. It offers all the instrumentation of a traditional Six Pack in one clean, customizable and easy to read presentation. The fully certified, easy to install indicator comes equipped with an internal battery backup providing an exceptional level of redundancy to any application. The Mini6 displays attitude, airspeed, altimeter, VS, and ground track (with GPS interface) and panel tilt is user configurable. *Available in 2 1/4" and 3 1/8"*

The RCA1510 electronic directional gyro utilizes information from an internal magnetometer and GPS data through an RS232 input. The display has multiple options which can show the Magnetic Heading or GPS Ground Track individually or both simultaneously. The internal back-up battery provides up to three hours of power.

P/N 102-0403-15-17	Mini6 EFIS	**$2195**
P/N RCA1510-3	Digital Heading Indicator	**$2195**

AVIONICS COAST-TO-COAST
ORDER ONLINE
FAST · EASY · SECURE
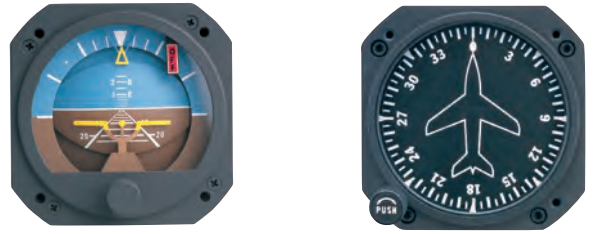
VACUUM HORIZONS

P/N RCA22-7	RC Allen Horizon	**$945**
P/N RCA22-7F	RC Allen Horizon w/Warning Flag	**$1059**
P/N RCA22-11	RC Allen Horizon – Lighted	**$1059**

VACUUM DIRECTIONAL GYROS

P/N RCA11A-8	RC Allen DG	**$945**
P/N RCA11A-8F	RC Allen DG w/Warning Flag	**$1059**

ELECTRIC HORIZONS

P/N RCA26EK-11	RC Allen Fixed Pointer (11-33v)	**$2295**
P/N RCA26EK-12	RC Allen Fixed Pointer – Lighted (11-33v)	**$2350**
P/N RCA26EK-13	RC Allen Movable Pointer (11-33v)	**$2250**
P/N RCA26EK-14	RC Allen Movable Pointer – Lighted (11-33v)	**$2350**

ELECTRIC DIRECTIONAL GYROS

P/N RCA15EK-2	RC Allen DG (11-33v)	**$2295**
P/N RCA15EK-1	RC Allen DG-Lighted (11-33v)	**$2350**

MidContinent®
INSTRUMENTS+AVIONICS

MD-302 SAM™ 2-INCH STANDBY ATTITUDE MODULE

SAM™ is the first digital, standby attitude, airspeed and altitude module with a unique two-screen display that is an alternative to analog instrument back-ups for EFIS installations. Entirely self-contained, SAM is a solid-state instrument that provides attitude, altitude, airspeed and slip information in either a horizontal or vertical format, during normal operation or in the case of primary instrument failure. SAM features a rechargeable lithium-ion battery that provides up to one hour of operation in the event of aircraft electrical power failure. SAM has no remote boxes, is easily installed, and can be user programmed to the specific aircraft parameters.

Size: 2.4" x 5.5"   Weight: 1.6 lbs

P/N 6420302-1	MD302 Standby Attitude Module	**$8590**

ALTITUDE ENCODERS

Size: 5.5" x 2.5" x 1.5"
Weight: .5 lbs.

ACK A-30

The ACK Technologies A30 is FAA TSO C-88A approved and one of the lightest, most compact encoders available. The A30.5 is a grey code Encoder certified to 30,000 feet, while the A30.9 has two RS-232 output for better interfaces to modern digital avionics, and is certified to 42,000 feet. Both models operate in either 14v or 28v aircraft, and weigh less than 6 ounces. A30's come with mounting tray, connector with 4 foot wiring harness, pitot/static fittings and tubing.

P/N A-30.5	30K Altitude Encoder	**$209**
P/N A-30.9	30K Altitude Encoder w/ RS-232 Output	**$249**

Size: 3.42" x 2.5" x 1.37"
Weight: 5.9 oz.

TRANS-CAL SSD-120N

The Trans-Cal SSD-120N is an all solid state encoder that is TSO C-88a and certified to 30,000 feet. It is compatible with all transponders and is a pin-for-pin replacement for most other manufacturers encoders, plus it is available with an optional adapter plate that will allow the installer to mount the unit in another manufacturers mounting tray. The SSD-120N-RS232 model has an additional 9-pin serial data port for interfacing altitude data to other avionics.

P/N SSD-120N	Altitude Encoder	**$279**
P/N SSD-120N/RS232	Altitude Encoder w/RS232 Output	**$509**
P/N 103036	Adapter Plate D 120-P2-T	**$29.95**

ALTIMETERS

UNITED INSTRUMENTS

Fully TSO'd to current specifications. Available in the following configurations:

P/N	Range/Dial	Price
5934P-3	20,000 ft./Inches	$1595
5934PM-3	20,000 ft./Millibars	$1595
5934PD-3	20,000 ft./In. & Mb.	$1795
5934PAD-3	35,000 ft./In. & Mb.	$1795
5934PA-3	35,000 ft./Inches	$1775
5934PAM-3	35,000 ft./Millibars	$1775
INTERNAL LIGHTING (specify voltage)		$235

U.M.A. INSTRUMENTS

Non-TSO'd single pointer altimeters in ranges: 0 – 10,000 ft. & 0 – 20,000 ft.

3-1/8" SIZE:

P/N	Range/Dial Markings	Price
5-300-10	0 – 20,000 ft./B & W	$239
5-300-41	0 – 10,000 ft./B & W Millibar	$239
5-300-42	0 – 20,000 ft./B & W Millibar	$259

2-1/4" SIZE:

P/N	Range/Dial Markings	Price
5-410-20	0 – 20,000 ft./w/ Baro Dial	$459
5-411-20	0 – 20,000 ft./w/ Millibar	$489

Manufactured in the USA.

VERTICAL SPEED INDICATORS

UNITED INSTRUMENTS

These precision TSO'd VSI's provide accurate indication of rate of change. Zero adjust screw.

3-1/8" SIZE:

P/N	Vertical Speed Ranges	Price
7000-C31	0-2000 FPM	$895
7030	0-3000 FPM	$895
7040	0-4000 FPM	$895
7060	0-6000 FPM	$1495

Internal lighting available as an option (specify voltage)

U.M.A. INSTRUMENTS

UMA offers a range of both certified and non-TSO'd Vertical Speed Indicators.

P/N	Description	Price
T8-310-20	TSO 2000 FT VSI	$549
T8-310-30	TSO 3000 FT VSI	$549
T8-210-20	TSO 2 1/4" 2000 FT VSI	$729
8-310-20	non-TSO 2000 FT VSI	$319
8-310-30	non-TSO 3000 FT VSI	$319
8-310-40	non-TSO 4000 FT VSI	$399
8210-20	2 ¼" 2000FT VSI	$429

AIRSPEED INDICATORS

We offer a variety of Airspeed Indicators and True Airspeed Indicators for LSA/Experimental and certified aircraft. TSO'd Airspeeds from United Instruments and UMA Instruments are available in MPH, knots, or both, and have internal lighting options. UMA Instruments also makes a full line of non-TSO'd Airspeed in both standard 3 1/8" and 2 1/4" sizes and they can be range marked to your specifications. Please call to get the best airspeed for your aircraft.

TURN INDICATORS

TURN COORDINATOR   **TURN-N-BANK**

Turn Indicators with power out warning indicator. 14 or 28V operation. Lighted available.

Electric Gyro Corporation – TSO'd:

P/N 1394T100-7B	Turn Coordinator	$985
P/N 1394T100-3B	Lighted Turn Coordinator	$1285
P/N 1234T100-7TZ	Turn-n-Bank Indicator	$985

Connector for Turn Indicators:

P/N MS3106A-10SL-3S	Connector	$39

MITCHELL TACHOMETERS

TSO'd to FAA Specs. Two Year Warranty.

P/N D1-112-5023	RT-7	$259
P/N D1-112-5025	RT-11	$2549
P/N D1-112-5223	RT-7-2	$279
P/N D1-112-5225	RT-11-2	$279

3-1/8" Tach Hour

OTHER TYPES AVAILABLE – CALL / SPECIFY ENGINE TYPE

Range Marks		$59

VERTICAL CARD COMPASSES

P/N PAI-700-14V	Lighted TSO Vertical Card Compass	$485
P/N PAI-700-28V	Lighted TSO Vertical Card Compass	$485

PAI-700 MOUNTS

P/N PACMG-2	Glare Shield Mount	$50
P/N PACMO-CESNO2	Cessna-All Single Engine	$100
P/N PACMO-PIPERN	Piper-All Single Engine	$65

RAY ALLEN TRIM SYSTEMS/STICK GRIPS

Ray Allen Trim Systems are quality, electrically operated servo systems, designed for use on experimental aircraft.

Trim Indicators   **Trim System**   **Stick Grip**

P/N	DESCRIPTION	PRICE
T2-7A	TRIM MOTOR w/ .7" (17 mm) Travel Servo	$235
T2-10A	TRIM MOTOR w/ 1.0" (26 mm) Travel Servo	$235
T3-12A	TRIM MOTOR w/ 1.2" (31 mm) Travel Servo	$275
G101	STICK GRIP w/ 1 PTT	$65
G205	STICK GRIP w/ 1 PTT & 4 Pushbutton Switches	$185
G207	STICK GRIP w/ 1 PTT & 6 Pushbutton Switches	$149
G307	STICK GRIP w/ 1 PTT + Trim & 4 Pushbutton Switches	$255
RS2	ROCKER SWITCH	$69
RP4	LED TRIM INDICATOR	$175

TOSTEN STICK GRIPS

Tosten stick grips are manufactured from high-impact glass filled nylon allowing a unique form-fitting "soft touch" design that fits comfortably in either hand. Choose two, four, six, or up to eight functions with the standard grip, or customize your own left-hand or right-hand military style grip. The grips are pre-wired and have a 7/16" stainless steel shaft with custom machine bushings to fit any diameter stick.

CS-8ST   **CS-MS3**

P/N		PRICE
P/N CS-2ST	Two-Function Stick Grip	$131.95
P/N CS-4ST	Four-Function Stick Grip	$149.95
P/N CS-6ST	Six-Function Stick Grip	$159.95
P/N CS-8ST	Eight-Function Stick Grip	$169.95
P/N CS-MS3	P/N CS-MS3 Military Style Stick Grip (Specify RH or LH When Ordering)	$187.95

VERTICAL POWER

VP-X SYSTEM

Vertical Power offers a new way to wire and fly your experimental aircraft. Rather than rows of circuit breakers and a mess of wiring behind the panel, VP-X is wired directly to each electrical device or function, and then integrates with many of the popular EFIS systems to monitor and control your entire electrical system on the EFIS display. Electronic circuit breakers are fully configurable so you can set the circuit breaker value for each ECB, and then assign which switch controls the ECB. Instead of large knobs or switches on the panel for flap, trim, or landing gear, those can be controlled with switches on the stick grip.

The VP-X Sport can control up to 19 electrical functions, while VPX Pro can control up to 27 electrical functions plus DualBuss™ technology that divides avionics and other electrical loads between two power busses, providing redundancy. PPS (Primary Power System) combines the functions of multiple high-current, electro-mechanical components into a single, solid-state device that installs in minutes with plug-and-play simplicity.

P/N VP-X Sport	Electronic Circuit Breaker System	$1589
P/N VP-X PRO	Electronic Circuit Breaker System	$2250
P/N VP-X Sport-WH	Connector w/Wiring Harness	$585
P/N VP-X PRO-WH	Connector w/Wiring Harness	$650
P/N VP-PPS	Primary Power System	$1595

FLIGHT DATA SYSTEMS

GT-50 G METER/CHRONOMETER

The GT-50 is an LCD digital G-Meter, chronometer, timer, voltmeter, and outside air temperature(optional). The G-Meter displays and records up to +12/-10 G loads and fits a standard 2 ½" hole. GT-50 is approved for use in certified aircraft as well as experimental, and it is also available with a single USB port built into the face to easy power your cockpit devices.

P/N GT-50	G-Meter/Chronometer	$174
P/N GT-50/OAT	OAT Probe	$29

T-30 DIGITAL TACHOMETER

The 2 ¼" T-30 Digital Tachometer has a bright LCD digital display. T-30 monitors both left and right ignition systems or an electronic ignition. It also automatically records flight time and can save engine hours in "tach time" or actual time. T-30 is 1.4/28V and includes prewired connector.
Experimental aircraft only

T-30	Digital Tachometer	$174

FC-10 DIGITAL FUEL COMPUTER

The 2 ¼" FC-10 Fuel Computer includes the flow transducer that records 0.6 to 70GPH, and includes a prewired a 14/28v wiring harness. It's bright LCD display shows GPH, gallons used, gallons remaining, and time-to-empty. When interfaced to a GPS, it will also display gallons needed, and gallon reserve, and can be configured for gallons or liters.
Experimental aircraft only

P/N FC-10	Digital Fuel Computer	$389

DAVTRON INSTRUMENTS

800 CHRONOMETER

Provides local time, GMT, Elapsed Time and Countdown.

P/N 800-14V	$235	P/N 800-28V	$235
P/N 800-14/BAT	$235	P/N 800-28/BAT	$235
P/N 877-14V	$535	P/N 877-28V	$535
P/N B800-28V	Beech Yoke		$235
P/N 800-14/NVG	Night Vision		$100

811B CHRONOMETER

Has two LED displays with Time for Local, GMT, Elapsed, and Flight Timer.

P/N 811B-24	$665

803 CHRONOMETER

Provides Local, GMT, Elapsed, and Flight Timer plus Outside Air Temp and Battery Volts.

P/N 803-14V	$495	P/N 803-28V	$495

NULITE WEDGES

NULITE instrument lighting creates the same lighting appearance as internal lighting, at a fraction of the cost. Sandwiched between the panel and instrument face, they reduce glare and heat by focusing 60% of the light on the upper half of the instrument. No special tools are needed and NULITES can be installed in a matter of minutes. Available in 3 1/8" for 2 1/4", and 14v or 28v.

P/N LW2014	14V Light Ring 2 1/4"	$77.95
P/N LW2028	28V Light Ring 3 1/8"	$77.95
P/N LW3014	14V Light Ring 3 1/8" (No Cut-Out)	$77.95
P/N LW3028	28V Light Ring 3 1/8" (No Cut-Out)	$77.95
P/N LW3014A	14V Light Ring 3 1/8" (Left Cut-Out)	$77.95
P/N LW3028A	28V Light Ring 3 1/8" (Left Cut-Out)	$77.95
P/N LW3014AA	14V Light Ring 3 1/8" (ALT. Cut-Out)	$77.95
P/N LW3028AA	28V Light Ring 3 1/8" (ALT. Cut-Out)	$77.95
P/N LW3014V	14V Light Ring 3 1/8" (VSI Cut-Out)	$77.95
P/N LW3028V	28V Light Ring 3 1/8" (VSI Cut-Out)	$77.95

AEROSPORT AEROVENTS

Aerosport Products offers two versions of swivel air vents for experimental aircraft. The metal vents are precision machined from 6061 aluminum, and are available in either a black or clear anodized finish. The durable high impact black plastic swivel vents are an economic alternative and also have a 1" opening. Both vent versions come with a choice of the 2" scat tube nut or a ring nut. Easily mounts in a 2 ¼" hole and have a 1.20" air outlet.

P/N RV10057	Black Vent w/Scat Adapter	$119
P/N RV10058	Black Vent w/Nut Ring	$119
P/N RV10059	Clear Vent w/Scat Adapter	$119
P/N RV10060	Clear Vent w/Nut Ring	$119
P/N RV10061	Standard Round Plastic Vent	$49
P/N RV10062	Square Mount Plastic Vent	$52

ELECTRICAL WIRE

Tefzel hook-up wire MIL 22759/16 is the standard in the aviation industry for installation of electronics equipment.

TEFZEL WIRE MIL 22759/16

GAUGE	P/N	(-100) 100' ROLL	(-250) 250' ROLL
18	22759/16-18-XX	$18.00	$42.00
20	22759/16-20-XX	$18.00	$42.00
22	22759/16-22-XX	$15.00	$32.00
24	22759/16-24-XX	$12.00	$27.00

Colored wire available in 100 ft. Roll in different gauges. Call for pricing and availability.

SHIELDED TEFZEL WIRE MIL 27500/18

GAUGE	CONDUCTORS	P/N	(-100) 100' ROLL	(-250) 250' ROLL
20	1	27500/18-20-1-XXX	$35.00	$81.00
20	2	27500/18-20-2-XXX	$49.00	$120.00
22	1	27500/18-22-1-XXX	$31.00	$82.00
22	2	27500/18-22-2-XXX	$37.00	$92.00
22	3	27500/18-22-3-XXX	$57.00	$132.00
22	4	27500/18-22-4-XXX	$75.00	$140.00

SWITCHES/CIRCUIT BREAKERS

7274 SERIES

P/N	AMP	PRICE
7274-2-1	1	$21.95
7274-2-1.5	1.5	$21.95
7274-2-2	2	$21.95
7274-2-2.5	2.5	$21.95
7274-2-3	3	$21.95
7274-2-4	4	$21.95
7274-2-5	5	$21.95
7274-2-7.5	7.5	$21.95
7274-2-10	10	$21.95
7274-2-15	15	$21.95
7274-2-20	20	$21.95

W31-X2M1G SERIES

P/N	AMP	PRICE
W31-2	2	$44.95
W31-5	5	$39.95
W31-7.5	7.5	$39.95
W31-10	10	$39.95
W31-15	15	$39.95
W31-20	20	$39.95
W31-25	25	$39.95
W31-30	30	$39.95
W31-35	35	$39.95
W31-40	40	$39.95
W31-50	50	$39.95

ALTERNATOR BREAKERS

P/N	AMP	PRICE
700-001-25	25	$65.00
700-001-35	35	$65.00
700-001-50	50	$159.00
ETA-60	60	$109.00
ETA-70	70	$109.00

COAXIAL CABLE / COAX CONNECTORS

P/N 9-30-10	P/N 31-2-RFX	P/N 31-5-RFX
RF CONNECTOR	MALE BNC	FEMALE BNC

P/N RG-400	Solid Core Antenna Coax	$2.95/Ft.
P/N RG-142	Male UG88U BNC	$3.95/Ft.
P/N RG-58 C/U	Antenna Coax	$35/100' Roll
P/N 31-2-RFX	Male BNC/Solder	$4.00
P/N 31-5-RFX	Female BNC/Solder	$6.00
P/N 225395-6	Male BNC/Crimp	$5.00
P/N 225396-1	Female BNC/Crimp	$6.00
P/N 122372	Male Crimp TNC	$5.00
P/N 122365	90° Male TNC	$8.00
P/N 9-30-10	Tray Mount RF Antenna Connector	$20.00
P/N 310043STZD	Snap Ring to be used with 9-30-10	$2.00

RADIANT INSTRUMENTS USB

USB-C/A is designed for 14v experimental/LSA aircraft and Features dual ports (Type A and Type C) with charge rate up to 3.0 amps. USB-C/A features halo lighting around each port, and overvolt/over current and reverse battery detection, plus short circuit detection.

P/N USB-C/A   Dual USB Port   **$115.95**

LIGHTED ROCKER SWITCHES

PCA lighted rocker switches can be custom engraved to read any message. Standard messages include: Avionics Master, Pitot Heat, Strobe Lights, Landing Lights, NAV Lights, Panel Lights, High-Low Boost, and Fuel Pump. Specify voltage when ordering.

P/N PCA-LRS	DPDT ON-OFF Switch	$69.95
P/N PCA-LMS	SPDT ON-OFF Switch (Avionics Master)	$69.95
P/N PCA-LRS-2	DPDT ON-ON Switch	$69.95
P/N PCA-LRS-3	DPDT ON-ON-ON Switch	$69.95
P/N PCA-AMS	Avionics Master Switch	$109.00
P/N PCA-BULB	Switch Light Bulb	$2.95
SPADE TERMINALS		$.30

AEROSPORT LIGHTED LASER ETCHED SWITCHES

These switches come laser etched with any of the designs in predetermined list (please call for list of designs). When power is provided to the switch the upper LED of the switch will illuminate the upper part of the rocker showing the image of that switch function.

P/N ASW021	Black Laser Etchd switch	$26
P/N ASW022	Red Laser Etchd switch	$26
P/N ASW004	End Switch Mount Bracket	$4.25
P/N ASW005	Middle Switch Mount Bracket	$4.25

KEYED IGNITION SWITCHES

These fine quality switches are being used in many production aircraft such as Cessna, Schweizer, Ayers, and Air Tractor. They provide "on" and "off" electrical control of both magnetos on single engine aircraft. The key-operated switches mount from rear of panel in 7/8" diameter hole. Available with or without starter position.

P/N A-510-5   **$125**
Without Starter Position. Supplied with switch plate and two keys (diode not required).

P/N A-510-2   **$149**
With Starter Position. Supplied with switch plate and two keys (diode included).

AVIONICS COAST-TO-COAST
ORDER ONLINE
FAST • EASY • SECURE

AEROSPORT CARBON FIBER RV-7/RV-10 PANELS

The pre-cut panel include removable panel inserts that can accommodate various designs for multiple 10" EFIS displays and a standard avionics stack. The RV-10 panel have a lower center console inserts for switches and air vents, and includes lower console.

P/N RV70001	RV-7/RV-9 Panel (Tip-Up)	$945
P/N RV70002	RV-7/RV-9 Panel (Slider)	$945
P/N RV10033	RV-10 Panel w/Lower Console	$1295
P/N RV10041	RV-10 Throttle Quadrant	$220

SPLIT MASTER/ALTERNATOR SWITCH

This versatile split red master switch has been used in virtually all single engine Cessna models since 1970 and can be used in most light aircraft with single alternator systems. Left rocker normally used for alternator and right half for battery. Sold with mount.

P/N S-1994-1-1 KIT   **$49.95**

MINIATURE BAT TOGGLE SWITCHES

SPDT
P/N MTA-106D	On-None-On	$8.00
P/N MTA-106E	On-Off-On	$9.00

DPDT
P/N MTA-206N	On-None-On	$11.00
P/N MTA-206P	On-Off-On	$12.00

3PDT
P/N MTA-306D	On-None-On	$21.00
P/N MTA-306E	On-Off-On	$23.00

4PDT
P/N MTA-406N	On-None-On	$29.00
P/N MTA-406P	On-Off-On	$30.00

MINIATURE LOCKING BAT TOGGLE SWITCHES

SPDT
P/N MTL-106D	On-None-On	$13.00
P/N MTL-106E	On-Off-On	$17.00

DPDT
P/N MTL-206N	On-None-On	$16.00
P/N MTL-206P	On-Off-On	$20.00

3PDT
P/N MTL-306D	On-None-On	$29.00

4PDT
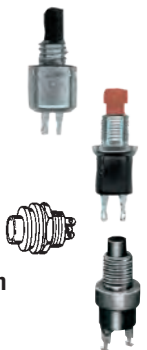| P/N MTL-406N	On-None-On	$39.00

PUSHBUTTON SWITCHES

Miniature Momentary Pushbutton
P/N R-275-1571 Normally Open **$6.95**

Momentary Pushbutton
P/N R-275-1547 Normally Open **$4.95**

Miniature Momentary Pushbutton
P/N S913   SPDT   **$8.50**
Break Before Make

Momentary Pushbutton Normally Open
P/N N-24F205	Red	$6.95
P/N N-57F2616	Black	$6.95

PACIFIC COAST AVIONICS
CUSTOM PANEL PACKAGES

Pacific Coast Avionics is one of the premier builders of kit panels worldwide. Avionics installations and panel fabrications are not a side line – it is what we do.

From avionics, EFIS systems, instruments, and all associated components, we provide professionally finished panels that are both beautiful and functional. We can take you through every step of the kit panel process; our expert staff will assist you with specifications and equipment selection; our fabrication/installation staff will deliver a high quality completed panel; and our service and support technicians will be available support technicians will be available for questions you may have regarding the wiring or installation that you may have.

For those kit builders that want to assemble their own panel but find a precision cut panel a little too difficult, we offer a metal instrument panel cutting service. We will cut your panel to your exact specifications, ready for you to assemble your panel – your way.

Design and layout of an instrument panel can be a tedious and complicated process. Our experienced designers and technicians know how to maximize available space. Our knowledge of avionics and instruments for kit panels results in practical, reliable and affordable designs. Starting with a scale panel drawing and avionics specifications, we transform your ideas into a complete drawing. As part of the design process, we can assist you with placement of items in the panel, as well as interface considerations. Once your panel is laid out, a complete quote is provided including all parts and labor listed. You know exactly what your panel will cost. There are no hidden surprises, and by having all the specialized tools and equipment, you can be sure of a proper fit and professional look to your panel.

VANS RV-7

Garmin G3X 10" Touchscreen EFIS
Garmin G3X 7" Touchscreen EFIS w/Engine Monitor
Garmin GMA 245R Remote Audio Panel
Garmin GTN 750Xi GPS/NAV/COM
GTX 45R Remote ADS-B Transponder
Garmin GMC 507 Autopilot
Artex ELT-345 406MHz ELT
Aero Sport Panel-Custom Design and Fabrication by PCA

VANS RV-10

Dual Dynon D1000 Touchscreen EFIS w/Engine Monitor
RC Allen 2600 2 ¼" Artificial Horizon
Garmin GMA 342 Audio Panel
Garmin GTN 750Xi GPS/NAV/COM
Garmin GTR 225 COM
GTX 45R Remote ADS-B Transponder
Garmin GMC 507 Autopilot
ACK Technologies E-04 406MHz ELT
Aero Sport Panel-Custom Design and Fabrication by PCA

RANS S21

Dual Garmin G3X Touchscreen EFIS w/Engine Monitor
Garmin GMA 245 Audio Panel
Garmin GTR 200B COM w/Bluetooth
GTX 45R Remote ADS-B Transponder
Garmin GMC 507 Autopilot
Artex ELT-345 406MHz ELT
Custom design and Fabrication by PCA

G3X TOUCH EFIS SYSTEMS

The G3X Touch suite of displays offers incredible installation flexibility. Use any combination of up to 4 of the 10.6" and 7" landscape or 7" portrait displays. These bright, easy-to-read screens are easily configured as PFDs for attitude, airspeed, altitude, heading, vertical speed, synthetic vision, and more; MFDs with advanced moving map, including terrain, obstacle and traffic alerts, georeferenced FliteCharts® or Jeppesen® ChartView™ charts, or optional engine instrumentation. A dedicated terrain page depicts terrain and obstacles of concern based on your current altitude, and it can be displayed useing a 2-D map, profile, view or both. Both visual and audible alerts provide automated terrain warnings, and G3X Touch provides a 500' callout for additional confirmation while on approach for landing at the destination airport. G3X Touch also has 2 familiar concentric knobs and 4 dedicated buttons - for quick access for Nearest, Direct-To, Menu and Back. Switch from full-screen PFD to split PFD/MFD with a touch. If the installation includes a separate PFD and MFD, you'll have reversionary backup should a failure of either display occur.

G3X Touch can display engine information with the addition of a GEA-24 Engine Display Module. This user-configurable EIS enables aircraft-specific tailoring of displays for engine gauges, color bands, alerts, fuel, trim and other vital sensor data. G3X Touch also integrates seamlessly with the afforodable Garmin experimental autopilot system, which provides advanced features such as auto-trim, flight director, indicated air speed hold and LVL capability - all of which can be accessed directly from the display.

P/N 010-01765-00	GDU-470 G3X Touch 7" Portrait	$3260		P/N K10-00016-14	LRU Kit (ADAHRS/Magnetometer/OAT)*	$1565
P/N 010-01056-00	GDU-450 G3X Touch 7" Landscape	$3260		P/N K10-00016-13	LRU Kit (Hi-Speed ADAHRS/Magnetometer/OAT)*	$2995
P/N 010-01057-00	GDU-460 G3X Touch 10.6" Display	$4210		P/N 010-01042-00	GEA 24 Engine/Airframe Module	$955

LRU Kits include GSU-25(B) ADAHRS, GMU-11 Magnetometer, and GTP-59 Outside Air Temp Probe

INSTALLATION KITS SOLD SEPARATELY. CALL US FOR YOUR G3X HARNESS NEEDS!!!

G3X AUTOPILOT

- **P/N 010-01169-00**   GMC 305 Autopilot Controller   **$925**
  The GMC 305 control panel for dedicated mode control of the autopilot, in addition to providing complete redundancy in the event of display failure while providing features found in many certified systems.

- **P/N 010-01946-00**   GMC 507 Autopilot Controller   **$1160**
  The GMC-307 Autopilot Controller takes all the features of the GMC-305, but adds altitude and heading select knobs.

- **P/N 010-01068-20**   GSA 28 Autopilot Servo**   **$885**
  GSA 28 "smart" servo allows a range of autopilot capabilities similar to those provided by Garmin's top-end flight control technology.

**Servo install kits sold separately.

G3X OPTIONS

- **P/N K00-00512-10**   4 Cyl Lyc/Cont Engine Sensor Kit   **$1120**
  Engine Sensor Kit for 4 Cylinder Lycoming and Continental Engines.

- **P/N K00-00513-10**   6 Cyl Lyc/Cont Engine Sensor Kit   **$1370**
  Engine Sensor Kit for 6 Cylinder Lycoming and Continental Engines.

- **P/N K00-00514-10**   Rotax 912 Engine Sensor Kit   **$410**
  Engine Sensor Kit for Rotax 912 engines.

- **P/N 010-01071-10**   GSU 25 ADAHRS   **$885**
  Second ADAHRS for the G3X System offering redundancy for IFR operations.

- **P/N 010-10171-10**   GSU-25B Hi-Performance ADAHRS   **$2375**
  Made for aircraft with 400 knot+ performance.

- **P/N 010-10174-10**   GAP-26 Heated AOA/Pitot   **$390**
  The GAP 26 is both a pitot tube and Angle of Attack sensor. When coupled with the G3X system, you will receive an audible and visual alert to AOA during critical phases of flight.

- **P/N 010-01525-00**   GAD-27 Electrical Controller   **$635**
  GAD-27 streamlines and enhances various configurations for taxi/landing lights, flap controls, and trim. Stabilizes voltage.

G5 ELECTRONIC FLIGHT INSTRUMENT

Either as a stand-alone primary flight instrument or as a back-up to the popular G3X EFIS systems, the Garmin G5 efficiently consolidates all essential situational reference for aircraft attitude, vertical speed, altitude, airspeed, slip/skid, and baro setting. The G5 may be also be installed with a GMC 305 or GMC 307 autopilot control panel and GSA 28 smart servos to perform as a stand-alone flight instrument with integrated autopilot functions. The G5 integrates uniquely with the Garmin G3X Touch systems to provide even more backup display capability providing heading, course deviation, flight director cues, autopilot mode annunciation, turn coordination, glideslope/glidepath, altitude and airspeed bug settings, and more. The bright, easy to see 3.5" LCD display easily fits a standard 3 1/8" instrument hole, and the options back-up battery sustains full operation of G5 for up to 4 hours.

P/N 010-01485-01	G5 Electronic Flight Instrument (Experimental)	**$1495**
P/N 010-12493-02	Back-Up Battery	**$250**
P/N 010-12493-11	Install Kit w/Lightning Protection	**$111**
P/N 010-01172-20	GAD-29C Avionics Adapter	**$521**
P/N 010-01788-00	GMU-11 Magnetometer	**$370**

GTR 200 COM RADIO
GTR 20 REMOTE COM RADIO

GTR-200 **GTR-20**

Garmin's GTR 200 panel mount COM radio is designed with the experimental aircraft in mind. Offering a slim design, 10W of power, auto-squelch, 3D audio, stereo intercom, stereo music input, alert inputs, and many others, the GTR 200 is in a class of its own. Advanced integration with the Garmin G3X glass flight displays, or other compatible handhelds, the GTR 200 is able to receive a frequency and identifier to the comm standby position directly for the G3X's waypoint page, allowing the pilot to accurately transfer those frequencies, while reducing the workload. Sunlight readable display and built-in shortcuts, with the capability for up to 20 stored frequencies, the GTR 200 is easy to install. The units are, 14V or 28V compatible and offers 25kHZ channel spacing. GTR 20 is a remote version of the GTR 200 and is controlled remotely through the G3X.

P/N 010-01087-01	GTR 200 Panel-Mount (non-TSO'd)	**$1339**
P/N 010-01087-21	GTR 200B Com w/Bluetooth	**$1549**
P/N 010-01076-50	GTR 20 Remote Mount (non-TSO'd)	**$1195**

GMA 245 AUDIO CONTROL PANEL

The GMA 245 offers an impressive array of features previously available only on high-end audio systems, but at a much lower price. GMA 245 features Bluetooth wireless connectivity, 3D Audio processing, clearance playback and impressive audio mixing and distribution. GMA 245 audio panel will support dual comm, dual nav and multiple aux receivers, totaling up to 7 radios in all. There's a 6-place intercom with music input, and a split-comm mode lets the pilot and copilot broadcast on independent frequencies. The GMA 245R is the remote mount version which integrates with G3X/Touch and GTN 750 for easy touch screen operation.

P/N 010-01318-01	GMA-245 Audio Panel	**$1625**
P/N 010-01471-01	GMA-245R Remote Audio Panel	**$1495**

GTX 35/45R REMOTE MOUNT MODE S TRANSPONDER

The GTX 35R/45R pairs with the G3X series flight displays for remote ADS-B transponder operation. The GTX 35R offers a simple, ADS-B "out" solution when paired with a GNS or GTN navigator, or GPS-20A GPS receiver. The GTX 45R offers "out" and ADS-B "in" weather and traffic that displays on the G3X display or GTN navigator, or can also be paired with a GPS-20A receiver. Plus, with the built-in Garmin "Connext" technology, GTX 45R allows you to wirelessly stream the weather and traffic onto an IOS or Windows tablet as well as select Garmin portable GPS. When paired with a Garmin audio panel, you get audible ATC-like traffic alerts to help keep your eyes outside the cockpit when looking for traffic. Both of these transponders meet the ADS-B mandate requirements and specifications.

P/N 010-01756-01	GTX 35R Remote ADS-B Out Transponder	**$2525**
P/N 010-01757-01	GTX 45R Remote ADS-B Out/In Transponder	**$3849**

GPS 20A WAAS GPS RECEIVER

Designed to fit within the budget and operating requirements of most experimental/amateur-built and light sport (LSA) aircraft owners, the GPS 20A provides a simple, self-contained WAAS position source that works with most 1090 ES transponders to meet the rules for ADS-B "Out" compliance. Using data from the worldwide GPS satellite network, the GPS 20A receiver provides precise information about your aircraft's position, track and groundspeed. It then provides this information to the GTX 335/345 or GTX 35R/45R transponder's "squitter" signal which then relays to ATC and ADS-B "In" equipped aircraft in the surrounding airspace.

P/N 010-01546-00	GPS 20A GPS Receiver with Install Kit	**$895**
P/N 013-00235-00	GA-35 WAAS GPS Antenna	**$325**

GDL 50R/51R/52R ADS-B AND SXM RECEIVER

Providing multiple display outputs and viewing options, GDL 5XR series works not only with your G3X Touch Avionics to display weather and traffic, but they can also communicate simultaneously with iPad® tablet or other mobile devices, as well as aera 760, aera 660, and aera 795/796 portable GPS.

P/N 010-01561-10	GDL 50R Remote ADS-B Receiver	**$899**
P/N 010-01561-50	GDL 51R Remote S/XM Receiver	**$749**
P/N 010-01561-30	GDL 52R Remote ADS-B & S/XM Receiver	**$1249**

G3X BASIC VFR SYSTEM

GDU 460 10.4" EFIS Display
G5 EFIS Display
GEA 24 Engine Interface w/ Rotax Eng. Sensor Kit
GPS 20A WAAS GPS Receiver
GMA 245 Audio Panel
GTR 200 Com
GTX 45 Remote ADS-B Transponder
Aera 660 GPS w/ Panel Dock
Package Total $17,995

G3X IFR SYSTEM

Dual GDU 460 10.4" EFIS Displays
GEA 24 Engine Interface w/ 4-Cyl Eng. Sensor Kit
GTN 750Xi GPS/Nav/Com
GMA 245 Audio Panel
GTR 20 Remote Com
GTX 45 Remote ADS-B Transponder
GMC 305 Autopilot
Package Total $38,995

G3X LIGHT IFR SYSTEM

GDU 460 10.4" EFIS Display
GEA 24 Engine Interface w/ 4-Cyl Eng. Sensor Kit
GTN 650Xi GPS/Nav/Com
GMA 245 Audio Panel
GTR 200 Com
GTX 45 Remote ADS-B Transponder
GMC 305 Autopilot
Package Total $29,995

G3X DELUXE IFR SYSTEM

Dual GDU 460 10.4" EFIS Displays
G5 EFIS Display
GEA 24 Engine Interface w/ 6-Cyl Eng. Sensor Kit
GTN 750Xi GPS/Nav/Com
GNC 255A Nav/Com
GMA 35 Remote Audio Panel
GTX 45 Remote ADS-B Transponder
GMC 507 AutoPilot
Package Total $42,995

SKYVIEW EXPERIMENTAL

Dynon Skyview is the next generation of high performance EFIS displays and feature very bright, high resolution screens and advanced synthetic vision technology. Easy to use controls for EFIS functions, and optional interfaces for the Dynon EMS Engine Monitor providing split screen PFD and engine display. and Dynon Autopilot. Dynon Autopilot controls are either through SkyView displays or through the optional autopilot controller. The HDX series brings and enhances HD type display and upgraded touch interface. For VFR only aircraft, the SkyView SE is a great basic system without synthetic vision and simplifies the menu options. So whether you're new to glass cockpit technology or fly 777s at work, there's a SkyView panel for you.

P/N 102864-000	SkyView-HDX10" Display	$4350
P/N 102865-000	SkyView-HDX7" Display	$3090
P/N 101295-000	SkyView-D1000 Display	$2890
P/N 102821-000	SkyView-D900/SE 10" Display	$2435
P/N 102294-000	SkyView-D700 7" Display	$2330
P/N 102819-000	SkyView-D600/SE 7" Display	$1450
P/N 101231-000	D-37 Display Harness	$124

SKYVIEW OPTIONS:

• P/N 101293-000	ADAHRS-200 Attitude/Hdg	$1310
• P/N 101293-001	ADAHRS-201 Attitude/Hdg (#2)	$775
• P/N 101292-000	EMS-200 Engine Module	$630
• P/N 101814-000	EMS-221 Engine Module (Rotax)	$630
• P/N 101406-000	ARINC-429 Module	$460
• P/N 102136-000	Knob Panel/Vertical	$285
• P/N 102137-000	Knob Panel/Horizontal	$285

• P/N 102388-000	Remote Magnetometer	$145
• P/N 102749-000	GPS-2020 GPS Ant/Receiver	$630
• P/N 101242-000	GPS-250 GPS Ant/Receiver	$240
• P/N 102137-000	Autopilot Control/Vertical	$560*
• P/N 102137-001	Autopilot Control/Horizontal	$560*
• P/N 100854-000	SV-32 Autopilot Servo	$775*
• P/N 101058-000	SV-42 Autopilot Servo	$775*

* Servo Mounts Not Included - Please call with type of aircraft

SV-COM-C25

By integrating with the Dynon SkyView EFIS, the SV-COM-C25 COM radio can send frequencies from the SkyView map airport page, or by the standard tuning knob. SkyView will identify the airport as you manually tune to ensure accuracy. Features include dual frequency watch, active/standby display, and auto-dimming back lit display. Available in horizontal or vertical configuration.

P/N 103708-000	Com Transceiver-25KHz	$870
P/N 102033-000	Com Controller/Vertical	$390
P/N 102043-000	Com Controller/Horizontal	$390
P/N 104031-000	Com Control Mount Kit	$95

AUTOPILOT CONTROLLER

- Dedicated button for each autopilot function
- Rugged, good tactile feel knobs
- Includes Trim control Superior Pilot Interface
- Backlit markings
- Makes advanced autopilot features clear and present for easy control.

| P/N 102137-000 | Autopilot Controller Vertical | $560 |
| P/N 102137-001 | Autopilot Controller Horizontal | $560 |

SV-XPONDR-261 REMOTE ADS-B TRANSPONDER

This Class-1 transponder interfaces with the Dynon HDX EFIS display for display and control of squawk codes. SV-XPNDR-261 is a TSO'd Mode-S Transponder with TIS traffic reception (US only) and 1090ES ADS-B Out. For ADS-B out compliance, it requires interface to either a panel mounted WAAS GPS, or the Dynon GPS-2020 as a position source.

| P/N 101409-000 | ADS-B Transponder | $2230 |
| P/N 104031-000 | Transponder Mount Kit | $95 |

SV-INTERCOM-2S

The SV-INTERCOM-2S solves the problem of having to choose between an underfeatured intercom or an expensive audio panel. With ample inputs for EFIS systems, stereo music, and all the other technology in your panel, the SV-INTERCOM is ideal for any 2-place aircraft, either with The SkyView or as a stand-alone intercom. The system includes faceplate for vertical or horizontal mount.

| P/N 101677-000 | 2-Place Intercom | $285 |

SV-ADSB-472 ADS-B RECEIVER

The dual band SV-ADSB-472 receives ADS- traffic via 978 MHz (UAT) and 1090 MHz. In the US, it also receives free text and graphical weather from the FAA's network of ADS- ground stations. Unlike portable ADS-B receivers, you get FULL ADS-B and radar traffic when you pair this with the SV-XPNDR-261 Mode-S transponder.

| P/N 102985-000 | ADS-B Receiver | $770 |

D3 POCKET EFIS

D3 features a clear synthetic vision display with touchscreen interface providing the accuracy and reliability you need. D3 also has a G-Meter that records minimum and maximum G-loads. The internal Li-Ion battery provides power for several hours, and DC and AC power adapters are included, along with a suction mount and clamp style instrument hole mount.

| P/N 103306-000 | D3 Pocket EFIS | $850 |

Take Your Communication
To A Higher Level.

FTA-850L
- Full color display
- Wireless Bluetooth capability
- GPS, ILS, and VOR Navigation

FTA-750L
- ILS Navigation (Localizer & Glide Slope)
- VOR Navigation
- Integrated 66 Channel GPS Receiver
- 1.7" x 1.7" Full-Dot Matrix Display
- 800 mW Loud Audio
- PC Programmable
- 8.33 kHz and 25 kHz Channel Spacing

FTA-550 AA/FTA-550L
- ILS Navigation (Localizer)
- VOR Navigation
- 1.7" x 1.7" Full-Dot Matrix Display
- 800 mW Loud Audio
- PC Programmable
- 8.33 kHz and 25 kHz Channel Spacing

FTA-450L
- 1.7" x 1.7" Full-Dot Matrix Display
- 800mW Loud Audio
- 200 Memory Channels
- PC Programmable
- 8.33 kHz and 25 kHz Channel Spacing

FTA-250L
- Ultra Compact Body
- 700 mW Loud Audio
- Noise Canceling – TX and RX Audio
- 250 Memory Channels
- PC Programmable
- 8.33 kHz and 25 kHz Channel Spacing

GARMIN.

aera 760 PORTABLE TOUCHSCREEN NAVIGATOR

The new aera 760 is the latest in Garmin's long line of successful portable GPS, and is the most advanced yet. The sunlight-readable 7" touchscreen display is twice as bright as many tablets, with portrait and landscape display options and intuitive pinch zooming. Aera 760 lets you prep your flight with wireless internet weather and automatic data downloads, while making VFR and IFR navigation easy with georeferenced sectionals and IFR charts. For IFR planning and flying, you can add airways and IFR approaches, arrivals, and departures to your route.

Wirelessly pair aera 760 with GDL-50 or GTX-345 to display traffic targets and subscription free weather data, or Sirius/XM weather and entertainment is available with GDL-51/52 (subscription required). Garmin's patented TargetTrend tracking provides target direction of flight and closure rates-so you can identify the greatest traffic threat. Garmin 3D-Vision gives you a behind-the-aircraft view of surrounding terrain, obstacles, and airports.

Aera 760 fulfills the role of an electronic flight bag (EFB) with georeferenced approach charts, pdf viewer, E6b computer, weight and balance calculator, logbook, and more. Aera 760 can run up to 4 hours on a charge on the internal battery, or you can easily power in flight with the included USB cable.

010-02303-00	aera 760 Portable GPS North America	**$1549**
010-02303-03	aera 760 Portable GPS South America	**$1549**

ACCESSORIES
P/N 010-12994-11	Mount w/ Power/Data Cable	**$65**
P/N 010-01561-00	GDL 50 ADS-B Receiver	**$799**
P/N 010-12994-10	Mount w/Cigar Lighter Adapter	**$65**
P/N 010-01561-40	GDL 51 Sirius/XM Receiver	**$799**
P/N 010-13287-00	GA-26X Portable GPS Antenna	**$99**
P/N 010-01561-20	GDL 52 Combo ADS-B & S/XM	**$1249**
P/N 010-12373-06	Yoke Mount	**$53**

aera 660 TOUCHSCREEN GPS W/3D VISION

The aera 660 aviation portable puts the latest Garmin technology in the palm of your hand and is packed wit capabilities. As a dedicated navigator, it quickly and reliably acquires GPS and GLONASS satellites and combines advanced navigation tools with rich, interactive, aviation maps-all on a bright, sunlight-readable 5-inch diagonal capacitive touchscreen display that can be oriented in landscape or portrait modes.

The graphical Terrain page offers both overhead and vertical Profile views of the topography beneath you. Switch to IFR map mode to display and navigate on high or low enroute airways, and use your touchscreen map cursor to reference MEAs (Minimum Enroute Altitudes) and distances between intersections. Revolutionary 3D Vision technology gives you a virtual 3-D behind-the-aircraft perspective view of surrounding terrain. Plus, with its forward-looking terrain avoidance capability, the aera 660 predicts in advance where towers or obstacles may exist and shades the landscape with amber or red overlays to indicate those areas. Using Bluetooth connectivity, the aera 660 easily interfaces with Garmin GDL-39, GDL-50 series and GTX-345 transponder, you can access and display ADS-B subscription-free weather and advanced traffic alerts, including TargetTrend relative motion tracking. You can also access Sirius/XM weather using the GDL-51 or GDL-52 portable receivers. aera 660 includes battery, yoke mount, 14/28v power cable, a/c charger, usb cable and pilots guide.

P/N 010-01518-00	aera 660 GPS North America	**$849**	P/N 010-01518-03	aera 660 GPS South America	**$849**

ACCESSORIES:
P/N 010-12373-01	Power/Data Cable	**$69.95**	P/N 010-01561-40	GDL 51 S/XM Receiver	**$749**
P/N 010-11654-03	Replacement Battery	**$49.95**	P/N 010-01561-00	GDL 50 ADS-B Receiver	**$799**
P/N 010-10702-00	GA25 MCX Portable GPS Antenna	**$95**	P/N 010-01561-20	GDL 52 ADS-B /SXM Receiver	**$1249**

GARMIN D2 X10 AIR PILOT WATCH

GARMIN

The D2 series of pilot watches offer a rich array of color mapping, weather, waypoint reference and flight logging features. You can pan and zoom the watch's moving map to quickly expand your view of airports, waypoints, terrain, obstacles or weather activity along your route of flight. Between flights, you can use the latest sport watch features — including Elevate™ wrist-based heart rate monitoring, daily activity tracking, training metrics and more — to keep up with your personal fitness goals.

The D2 AIR features a slim and stylish design with a vivid AMOLED touchscreen display, storage for music playlists, and built-in logbook functions. You can receive emails, and texts when paired with a smartphone, and D2 Air also incorporates a pulse-oximeter sensor to monitor oxygen levels built-in barometric altimeter that will vibrate when supplemental oxygen may be required.

| P/N 010-02496-09 | D2 Air X10 Black Aviator Watch | **$549.99** |
| P/N 010-02496-03 | D2 Air X10 Ivory Aviator Watch | **$549.99** |

GARMIN D2 MACH 1 PILOT WATCH

Accelerate your adventure with the D2™ Mach 1 GPS aviator smartwatch. With classic style and a modern AMOLED touchscreen display, this premium timepiece puts the most advanced tools for flying right at your fingertips. Check weather reports and radar, get automatic alerts for changing conditions, and navigate with the moving map, worldwide aeronautical database and HSI — plus more. Pair with the Garmin Pilot™ app to transfer flight plans to the watch and log your flights automatically. Use the smartwatch's health and wellness features to help ensure you're ready for your next flight — and find new ways to move with its more than 30 built-in sports apps and animated workouts. Mach 1 features up to 11 days of battery life.

P/N 010-02582-50	D2 Mach 1 Aviator Watch w/Titanium Band-N. America	**$1299.99**
P/N 010-02582-54	D2 Mach 1 Aviator Watch w/Leather Band-N. America	**$1199.99**
P/N 010-02582-53	D2 Mach 1 Aviator Watch w/Titanium Band-S. America	**$1299.99**
P/N 010-02582-57	D2 Mach 1 Aviator Watch w/Leather Band-S. America	**$1199.99**

GLO 2 BLUETOOTH GPS RECEIVER

The GLO 2 combines GPS and GLONASS with Bluetooth wireless technology so you can enjoy precise position information on your iPad, iPhone, or Android devices. The GPS/GLONASS combination provides 20% faster acquisition time, position updates 10 times per-second, and it will remain connected-even at high speed. Glo 2 will provide GPS position for up to two devices, and has up to 13 hours of battery life to keep your position on long trips. Charging GLO 2 between uses is easy with the included USB cable or optional 12/24V vehicle power cable. A 6-month subscription to the Garmin Pilot app is included.

| P/N 010-02184-00 | GLO 2 Bluetooth GPS Receiver Aviation Bundle | **$129** |

GARMIN PORTABLE GPS ACCESSORIES

AERA 760 GPS ACCESSORIES

P/N 010-12994-11	Power/Data Cable	**$64.95**
P/N 010-12994-10	Cigarette Lighter Adapter	**$64.95**
P/N 010-10702-00	GA25MCX GPS Antenna	**$21.95**
P/N 010-11756-05	Lap Mount / Kneeboard	**$45.95**
P/N RAM-B-400-238U	Yoke Mount	**$39.95**
P/N PD31	Air Gizmos Panel Dock	**$139.95**

MISC GARMIN GPS ACCESSORIES

P/N 010-11756-01	AERA-795/796 Power/Data Cable	**$64.95**
P/N 010-11756-03	AERA-795/796 Carry Case	**$47.95**
P/N 010-11756-04	Replacement Battery	**$189.95**

AERA 660 GPS ACCESSORIES

P/N 010-12373-01	Power/Data Cable	**$64.95**
P/N 010-11654-03	Replacement Li-Ion Batter	**$49.95**
P/N 010-10702-00	GPS Antenna (MCX Connector)	**$21.95**
P/N PD28	AirGizmos Panel Dock	**$109.95**

AERA 500 SERIES GPS ACCESSORIES

P/N 010-11385-03	Mount with Power/Data Cable	**$64.95**
P/N 010-10702-00	GPS Antenna (MCX Connector)	**$21.95**
P/N 010-11143-00	Lithium-ion Battery Replacement	**$35.95**
P/N PD16	AirGizmos Panel Dock	**$109.95**

GDL 50/51/52 SERIES BLUETOOTH DATALINK RECEIVER

Whether you are looking for an ADS-B receiver, Sirius/XM receiver, or both, the new Garmin GDL 50, GDL 51, GDL 52 provide an easy-to-use and completely portable aviation ADS-B or Sirius/XM data link. Garmin's Connext connectivity effortlessly streams this information onto mulitple Garmin aviation portables (including aera 660, aera 796 or aera 795 series) as well as iPad tablets and mobile devices with the Garmin Pilot app.

The GDL series features a rechargeable built-in lithium-ion battery allowing up to 5 hours operation on a single charge, or you can plug in via the included vehicle power cable or microUSB port. In addition to weather and traffic capabilities, all three of the GDL series include a built-in WAAS GPS receiver and AHRS attitude sensors to deliver highly accurate aircraft position, speed and altitude information to your compatible mobile device app or select Garmin GPS, allowing them to serve as a backup attitude reference. With SVT virtual terrain, obstacles, runways, horizon cues, HSI, GPS speed, altitude and more, this brings a whole new perspective to your portable navigation.

The GDL 50 receives subscription free animated ADS-B "in" U.S. datalink weather, as well as dual band ADS-B traffic information with Target Trend and Terminal Traffic technology. Weather information includes, METAR's, NEXRAD TAF's, winds aloft, PIREPS and NOTAMS.

The GDL 51 is a Sirius/XM receiver providing ground and air access to continuous SiriusXM satellite updates. The SiriusXM powerful satellites deliver seamless coverage at any altitude across the continental U.S. and its coastal regions as well as southern Canada. Choose from available SiriusXM Aviation weather packages that provide METAR data and animated NEXRAD imagery as well as current reports on precipitation, lightning, winds aloft, echo tops, turbulence, freezing levels, and TFRs. Also available are more that 150 channels if digital-quality music, news, sports and other entertainment programming - directly to your cockpit. (S/XM subscription required)

The GDL 52 combines SiriusXM Aviation satellite weather/entertainment and ADS-B U.S. datalink weather and traffic to give you the complete weather and traffic picture. Together, these 2 network link technologies brings a world of safety-enhancing features. (S/XM requires subscription).

P/N 010-01561-00	GDL 50 ADS-B Receiver	**$799**
P/N 010-01561-40	GDL 51 Sirius/XM Receiver	**$749**
P/N 010-01561-20	GDL 52 ADS-B/S/XM Combo	**$1249**

GDL 39 ADS-B RECEIVER

A lower cost option to the GDL 50, the GDL 39 receiver is an ADS-B Weather/Traffic receiver that works wirelessly with Garmin AERA-660/760 GPS as well as other portable devices running popular Apps such as Garmin Pilot, FltPlan Go, and ForeFlight Mobile. While GDL 39 does not display synthetic vision, you will see subscription-free weather and traffic overlaid on a moving screen for increased safety and awareness.

P/N 010-11689-00	GDL 39 ADS-B Receiver Unit Only	**$474.99**
P/N 010-11689-04	GDL 39 ADS-B Receiver w/Lighter Adapter	**$499**
P/N 010-11689-06	GDL 39 ADS-B Receiver w/Bare Wire Cable	**$499**

APPAREO STRATUS 3 ADS-B RECEIVER

Stratus 3 is the simple-to-use, portable wireless ADS-B receiver that provides subscription-free weather, GPS information, backup attitude and ADS-B traffic on your tablet. Stratus-3 is designed for seamless integration with ForeFlight, but is also designed with an Open ADS-B Mode to work with a variety of iOS and Android based popular apps such as WingX, FlyQ, FltPlan Go, and many others. View in-flight ADS-B weather on your iPad, including NEXRAD radar, METARs, TAFs, TFRs, AIRMETs, SIGMETs, NOTAMs and more. Stratus 3 also includes a complete Attitude Heading Reference System (AHRS) for supplemental attitude information in the cockpit. It aligns itself automatically, so you can just turn it on and fly. For apps that includes Synthetic Vision, you get visually stunning and high-performance hazard awareness capability. Stratus 3 includes a dual-band ADS-B receiver, and with the built-in WAAS GPS receiver, Stratus allows you to view moving maps, track up displays and high-resolution terrain maps in ForeFlight Mobile. With its 8-hour battery life, you can fly all day without bringing along a charging cable. Stratus 3 comes with charging cable and 110V wall plug; charging cable works with all 2.0 amp cigarette lighter plugs as well. Also includes a gel dash mount and Stratus Pilot's Guide.

P/N 153010-000066	Stratus 3 Portable ADS-B Receiver	**$749**

HONEYCOMB
AERONAUTICAL

ALPHA FLIGHT CONTROLS YOKE

The Honeycomb Alpha Flight Controls is the most advanced flight simulation system available to simmers, flight students and pilots for setup at home and featuring a complete backlit switch panel and ignition switch. It was designed and developed in California by pilots and aerospace engineers to ensure the most realistic flight experience.

The Alpha Flight Controls include a mounting bracket compatible with Saitek and Honeycomb products. All Honeycomb products features a 5 year warranty and free lifetime tech support. *Compatible with XBOX / PC / Mac.*

P/N HC003653	Alpha Flight Controls	**$279.99**
P/N HC00328	Dust Cover for Yoke and Throttle	**$29.99**

BRAVO THROTTLE QUADRANT

The Honeycomb Bravo Throttle Quadrant is an all-in-one cockpit system featuring a configurable throttle setup, from single-engine general aviation to four-engine commercial aircrafts. It features multiple cockpit components including autopilot, annunciator panel, gear & flaps lever as well as a trim wheel.

- Two and four engine commercial throttle setup including spoilers and flaps for commercial aircrafts.
- Single and multi-engine throttle setup for general aviation aircrafts with separate flaps toggle.
- Autopilot panel designed to include most features found in commercial and GA aircrafts.

P/N HC003042	Bravo Throttle Quadrant	**$249.99**
P/N HC003226	Throttle Pack for Airbus A319-A380	**$69.99**

CHARLIE RUDDER PEDALS

The Charlie Rudder Pedals brings the final piece to complete the full Honeycomb Flight Simulation Setup. The pedals are made with real alloy metal and can adjust to different angles for the best comfort while flying. The pedals use a specialized drive train system for travel with no center detent. The base includes large rubber grip pads and reversible carpet spikes for non-movement use giving you confidence and skill in your approaches and landings.

- All Alloy Metal Pedals
- Left and Right Toe Brake Axis
- Adjustable Feet Angles
- Realistic Mechanical Movement
- Reversible Carpet Spikes with Large Rubber Grip Surface
- Adjustable Tension Knob

P/N HC003073	Charlie Rudder Pedals	**$349.99**

CH Products

ECLIPSE YOKE

The Eclipse Yoke is the high-end flight yoke with built-in rudder and throttle functions. Programmable fingertip paddles allow for both rudder functions in flight sims or shift for racing games. Color coded handles for throttle, prop and mixture, trim / scroll wheels and a three color selector dial gives you functions galore!

P/N 200-616	Eclipse Yoke	**$240.95**

PRO PEDALS

The CH Pro Pedals offers realistic rudder control for both flight simulators and driving games. The Pro Pedals include differential toe brakes for flight sims, and pedal chocks for driving games.

P/N 300-111	Pro Pedals	**$153.95**

THROTTLE QUADRANT

The CH Throttle Quadrant offers 6 axis and 12 buttons of configurable features for both multi-engine and twin-engine aircrafts. Unit includes removable knobs for custom configuration (2 blue, 2 red, and 4 black knobs included) and 6 physical detents.

P/N 300-133	Throttle Quadrant	**$144.95**

FIGHTERSTICK

The Fighterstick USB includes 3 axis and 24 buttons, including X,Y and Z axis for aileron, elevator, and throttle control. Switch between three modes for a total of 176 programmable functions with the included Control Manager software (PC only).

|		
P/N 200-571	Fighterstick	**$136.95**

RAM MOUNTS FOR IPAD & IPAD MINI

RAM offers the most versatile and robust aviation mounting solutions available. RAM Mounts feature a patented rubber ball and socket system that offers incredible adjustability, vibration dampening and a truly modular mounting solution. Easily mount almost any device in the precise location you need it. RAM Mounts come with a Lifetime Warranty.

Two 2" Bases w/ 3" Arm
P/N RAM-B-101-G1 $26.95

Yoke Mount Clamp
P/N RAP-B-400U $28.95
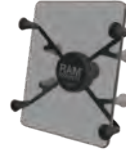
X-Grip for Large Phones/Tablet
P/N RAM-HOL-UN10BU $26.95

Suction Mount w/ 3" Arm & Base
P/N RAM-B-166U $32.30

Clamps to Glare Shield or Lip of Flat Surface
P/N RAM-B-177U $36.25

Bar/Tube Mount w/ 1.5" Arm & Base
P/N RAP-B-400-238U $39.95

P/N RAM-B-238 $6.70
P/N RAM-B-202 $6.70

P/N RAM-B-201UA	1.5" Arm	$12.85
P/N RAM-B-201U	3" Arm	$12.70
P/N RAM-B-201C	4.5" Arm	$19.10

RAM systems are also available as complete systems for specific device and mounting applications. Whether you need a suction mount, base mount or yoke mount, RAM has the perfect mount for you!

IPAD X-GRIP MOUNT

P/N RAM-HOL-UN8U	iPad Mini X-Grip Holder	$24.75
P/N RAM-B-121-UN8U	iPad Mini Yoke Mount	$54.65
P/N RAM-B-166-UN8U	iPad Mini Suction Mount	$55.70
P/N RAM-B-177-UN8U	iPad Mini Glare Shield Mount	$51.90

IPAD DOCK MOUNT

P/N RAM-HOL-AP14U	Mount - iPad Mini Cradle	$13.95
P/N RAM-HOL-AP15U	Mount - iPad 1/2/3 Cradle	$16.95
P/N RAM-HOL-AP17U	Mount - iPad AIR Cradle	$16.95
P/N RAM-HOL-AP20U	Mount - iPad Mini Gen4 Cradle	$14.95
P/N RAM-HOL-AP23U	Mount - iPad PRO Cradle	$25.95

AIRGIZMOS

AirGizmos GPS panel docks are designed to fit a standard 6.25" avionics mount without external cables. The GPS can easily be removed from the dock when you want to take your GPS with you.

P/N PD7	Horizontal Tilt Adapter for X96 & aera Series	$22
P/N PD8	Vertical Tilt Adapter for X96 & aera Series	$22
P/N PD13	Panel Dock for GPSMAP-695/696	$169
P/N PD14	Horizontal Tilt Adapter for GPS-696/696 & aera 795/795	$45
P/N PD16	Panel Dock for aera 500 Series	$109
P/N PD22	Panel Dock for aera 795/796	$169
P/N PD24	Panel Dock for iPad Mini 1/2	$99
P/N PD26	Panel Dock for iPhone 6/6S	$109
P/N PD27	Panel Dock for iPad Mini 4	$109
P/N PD28	Panel Dock for aera 660	$109
P/N PD31	Panel Dock for aera 760	$129

PILOT'S TOOL KIT

Developed specifically for general aviation aircraft, this tool kit is a must to keep in almost any airplane. The PTK1 Pilots Tool Kit has the most commonly needed tools and components to help get you going, including a set of combination wrenches, locking pliers, 8" adjustable wrench, tire pressure gauge, 6-in-1 screwdriver, hex wrenches, diagonal cutters, and a mini-ratchet/socket set. Also included is a special aviation spark plug socket that fits all major spark plug makes, a telescopic mirror, cable zip-ties, and a roll of .032 safety wire. Everything is organized in a tough, easy-to-store roll-up pouch weighing just 3.5 lbs. These tools are lifetime guaranteed and are professional quality, making this the ideal go-to tool kit for the airplane or the hangar.

P/N PTK1   Pilot's Tool Kit $89.95

GRYPMAT PORTABLE TOOL TRAY

Made of a polymer-silicone blend that is flexible, these high performance rubber mats are non-slip mats that are non-magnetic, chemical-resistant, and anti-static. Secures tools at angles of up to 70 degrees. Available in small, medium, and large sizes–and combo sets. Each size mat has partitioned sections for holding a variety of tools and hard-ware. Grypmat is portable, flexible and will not scratch or damage surfaces The large Grypmat even has handles for use as a tool caddy.

P/N RFGM-CR03S	Grymat Small Tool Tray-6"x12"	$39
P/N RFGM-CR02S	Grymat Medium Tool Tray-8"x 12"	$59
P/N RFGM-CR01S	Grymat Large Tool Tray-12"x22"	$79
P/N RGFM-TP3	Grymat Trio Pack	$164

ICOM

IC-A25C COM / IC-A25N NAV/COM/GPS

The IC-A25C is a powerful air band handheld with 6 watts of power, easy-to-use interface, and large 2.3-inch LCD display combine to provide stress-free programming and in-flight operation. The enlarged flat sheet keypad is easy to operate and the large and high visibility LCD provides user-friendly, graphic screens. The night mode option enables easy viewing in the dark. The operating frequency in large characters can be recognized at a glance. The A25C stores the last 10 channels used, and you can easily recall those channels by using the directional keys or the channel knob on the top panel. The supplied 2350 mAh (typical) intelligent battery pack, provides up to 10.5 hours of operating time, and you can check the condition of the battery pack in the battery status screen, making it very useful for optimum charging and battery health maintenance.

The IC-A25N features the same 6-watt transmit power, and 2.3-inch LCD display as the A25C, but also includes a GPS and VOR receiver, plus the option for "hands-free" Bluetooth operation. The built-in CDI is detailed like a real VOR instrument, and displays any deviation from your course. The OBS (Omni Bearing Selector) enables you to change course from the original flight plan. The TO-FROM indicator shows the position relationship between your aircraft and the course selected by the OBS. While using GPS, the waypoint NAV will guide pilots to their destination. Up to 10 flight plans and 300 waypoints can be stored in the A25.

The IC-A25C and IC-A25N packages includes li-ion battery, rapid charger, headset adapter, case, antenna, and belt clip. The IC-A25C/Sport includes AA Battery Case, antenna, belt clip, and wrist strap.

P/N IC-A25 SPORT	Handheld Com Transceiver w/AA Battery Pack	$319.95
/N IC-A25C	Handheld Com Transceiver	$469.95
P/N IC-A25N	Handheld GPS/Nav/Com Transceiver	$529.95

IC-A16 COM

The IC-A16 is Icom's newest handheld com transceiver. This series is perfect for ground crews to beginner pilots. The A16 comes with loud, class-leading powerful audio (1500 mW), which is useful in noisy work environments. The large-capacity battery pack provides users up to 17 hours of operating time on a robust 2400mAh Li-ion battery. In line with the Icom brand, the A16 Series is designed to operate in the harshest of environments. It's compact, boasting a waterproof design built to the industry's highest durability standards. IC-A16 is also available with optional built-in Bluetooth® connectivity, making hands-free operation a breeze. Both models of IC-A16 include rechargeable li-ion battery, charging base, AC adapter, antenna, belt clip, owners manual, and 3-year warranty. IC-A16 continues the legendary durability, quality, dependability, and ease of use that Icom is famous for.

P/N IC-A16-41	Handheld Com Transceiver	$269.95
P/N IC-A16-31	Handheld Com Transceiver w/Bluetooth	$319.95

IC-A25 ACCESSORIES:

P/N BP289	AA Battery Case	$54
P/N FAB02AR	Flex Antenna	$40
P/N OPC2379	Headset Adapter	$99
P/N BC224	Rapid Charger	$69
P/N VS3	Bluetooth Earphone	$175
P/N CSA25	Programming SW	$95

P/N BP288	Li-ion Batter	$155
P/N NCA25	Nylon Case	$32
P/N HM231	Speaker/Mic	$97
P/N CP20	Lighter Adapter	$70
P/N MB130	Vehicle Bracket	$85
P/N OPC478UC	USB Cable	$75

IC-A16 ACCESSORIES:

P/N OPC2401	Headset Adapter	$99
P/N FAB02AR	Flex Antenna	$40
P/N HM240	Speaker/Mic	$105
P/N BP280	Li-ion Battery	$95
P/N PTTSW	PTT Switch	$29
P/N OPC515L	Lighter Adapter	$28

IC-A220 COM TRANSCEIVER

Icom's A220 panel mount transceiver is a popular fit with experimental and light sport pilots. This air to ground transceiver has the capability to work on both 8.33 kHz and 25 kHz channel spacing frequencies. It features the brightest OLED (Organic Light Emitting Diode) display on the market offering many advantages in brightness, vividness, high contrast, wide viewing angle and response time compared to a conventional display. The A220 also features a built in 2 station intercom, 12 or 24 volt compatible, and automatic/manual squelch. It's fast and easy to select any of memory channels in the A220. The "flip-flop" arrow button switches between main and stand-by channels. The dual watch function allows you to monitor two channels simultaneously. In addition, the auto stack memory stores the last 20 channels used and allows you to recall those channels easily. All switch buttons and knobs are illuminated with pure-white backlighting that is the same color as the OLED display. Other features include Automatic Noise Limiter (ANL) that reduces pulse type ignition noise, one-touch access to 121.5 emergency channel, and user configurable com settings.

P/N IC-A220	COM Transceiver - Experimental	$1299.95

ICOM

IC-A120B BASE STATION

Available as either a vehicle mount radio or as a desk-top base station, the IC-A120 has a powerful 9-watt transmitter, 760 Com channels, plus dual watch and priority scan functions. The newly added built-in ANC reduces background noise and is effective in extremely noisy airport environments. The radio is fully self-contained with built-in speaker and has a large easy to see LCD digital display. The base station version includes built-in power supply for 115/240v AC, and the noise cancelling hand-mic is included.

P/N IC-A120M	Vehicle Mount COM	$999.95
P/N IC-A120B	Desktop Base Station	$1299.95

IC-A220 BASE STATIONS

Using the same IC-A220 panel mount radio, Icom has variations for mounting in a vehicle or using as a desk top base station. The base station includes the PS-80 unicom box with built-in speaker, power supply, handheld microphone, and ready to plug into 115v/240v AC. The vehicle mount version includespower cables, under dash mount, and microphone.It's fast and easy to select any of memory channels in the A220. The "flip-flop" arrow button switches between main and stand-by channels. The dual watch function allows you to monitor two channels simultaneously, and the auto dimmer function adjusts the display for optimum brightness at day or night.

P/N IC-A220B	Desktop Base Station	$1999.95
P/N IC-A220M	Vehicle Mount	$1699.95

BASE STATION ANTENNAS

Building mount or ground support vehicle mount antennas for 118-136 MHz base stations.

P/N ASPR-795G	Magnetic Mount Antenna	$69		P/N AV-5	Building Mount Antenna	$215
P/N ASPC-201L	Ground Vehicle Antenna	$59		P/N AV-1	Base Station Antenna	$399
P/N AV-3	Ground Vehicle Antenna	$195				

RADIANT INSTRUMENTS AIRBAND RECEIVERS

AirLite Pro is a full featured aircraft radio scanner and Ham Transceiver, with groundbreaking new features. The AirLite Pro receives all aircraft channels between 118 and 137 mhz. Significantly, this receiver also provides simultaneous reception on two different frequencies, allowing a listener to monitor frequencies such as tower and ground at the same time. This feature is called "Dual ReceptionTM.". You can store preferred frequencies in memory and scan between those frequencies, and AirLite Pro also receives NOAA Weather, FM radio, the Ham radio band and 8.33 KHz spacing for use in Europe. AirLite Pro comes with a rechargeable lithium battery, a desk charging stand, and an earbud for listening privately, along with a USB programming cable so that the channel and feature list can be more easily managed from the computer application.

P/N RALDRP-22	AirLite Pro Airband Receiver	$118.95
P/N RALDR-22	AirLite Airband Receiver	$69.95

PORTABLE RECEIVER COMPARISON GUIDE

	ICOM A16A & B	ICOM A25C	ICOM A25N	YAESU FTA-250L	YAESU FTA-450L	YAESU FTA-550AA	YAESU FTA-550L	YAESU FTA-750L	YAESU FTA-850L
COM	✓	✓	✓	✓	✓	✓	✓	✓	✓
NAV			✓		✓	✓	✓	✓	✓
LOCALIZER			✓			✓	✓	✓	✓
ILS								✓	✓
GPS			✓					✓	✓
SIDETONE	✓	✓	✓	✓	✓	✓	✓	✓	✓
HEADSET JACKS									
BLUETOOTH	✓- A16B ONLY		✓						✓
WEIGHT	9.10 oz	12.00 oz	12.00 oz	10.60 oz	14.50 oz	14.50 oz	14.50 oz	14.50 oz	13.90 oz
DISPLAY	1.5" x 1.625"	1.5" x 1.625"	1.5" x 1.625"	1.5" x 1.625"	1.5" x 1.625"	1.5" x 1.625"	1.5" x 1.625"	1.5" x 1.625"	1.5" x 1.625"
WARRANTY	3 yrs	3 yrs	3 yrs	3 yrs	3 yrs	3 yrs	3 yrs	3 yrs	3 yrs
BATTERY	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion	AA	Li-Ion	Li-Ion	Li-Ion
PRODUCT #	IC-A16	IC-A25C	IC-A25N	FTA-250L	FTA-450L	FTA-550AA	FTA-550L	FTA-750L	FTA-850L

YAESU

FTA-850L GPS/NAV/COM

The new Yaesu FTA-850L portable airband transceiver is precisely engineered to meet the requirements of top aviators. With features like a 2.4" full-color FT display, enhanced navigation using ILS, VOR, or GPS, and a 400 channel memory. FTA-850L has a built-in bluetooth module allowing operation with a commercially available bluetooth headset, or use with Yaesu's optional SSM-BT10 headset. Built around an ultra-durable polycarbonate housing, the FTA-850L meets the IPX-5 waterproof rating. Packaged with a high capacity 2200mAh Lithium-Ion battery, headset adapter, 100-240VAC charger, 12VDC charger/Power cable, drop in charging cradle, backup alkaline battery tray, and heavy duty belt clip. FTA-850L is backed by an industry leading 3 year waterproof warranty.

P/N FTA-850L	Handheld Com/Nav/GPS	**$479**

FTA-750L GPS/NAV/COM

The YAESU FTA-750L Combines tradition with innovation. Born from a history of high quality communications the FTA-750L now includes a 66 channel GPS receiver for reliable navigation. Boasting an oversize full dot matrix LCD display, the FTA-750L Airband Transceiver/GPS provides full communication on the aircraft communications band and additionally provides VOR and ILS navigation features on the "NAV" band, and waypoint navigation with the built in GPS receiver. The FTA-750L includes NOAA weather band monitoring and the capability of programming up to 200 memory channels with a quick and easy channel recall feature. The easy to operate menu system is icon driven making it simple to navigate through all of the powerful features this transceiver/GPS has to offer. Additionally the FTA-750L can easily be reprogrammed in minutes using the optional PC Programming software and the supplied USB programming cable. Also provided in the package is BNC Helical Antenna, 110V charger with desktop charging cradle, Li-Ion battery, headset adapter, cigar lighter adapter, and alkaline battery tray.

P/N FTA-750L	Handheld Com/Nav/GPS	**$449.99**

FTA-450L COM / FTA-550L NAV/COMS

The YAESU FTA-550 is packed with features, yet very affordable. Boasting an oversize full dot matrix LCD display, the FTA-550 Airband Transceiver provides full communication on the aircraft communications band, plus it additionally provides VOR and ILS navigation features on the "NAV" band. The FTA-550 includes NOAA weather band monitoring and the capability of programming up to 200 memory channels with a quick and easy channel recall feature. The brand new easy to operate menu system is icon driven making it simple to navigate through all of the powerful features this transceiver has to offer. The radio is just 5.2" tall, weighs less than 15 oz. and is packaged complete with BNC Helical Antenna , 110V charger with desktop charging cradle Li-Ion battery, headset adapter, cigar lighter adapter and alkaline battery tray.

The FTA-550A version does not include rechargeable battery and charger, but does have all the other accessories including "AA" battery case for those pilots that don't want to deal with a rechargeable battery.

The FTA-450L has all of the same features, but is a COM only transceiver. Unit comes with the standard accessory package as the FTA-550L.

P/N FTA-450L	Handheld Com w/Rechargeable Battery	**$279.99**
P/N FTA-550L	Handheld Nav/Com w/Rechargeable Battery	**$349.99**
P/N FTA-550A	Handheld Nav/Com w/AA Battery Case	**$229.99**

FTA-250L COM

The Yaesu FTA-250L is a compact, stylish, solid and affordable hand-held transceiver, providing communication on the aircraft communication band and was engineered for safety and durability. The radio is built around a solid die cast aluminum chassis with heavy duty sealing throughout, allowing the radio to be submerged up to 3' for 30 minutes making this the most durable aviation transceiver on the market today. The radio boasts 700 mW of clean audio output and it also provides 8.33 kHz synthesizer steps for the new narrow-band channel plan. NOAA weather band monitoring, 8-character Alpha/Numeric Display, 150 Memory Channels, 100 "Book Memory" Channels, VOX, and Side Tone are just some of the many features provided. The channel configurations can be easily reprogrammed in minutes using the optional PC Programming Kit and your PC. The FTA-250L comes packaged with: BNC Helical Antenna, 110V charger with desktop charging cradle, Li-Ion battery, headset adapter, and alkaline battery tray.

P/N FTA-250L	Handheld Com Transceiver	**$229.99**

YAESU FTA-550/750 ACCESSORIES

SRA-20A	BNC Helical Antenna	**$29**
SBT-12	Alkaline Battery Pack	**$19**
SBR-39Li	1800 mAh Li-Ion Battery	**$95**
SDD-19	12V Cigarette Lighter Adapter	**$34**
SBH-11	Charging Cradle	**$59**
SAD-25B/C/U	110V AC Charger	**$29**
SSM-10A	Speaker Microphone	**$79**
SEP-11A	Earphone	**$25**
SHB-11	Belt Clip	**$10**
SHC-28	Nylon Carrying Case	**$29**

Call for Yaesu/Vertex legacy unit accessories (VXA and FTA units)

SMART LOOKS. SMART FEATURES. AND NOW WITH SMART GLIDE.™

GET MORE SAFETY-ENHANCING CAPABILITIES FROM YOUR ALL-GARMIN PANEL.

Smart Glide can provide a helping hand to reduce your workload during an engine-related emergency with the press of a single button. Available with installation of GTN™ Xi series navigators, select Garmin flight displays or electronic flight instruments, and optional Garmin autopilots.

GARMIN.COM/SMARTGLIDE

PACIFIC COAST AVIONICS HEADSETS & INTERCOMS

PCA-ANR/BT BLUETOOTH HEADSET

Building on the well-received PCA-ANR headset, the PCA-ANR/BT now adds Bluetooth capability to an already perfected entry-level stereo/mono ANR headset, with the ability to stream music and cell phone calls. The PCA-ANR/BT also allows for automatic muting of music or cell phone calls when a radio call comes in, giving you many of the features of higher end ANR headsets for a fraction of the cost. Using two AA batteries, PCA-ANR/BT and PCA-ANR, you can expect 30-40 hours of useful life for the ANR function. With a new comfort foam ear seals, the PCA-ANR/BT provides greater comfort and higher noise suppression over our already impressive headset. A headset bag is included as a standard accessory for the PCA-ANR/BT. Passive noise reduction is 24dB with an additional 29dB when the ANR is activated.

The PCA-ANR is an impressive entry-level ANR headset for those not requiring the Bluetooth capabilities. Comes supplied with gel ear seals. Passive noise reduction is 20dB with an additional 12-14dB when the ANR is activated.

P/N PCA-ANR/BT	ANR Headset w/Bluetooth	**$349**
P/N PCA-ANR	ANR Headset w/o Bluetooth	**$249**

PCA ANR/BT BEST VALUE $349

PCA-ANR ACCESSORIES:

• P/N PA-10*	Mic Windscreen	**$2.95**	• P/N PTT	Push-To-Talk Switch	**$15.00**	
• P/N PA-20*	Cloth Ear Seal Covers	**$4.95**	• P/N PCA-GEL SEAL	Silicone Gel Ear Seals	**$16.95**	
			• P/N PCA-BT SEAL	Comfort Ear Seal	**$20.95**	*Included With All PCA Headsets*

PCA-4G

- 24dB NRR Hearing Protection
- Noise Cancelling Electret Mic
- Wide Comfort Foam Ear Seals
- Full Flex Boom
- Mic Cover & Cloth Ear Covers
- Weight 15 oz.
- 3 Year Limited Warranty

P/N PCA-4G	GA Headset	**$89**
P/N PCA-4GH	Helicopter Plug	**$109**
P/N PCA-4YB	Youth Size (Blue)	**$95**
P/N PCA-4YG	Youth Size (Pink)	**$95**

PCA-6G

- Mono/Stereo
- 24dB NRR hearing protection
- Noise-canceling electret mic
- Dual volume control stereo
- New Full flex boom design
- Gel ear seals
- Cotton cloth ear covers
- Wind block mic muff
- Weight: 19 oz.
- 3 Year Limited Warranty

P/N PCA-6G	**$119**

PCA-7G

- 24dB NRR Hearing Protection
- Bluetooth Connectivity
- Full Flex Boom
- Wide Comfort Foam Ear Seals
- Mic Cover & Cloth Ear Covers
- Weight 18 oz.
- 3 Year Limited Warranty.

P/N PCA-7G	GA Headset w/Bluetooth	**$95**

HEADSET INTERCOM PACKAGES

PCA PACKAGE 1

INCLUDES:
- 2 PCA-4G
- 1 PCA-24
- 1 Falcon Flight Bag
- 1 PTT Switch

P/N PCA PACKAGE 1	**$375**

PCA PACKAGE 2

INCLUDES:
- 2 PCA-ANR
- 1 PCA-24
- 1 Falcon Flight Bag
- 1 PTT Switch

P/N PCA PACKAGE ANR	**$649**

PCA - HELMET

- 24dB NRR Hearing Protection
- Noise Cancelling Electret Mic
- Wide Comfort Foam Ear Seals
- Full Flex Boom
- Mic Cover & Cloth Ear Covers
- Weight 15 oz.
- 3 Year Limited Warranty

P/N PCA - Helmet Black	**$295**
P/N PCA - Helmet White	**$295**

PCA-24/400ST INTERCOM

- 4 Place Portable Intercom
- Dual Volume Control
- Pilot/Crew/Passenger Isolate
- Auxiliary Music Input
- 9 Volt Battery or Cigarette Lighter Operation
- Pilot & Co-Pilot Transmit Capability
- Voice Activated   • Weight 16 oz.
- Size 4.5" x 5" x 1.375"   • 3-Year Limited Warranty

P/N PCA-24		**$139**
P/N PCA-400ST	Stereo version of PCA-24	**$159**

BOSE® A30 ANR HEADSET

The new Bose A30 Aviation Headset takes all the great comfort and performance from the industry leading A20, and made it even better! Bose engineering now uses digital ANR technology, improving the noise cancellation even more, and they've reduced clamping tension by 20%, making the A30 the quietist and most comfortable headset Bose has ever made. A30 weights just 12 ounces and uses improved softer headpads and soft comfort ear seals—all designed to let you focus on what matters-flying.

The newly designed ergonomic control module includes a new feature that lets you select the amount of noise cancelling needed, depending on the type of airplane you're flying. You can select "Low" if you're flying the airlines or corporate jet, "Medium" for a turbo prop or heavy twin, and "High" for piston aircraft-including open cockpit and warbirds. An auxiliary audio input with Intercom/AUX priority switching which ideal for dedicated GPS and traffic warning systems. The customizable audio prioritization control let's you select "Mute" and "Mix" settings. Bose Bluetooth connectivity allows wireless connection to your smartphone for calls an listening to music. Unique to Bose headsets, the A30 has the "double-tap" talk through feature allowing the user to better communicate with those outside the intercom-ideal for airline use. The A30 is available with standard GA dual plugs, 6-pin Lemo, U174 helicopter plug, and 5-pin XLR plug, and comes with a durable carry case.

Bose A30 Key Features:
- Up to 40% greater active noise reduction than conventional aviation headsets
- Up to 50% less clamping pressure than conventional aviation headsets
- Low-Medium-High selection for noise cancellation
- Clear audio with active equalization
- Bluetooth audio and communications interface for connectivity with your communications and navigation devices
- Talk-Through for communicating with those not on intercom
- Customizable audio prioritization control lets you mute audio signal when receiving communications
- 5-Year Factory Warranty

P/N 857641-3120	Bose A30 w/ BlueTooth/Battery Power	$1249	**Bose Headset Accessories**		
P/N 857641-3140	Bose A30 w/ BlueTooth/Panel Power	$1249	P/N 327079-0010	Bose A20 Ear Seals	$35
P/N 857641-3130	Bose A30 Heli w/BlueTooth/Battery Power	$1249	P/N 327078-0010	Bose A20 Headpad	$25
P/N 857641-2120	Bose A30 Battery Power	$1249	P/N 327080-0010	Adapter 6-Pin LEMO Plug to GA Plugs	$50
P/N 857641-2140	Bose A30 Panel Power	$1249	P/N 323172-0010	Panel Power Installation Kit	$49
P/N 857641-2130	Bose A30 Heli Battery Power	$1249	P/N 022243	Bose X Headset Ear Seals	$25

BOSE® PROFLIGHT 2 HEADSET

The Bose ProFlight 2 Lightweight ANR provides in-ear active noise cancellation for long-term comfort over extended flights, with many new features designed specifically for airline and corporate aircraft flight decks. Only the Bose® ProFlight 2 Aviation Headset features advanced Bose technology in an innovative new form factor, with features designed for lower noise environments and the unique needs of pilots who fly in airline flight decks and corporate jet aircraft. ProFlight 2 is Bose's smallest, lightest active noise cancelling communication headset ever. Three user selectable levels of active noise cancellation, a quick release, side swappable down cable and mic, Bose Acoustic Noise Cancelling® technology and full function Bluetooth connectivity. The ProFlight 2 headset features tap control for talk-through communication, allowing pilots to better communicate with those outside the intercom. Proflight's 2 form factor is unlike any other headset – a highly stable, headbanded in-ear configuration without the usual intrusive deep-insert eartips. The Bose ProFlight 2 Aviation Headset, like the award-winning A20® Aviation Headset, is FAA TSO and EASA TSO-C139a certified.

Bose ProFlight Key Features:
- Designed for turbine/jet aircraft
- 4.5-Ounce (128-gram) on-head weight
- Tap control for talk-through communication
- Thin flexible cable
- Bluetooth® and non-bluetooth variants available
- Digital active noise cancellation
- FAA TSO and E/TSO-C139A Certified
- Three user selectable modes of noise cancellation
- Side swappable mic

P/N 789812-2020	ProFlight 2 ANR Headset Dual Plug-No Bluetooth	$995
P/N 789812-5020	ProFlight 2 ANR Headset Dual Plug-Bluetooth	$1045
P/N 789812-5040	ProFlight 2 ANR Headset 6-Pin Lemo Plug-Blueluetooth	$995
P/N 789812-5070	ProFlight 2 ANR Headset 5-Pin XLR-No Bluetooth	$1045

LIGHTSPEED

DELTA ZULU ANR HEADSET

The Lightspeed Delta Zulu ANR headset is a revolution in groundbreaking technologies that not only has outstanding cockpit noise reduction, it provides safety enhancements for pilots and passengers. Lightspeed's engineers collaborated with a team of highly qualified flight and safety experts to develop a digital platform and groundbreaking new technologies to make flying safer. Delta Zulu features a carbon monoxide sensor built right into the headset helping to keep you and your passengers alert and safe with audible warnings. Just sync the Bluetooth in the headset with your smart phone and the free Lightspeed app allows you to check the CO sensor data visually during flight. The built-in Bluetooth enables cell phone communications and stereo music streaming, and you can also record radio conversations, playback trans-missions, and archive flight recordings for post-flight.

Delta Zulu introduces a built-in audio equalization system called HearingEQity™ that ensures crystal clear flight communication. Through an automated 12-frequency hearing test that can be taken through the Lightspeed app, HearingEQity sets the hearing level in each ear of your headset to create your individual hearing profile and compensates for any hearing variations between ears.

Delta Zulu weighs just 14.9 ounces and the tapered performance ear seals are designed to hug the curve of the jaw for a natural fit, increasing comfort and clarity while also providing a better seal around eyeglass or sunglass frames. Cup cavities allow the entire ear to fit comfortably inside. Delta Zulu comes in the box with carrying case, single port wall charger, lithium-ion battery pack, AA battery case, UAC to USB-A cable, a cord shirt clip, and Lightspeeds industry leading 7-year warranty.

P/N 4074	Delta Zulu ANR Headset w/Dual GA Plugs-Battery Power	$1099
P/N 4075	Delta Zulu ANR Headset w/6-Pin Lemo Plug	$1099
P/N 4079	Delta Zulu ANR Headset w/U174 Helicopter Plug-Battery Power	$1099

ZULU 3 ANR HEADSET

The Lightspeed Zulu 3 is designed for the discerning pilot looking to invest in a high quality ANR aviation headset built for longevity and with unsurpassed attention to comfort details. Zulu 3 features the legendary Lightspeed comfort and durability that has earned the loyalty of private pilots, too. With full Bluetooth integration, enjoy excellent call clarity, music fidelity, and wireless access to critical audio alerts from aviation apps on mobile devices, and Lightspeeds FlightLink free aviation app that can capture and retrieve incoming and outgoing communications. The magnesium earcup is superior at blocking high frequency noise, and Lightspeed's MicroPort technology offers greater ANR consistency over a large range of low frequency noise. The low-profile stainless steel headband provides lightweight durability, sturdy cables built around a Kevlar core, and an industry leading 7-year warranty make Zulu 3 a great ANR headset value.

Zulu 3 is available with three models; The battery powered version uses two "AA" batteries to run the ANR for up to 35 hours and has a battery status indicator. The auto shut-off will keep the batteries from discharging if you forget to turn the ANR off. The battery powered versions include either the standard dual GA plugs, or the single plug U-174 for helicopters. Zulu 3 is also available with 6-pin LEMO plug that plugs in to a matching panel installation, getting power from the aircraft, thus eliminating the need for batteries.

P/N 4064	Zulu 3 with Battery Power	$899
P/N 4065	Zulu 3 with Panel Power	$899
P/N 4069	Zulu 3 Helicopter Plug and Battery Power	$899

SIERRA ANR HEADSET

The ideal choice for any pilot advancing to a premium ANR headset, Sierra offers a better experience for you and your passengers. Quiet and comfortable, the premium Sierra ANR headset is value-priced yet still delivers quality on advanced features like dual volume control, Bluetooth connectivity, ComPriority™, plush ear seals, and a reversible headband designed for left or right microphone placement. Sierra is compatible with Lightspeed's FlightLink, which is a free aviation app for iPad and iPhone, allowing headset to wirelessly capture and retrieve incoming and outgoing communications in the cockpit. The ANR will operate for up to 40 hours on two "AA" batteries, and the battery status indicator will let you know when the batteries are getting low, and the auto shut-off feature keeps the batteries from discharging if you forget to turn the ANR off. Sierra weighs just 16 ounces, and includes a padded headset case, music interface cable, and 5-year warranty.

| P/N 4000 | Sierra with Battery Power | $699 |

LIGHTSPEED HEADSET ACCESSORIES

P/N A490	ZULU/Sierra Ear Seals	$35	P/N A491	Sierra Headpad	$19
P/N A483	ZULU Headpad	$19	P/N A139	ZULU/Sierra Mic Muff	$5
P/N A484	ZULU Tall Headpad	$19	P/N A119	Zulu Refresher Kit	$50

DC X-SERIES ENC HEADSET

Leading edge technology and sleek, supra aural design puts the DC ONE-X and DC PRO-X a generation ahead of any other aviation headset in its class. They offer the perfect combination of comfort and performance, featuring feather-light yet extremely rugged magnesium alloy head band and suspension system, and a best-in-class Hybrid Electronic Noise-Cancelling technology and Bluetooth compatibility. DC ONE-X and DC PRO-X is available with either standard dual GA plugs or 6-pin lemo connector and a headset bag is included.

The new DC ONE-X headsets feature larger ear seals that fully enclose your ears for a better fit and better ANR performance.

P/N DC ONE-X	ENC Headset	**$895**			
P/N DC ONE-XP	ENC Headset w/LEMO Plug	**$895**	**P/N DC PRO-XP2**	ENC Headset - 6-Pin LEMO Plug	**$785**
P/N DC PRO-X2	ENC Headset - AA Battery/GA Plugs	**$745**	**P/N DC PRO-2**	Passive Headset-GA Plugs	**$380**

H10-13X ANR SERIES

This ANR headset is based on the popular H10-13.4 with all of the reliability and comfort that made the 13.4 popular.

- Auto Shut Off
- Super Soft, Foam-Filled Pillow Headpad
- Flo-Fit Gel Ear Seals
- Battery Power Supply
- Universal flex boom with the exclusive M-7A Amplified Electret noise-canceling microphone
- 23 dB passive / 12-17 dB more active
- Weighs 17 oz.

P/N H10-13X	With 9V Battery Pack	**$720.00**
P/N H10-13XL	With 9V Battery Pack and Coil Cord	**$818.65**
P/N H10-13XP	With Panel Power Module	**$779.10**
P/N H10-13HXL	With Helicopter Plug (9V battery pack)	**$831.65**
P/N H10-13HXP	With Helicopter Plug (Panel Power)	**$785.39**

H10-13.4

The H10-13.4 series is one of the most comfortable passive headsets in the industry. Proven, reliable performance and remarkable comfort have made the H10-13.4 the top choice for thousands of pilots.

- Expanded, super-soft, double foam, head pad
- Larger, yet lighter, undercut, Comfort Gel ear seals
- 5-Year Warranty, Made in the USA
- FAA TSO Approved C-139
- Weight (without cord assembly): 16.5 oz
- Certified Noise Reduction Rating – 23 dB

P/N H10-13.4	Passive Mono Headset	**$336.43**
P/N H10-13 S	Stereo with Dual Volume Controls	**$342.94**
P/N H10-13 H	Coil Cord and Helicopter Plug	**$355.96**
P/N H10-13 Y	Youth Headset	**$336.43**

H10-30

- M-1/DC microphone, the best Amplified Dynamic microphone on the market
- Flo-Fit Gel Ear Seals
- Molded cord assembly

P/N H10-30	**$285**

H10-60

- Headset Pressure Adjustment
- Noise Reduction Rating 23 dB
- Headband Size Adjustment
- M-7A Microphone
- Super-Soft, Foam-Filled Pillow Headpad
- Flo-Fit Gel Ear Seals
- The standard model with a straight cord (5') and dual plugs for fixed-wing use

P/N H10-60	**$385.25**

H20-10

The headset of the future. Made from advanced composite material and having the most unique custom comfort feature.

- Extremely Lightweight
- Patented Headpad Suspension
- Flo-Fit Gel Ear Seals
- 22 dB
- Weighs 19 oz.

P/N H20-10	Passive Mono Headset	**$361.31**
P/N H20-10S	Stereo w/ Dual Volume Controls	**$369.00**

HEADSET BAG

Black ballistic nylon headset carry bag with DC Logo. Fits one headset with split front pockets for maps, pens and full width pocket in back to accommodate a clip-board, book or magazine.

P/N 40688G-08	**$22.95**

ADDITIONAL HEADSETS

P/N H10-00	$223.20		**P/N H10-60H**	$399.43	
P/N H10-20	$332.90		**P/N H10-66XL**	$309.75	
P/N H10-26	$349.43		**P/N H10-76**	$314.80	
P/N H10-36	$299.85		**P/N H10-76XL**	$884.20	
P/N H10-56	$368.75				

ACCESSORIES

P/N 40243G-05	Ear Seals – Gel H20-10	**$54.95**
P/N 09168P-33	M-7A Electret Microphone	**$49.95**
P/N 40688G-36	Super Soft Headpad Kit	**$35.95**
P/N 40592G-01	Sheepskin Headpad Kit	**$33.95**
P/N 40863G-02	Ear Seals – Comfort Gel/Undercut	**$23.95**
P/N 40243G-02	Ear Seals – Gel/Flo-Fit	**$22.95**
P/N 18981G-01	Comfort Cover for Headpad	**$8.50**
P/N 22658G-01	Comfort Cover for Ear Seals	**$8.50**
P/N 18316G-02	Ear Seals – Foam Filled	**$8.50**
P/N 12500G-02	"Stop Gap" Temple Cushions	**$5.75**
P/N 18434G-02	M-1/DC Mic Muff	**$5.50**
P/N 40062G-02	M-7A Mic Muff	**$4.50**
P/N 40062G-01	M-4 Mic Muff	**$4.50**

TELEX

LIGHTWEIGHT ANR HEADSETS

For more than 50 years, Telex innovations have provided pilots with the quality communications they depend on for safe, enjoyable flying. Only Telex offers the unmatched combination of advanced microphone technology, superior noise protection, comfort, and reliability.

It is this long history in aviation, unique understanding of the market, and unmatched combination of capabilities which positions Telex as a supplier to every major airplane manufacturer.

P/N Airman8-P0210	Airman 8+ ANR	**$725**
P/N Airman8-0210	Airman 8 ANR	**$545**
P/N 301317-000	Airman 850 ANR	**$499**

ECHELON-20 PASSIVE HEADSET

Designed for students, budget minded pilots, and value-conscious experienced fliers, the Telex Echelon™ 20 full cushion aviation headset offers comfort, excellent hearing protection and value. The Echelon 20 provides an impressive 20+ dB of passive noise protection and a top-quality noise canceling electret microphone for clear, reliable communications. The Echelon 20 features a low-profile headband for even weight distribution plus patented ComfortCam™ technology, a three-click tension adjustment system for a custom fit. Special earpieces with foam ear-seals pivot two ways to conform to any wearer while detent sliders adjust the headband — making the Telex Echelon 20 a comfortable headset for any flight.

P/N Echelon-20	Passive Headset	**$199**

LIGHTWEIGHT PASSIVE HEADSETS

The Airman 750 headset is the best-selling lightweight headset in the world. Weighing in at only 3.2 ounces, this headset is standard equipment on more than 70 percent of commercial airframes. The Airman 750 features an amplified noise canceling electret mic for crystal clear voice transmission. A flexible boom allows microphone adjustment to preferred side, and the adjustable stainless steel headband make the Telex Airman 750 comfortable even on the longest flights. The standard Airman 750 is a two-ear headset. Both are FAA TSO C57a & C58a approved

P/N 64300-200	Airman 750 Passive Headset	**$330**

AIRCLASSICS HS-1A HEADSET

Now with New Flex Boom Microphone! Good communications are essential for a successful flight. ASA provides this in the HS-1A with the most advanced technology, maximum comfort, high-quality components, and sleek look — all for a reasonable price! Designed, engineered, and manufactured by experts in the headset business, ASA is so confident in the quality, the HS-1A is guaranteed against defects in materials and workmanship for the life of the original owner. Protect your hearing, don't miss any radio calls, and be certain your transmissions are heard with this feature-rich, value-priced headset.

P/N ASAHS1A	AirClassics HS-1A Headset	**$109**

OPTIONS:

P/N ASABAGHS1	Single Headset Bag	**$19.95**

S-20 HEADSET

The S-20 is a great entry-level headset and the value leader in the Sigtronics headset line. The S-20 doesn't compromise on quality with its excellent noise canceling M-80 microphone light weight, and 3 year warranty.

P/N S-20	Passive Headset	**$147**
P/N S-20H	Helicopter Headset	**$187**

S-68 HEADSET

The S-68 headset has all the comfort and performance features of the S-58 headsets with a completely different look. The gold titanium plated hardware and textured matte finish high performanceblack ear cups make the S-68 a great looking headset.

P/N S-68	Headset	**$299**
P/N S-68H	Helicopter Headset	**$309**

S-58 HEADSET

The S-58 headset is unequaled in performance, comfort, and features by any other passive headsets. With a tough powder coated frame, long lasting gel ear seals, and high noise environment microphone with easy adjust flex boom, the S-58 a headset will be a pleasure to fly with for years.

P/N S-58	Passive Headset	**$237**
P/N S-58S	Stereo Headset	**$267**
P/N S-58H	Helicopter Headset	**$255**

DENALI ANR HEADSET

Extremely lightweight headset offering exceptional performance and outstanding comfort. Designed to fit more comfortably than any other aviation headset, providing excellent passive noise attenuation along with outstanding performance. Provides additional 19-21db Active Noise Reduction and is equipped with SPS – a digital power management circuit – to preserve battery life. Weight: 13 oz.

P/N D90ANR   Headset   **$399.95**

CLASSIC ANR

One of the most comfortable headsets on the market also comes with ANR noise canceling technology. The Classic ANR reduces key low frequency noise up to 40dB. Power comes from one 9V battery lasting up to 25 hours and features include comfortable polar fleece headpad, Conforr Foam ear seals, dual volume controls, flexible mic boom, and noise canceling electret mic. Weight: 18.2 oz.

P/N CLASSIC ANR   Headset   **$329**

FLIGHTCOM

INTERCOMS

S)lgtronIcs

403MC VOICE ACTIVATED INTERCOM

The smallest intercom available today. Panel size of 3" x 1-1/4" and 2" deep. The 403mc is a mono, voice activated, 2 or 4 place intercom with pilot isolate, volume & squelch controls, two position transmit capability, and music input with avionics muting on conversation and incoming transmissions. Includes mic and phone jacks. Size: 2.625" x 2.375" x 1" Weight: 3.6 oz.

P/N		
P/N 403MC	Intercom w/Jacks	**$149**
P/N 403	Stereo Intercom w/Jacks	**$229**
P/N 403LSA	2-Place intercom w/Jacks	**$189**

IISX 2 PLACE & 4 PLACE

Smart modular design keeps cockpit clutter-free. Offers Pilot Isolate for uninterrupted radio communications. Consumes 40% less power than its predecessor. Gives low battery warning, music input, modular flexibility, and an economical price. Size: 4.25" x 2.18" x 2.31" Weight: 10.5 oz.

P/N IISX	2-Place Portable Intercom	**$109**
P/N IISX/SR-4	4-Place Portable Intercom	**$139**

SPA-400/400N/600

- FAA TSO approved
- Pilot fail safe feature allows pilot to always hear radios
- Reversible face plate included for vertical or horizontal mounting
- Size - Panel 2.5" x 1", Chassis 4" x 2.5" x 1"
- Weight - 4.5 oz. chassis, 5.5 oz. jacks & wiring harness
- Installation hardware includes jack kit & pre-wired harness

P/N SPA-400	4-Place Panel Mount Intercom	**$216**
P/N SPA-400N	4-Place High Noise Intercom	**$237**
P/N SPA-600	6-Place Panel Mount Intercom	**$252**

PORTABLE INTERCOMS

- Music input
- Size - 4" x 2.9" x 2"
- Weight - 14 oz. with battery and DC power cord

P/N SPO-22	2-Place Portable Intercom	**$187**
P/N SPO-22N	2-Place High Noise Portable Intercom	**$210**
P/N SPO-42	4-Place Portable Intercom	**$210**
P/N SPO-42N	4-Place High Noise Portable Intercom	**$252**

HEADSET/INTERCOM ACCESSORIES

BOSE

Bose Panel Power Installation Kit
P/N 323172-0010   **$60**

Military Headset Adapter
Adapts Low Impedance to High
P/N PCA-29   **$65**

Dual Headset Adapter
P/N PCA-15   **$39**
P/N PCA-16 Dual Mic Adapter **$19**

Headset Extension 5'
**P/N PCA-13**   **$39**

Helicopter Adapter
P/N PCA-17   **$39**
- Converts standard headset to helicopter
- Adapts headphone and microphone plugs via jacks to helicopter U93A/U 8" long

Helicopter Adapter
P/N PCA-18   **$39**
- Converts helicopter headset to standard
- Adapts a helicopter U93A/U via U92A/U to headphone and mic 8" long

1.	**P/N PCA-21**	**$8**	5.	**P/N PCA-25**	**$19**
	.206 Mic Jack			U174/U Military Plug	
2.	**P/N PCA-22**	**$7**	6.	**P/N PCA-26**	**$19**
	1/4" Headphone Jack			U92A/U Military Jack	
3.	**P/N PCA-23**	**$9**	7.	**P/N PCA-27**	**$5**
	.206 Mic Plug			Microphone Panel Jack	
4.	**P/N PCA-20**	**$6**	8.	**P/N PCA-28**	**$5**
	1/4" Headphone Plug			Headphone Panel Jack	

ALUMINUM JACK HOUSING

P/N	DESCRIPTION	PRICE
AG-JH1	Black Crinkle Finish	$23.95
AG-JH2	Tan Crinkle Finish	$23.95
AG-JH3	Natural Finish	$23.95
AG-JH5	Four Jack Holes	$23.95
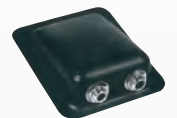
Jacks not included

HIGH IMPACT PLASTIC JACK HOUSING

FOR ASHTRAY HOLES
P/N AVB   **$23.95**
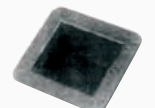
PUSH-TO-TALK SWITCH
P/N PTT   **$15**

LIFT HEADSET BAG

This sturdy bag has room for all the essentials, but won't get in your way. Includes a large headset pocket, iPad pocket and multiple organizer sections with room for all your accessories. A helpful exterior pocket makes it easy to grab your backup radio in an emergency. Steel-reinforced carrying handles will haul even the heaviest load, and the reinforced sides offer additional protection. Signature orange interior makes it easy to find the flashlight or pen in the dark.
Specs: Weight (empty): 2 lbs. External size: 12"h x 10.5"w x 9"d

P/N FO-LIFT	Flight Bag	$99.95
P/N FO-LIFT PRO	Flight Bag Pro	$99.95

LIFT XL FLIGHT BAG

Flight Outfitters has a reputation for making some the hardest working, best looking flight bags in the world. The Lift XL is a larger version of the top-rated Lift Bag, adding more room for storage (including two headsets) and more organization options, all while retaining the signature design features that make Flight Outfitters bags so useful in the cockpit. For professional pilots who prefer an understated, all-black look, the Lift XL Pro is ideal. Slides over your rolling luggage for easy transport.

P/N FO-LIFTXL	LIFT XL Flight Bag	$129.95
P/N FO-LIFTXL-PRO	LIFT XL Pro Flight Bag	$149.95

BUSH PILOT FOLIO BAG

Whether you're soaring above the clouds in your Cirrus or closing a big deal in your desk chair, this Folio Bag looks like it just left the flight deck of a DC-3. But while the Bush Pilot Folio has plenty of style, it's also a very practical bag, storing a surprising amount of gear without looking bulky or weighing you down. It has separate pockets for your tablet and laptop, plus a large center compartment and plenty of exterior pockets. You can keep everything separated but easy to find. For further utility, the Folio Bag has a rear strap to securely attach it to your roll-aboard.

P/N FO-BPFOLIO	Bush Pilot Folio Bag	$149.95

BUSH PILOT BAG

The Bush Pilot bag is canvas with leather accents on the outside, and the inside has the signature Flight Outfitters orange, making it easy to find gear in a dark cockpit. There are two large padded side pockets for headsets. The large front zip pocket has 4 organization pockets, for chargers and other smaller items.

P/N FO-BUSH PILOT	Flight Bag	$149.95

BUSH PILOT JACKET

This new jacket is essential equipment for your next adventure, whether you're flying seaplanes in Alaska or splitting wood in your back yard. Its rugged exterior blocks out wind and rain, and can stand up to almost any abuse. But the Bush Pilot jacket is as comfortable on the inside as it is tough on the outside, with a quilted body lining and Sherpa accents to keep you warm. It's the bomber jacket for the modern pilot.

P/N FO-M-BPJACKET-XXX	Bush Pilot Jacket	$99.95

SURVIVAL KNIFE

This knife is much more than just a blade. Designed to be the perfect emergency accessory for pilots, this knife could save your life when in a pinch. Along with a locking serrated blade, there is a window breaker, seat belt cutter, LED flash-light, and magnesium alloy fire starter-all in pocket sized folding knife.

P/N FO-SURVIVAL KNIFE		$29.95

BUSH PILOT FLASHLIGHT

Illuminate the night with this powerful, rechargeable flashlight. Smart Select Dial provides five unique light modes that can be accessed without scrolling through each one. Blast up to 1,000 lumens of white light for safe preflight inspections, or provide up to 120 hours of low-level green light so you don't disturb sleeping passengers. An adjustable beam provides spot and flood light modes, and there's even a strobe setting for emergency signalling.

P/N BP-FLASHLIGHT		$99.95

3-IN-1 FLASHLIGHT

Flashlight, cliplight, and headlamp in one compact device. This multifunction light can replace a whole bag full of flashlights and headlamps, but it's small enough to carry on every adventure—perfect for the hangar, airplane, garage, and campsite. Rugged aluminum construction and long-lasting LEDs mean you can count on the 3-in-1 Pilot's Light for years of service, but the simple operating logic is easy to use in a dark cockpit. Whether you're inspecting the landing gear or lighting up the panel, this light can do it all.

P/N FO-MULTILIGHT	3-in-1 Flashlight	$39.95

IPAD KNEEBOARDS

The new Flight Outfitters iPad Kneeboards take cockpit organization to a whole new level. Loaded with innovative, pilot friendly features, these kneeboards provide a sturdy mounting bracket for an iPad Mini or Air. The bracket rotates for both portrait and landscape orientation. The side of the kneeboard consist of a structured pocket that, when unzipped, creates a rigid platform. This platform is sized perfectly for a small 3" x 5" notepad (included) or cellphone. Lined with soft felt, this platform holds any size phone. Heavy-duty elastic leg strap securely holds the kneeboard in place. Includes drawstring bag for storage.

P/N FO-KB3-LG	iPad Kneeboard	$59.95
P/N FO-KB3-SM	iPad-Mini Kneeboard	$49.95

SURVIVAL EQUIPMENT

COMFORTMAX LIFE VESTS

Revere's Comfort Max series of inflatable life vests provide all the comfort and safety you need while looking smart wearing it. It's so comfortable fitting, you'll want to wear it all the time! USCG approved for persons at least 16 years of age weighing 80 lbs. and above with a chest size between 30" and 52". Provides for easy adjustment with both hands and a more custom fit. Exterior inflation system access flap. Allows for clear, direct access to the CO2 cylinder for rearming. CO2 cylinder can be replaced without opening and unfolding the entire PFD. Waist strap and back strap attachment points fully connected and reinforced from inside for added strength. Heavy duty 420 denier nylon packcloth outer cover. Twin 2" wide back straps for comfort and security. Includes whistle and SOLAS Grade retro-reflective tape panels on inflatable bladder. Comfortable neck. The neck area has no Velcro or edge binding to cause chafing or abrasion for all-day comfort.

P/N 45-61018-101N	Comfortmax - Navy Blue	**$109**
P/N 45-61018-101R	Comfortmax - Red	**$109**
P/N 61098-101N	Navy Blue (Belt Pack Style)	**$69**
P/N 61098-101R	Red (Belt Pack Style)	**$69**

SLIDE-DOWN AIRCRAFT TIE DOWNS

The SlideDown Tie Downs are the quickest and easiest method for securing your aircraft to ground anchors. Using super-strong 7/16" kernmantle braided rope that is available in a choice of colors, pilots have been raving about the ease and simplicity of securing their aircraft using SlideDown. The kit includes a set of three SlideDowns –one for each wing and the tail. The powder coated slides are made from aircraft grade aluminum and then precision drilled allowing for easy sliding but also a tight hold. Vinyl coated hooks prevent any scratching.

P/N SD-OW	Orange/White Tie Down	**$72.95**
P/N SD-BK	Black Tie Down	**$72.95**
P/N SD-GW	Green/White Tie Down	**$72.95**
P/N SD-WB	White/Blue Tie Down	**$72.95**
P/N SD-RW	Red/White Tie Down	**$72.95**

GEIGER CO CARBON MONOXIDE DETECTOR

Much smaller, more responsive, USB rechargeable and more affordable Geiger CO is a key fob-sized unit that provides real time aural alarm when carbon monoxide levels are dangerously high. The auto calibrating unit includes an aural alarm and a visual LED scale that is designed to be very sensitive to carbon monoxide, avgas, and other volatile organic compounds. Geiger CO is just 1.2" x 2" in size, so it is easy to have in the cockpit. Built in a solid aluminum case, it rugged and bright orange color.

P/N GEIGER CO	CO Detector	**$69.95**

AIRGIZMOS WHEEL CHOCKS

These chocks are unique because they are stackable. This feature really cuts down on the amount of space required to carry them in the plane. The durable plastic sides are lightweight, but are made to take a lot of abuse. There is space on the sides to put your airplane's number (you supply the vinyl lettering). The edges of these chocks are made of non-skid material, so they stay where you put them and they also won't damage anything else in your baggage compartment.

P/N AC1	Wheel Chocks	**$18.95**

AIRGIZMOS GUST LOCKS

If you fly for very long you will quickly realize the importance of locking your control surfaces when leaving the plane outdoors. The AirGizmos Gust Locks are designed to quickly lock virtually any control surface securely. It's bright color and integrated flag reminds you to remove before flight. The rubber cushions ensure that your finish will be protected, and the 24" "Remove Before Flight" flag make the locks more visible. Simply slide the gust lock in place and tighten the strap to secure in place. They are lightweight and portable. Perfect for carrying in the plane wherever you go.

P/N AC6	Single Gust lock	**$35.95**
P/N AC7	Gust Locks 3-Pack	**$94.95**
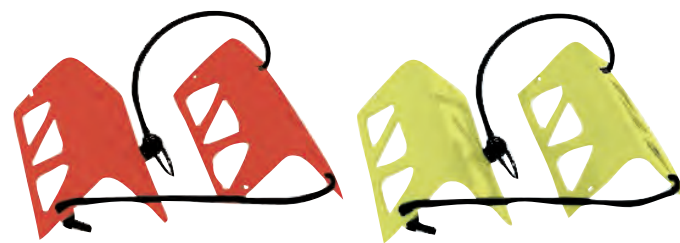
TRAVEL CHOCKS

Aluminum high-quality, lightweight wheel chocks come with a bungee cord and clip that ensures they will stay in place.

	STANDARD (2" x 2" x 8")	**SMALL (1.5" x 1.5" x 6")**
	$37.95	**$32.95**
Blue	**P/N AG-TC1**	**P/N AG-TC5**
Yellow	**P/N AG-TC2**	**P/N AG-TC6**
Red	**P/N AG-TC3**	**P/N AG-TC7**

CARBON MONOXIDE DETECTOR

Easy to read visual indicator which turns gray to black depending on concentration of carbon monoxide gas in the air.

P/N ASA-CO	**$5.95**

CX-3 ELECTRONIC FLIGHT COMPUTER

Fast, versatile and easy to use, the CX-3 delivers accurate results quickly and efficiently. It can be used on all FAA and Canadian pilot, mechanic, and dispatcher knowledge exams. Whether used for flight planning, ground school, or knowledge testing, the menu organization reflects the order in which a flight is normally planned and executed, giving a natural flow from one function to the next.

P/N CX-3   Electronic Flight Computer   **$119.95**

E6B FLIGHT COMPUTERS

The ASA-E6B Flight Computers feature the classic slide rule style and easy to read lettering for easy computations of time, speed, distance, altitudes, airspeed, winds and navigation. The E6B-1 Mini version fits easily in shirt pocket.

P/N ASA-E6B	Classic Metal	**$36.95**
P/N ASA-E6B-P	Lightweight Fiber	**$13.95**
P/N ASA-E6B-1	Mini Version	**$34.95**

VFR AND IFR KNEEBOARD

Attractive, brushed aluminum with instrument or visual information clearly silk-screened on boards.

Features include:
• Comfortable, 1-1/2" elastic legband that hugs the leg without binding
• Velcro fasteners adjust withoutremoving kneeboard
• Pencil/pen holder within legband for fast note taking.

The 4-3/4" wide metal clip is easy to lift and strong enough to hold NOS charts and other necessary papers. Kneeboard is 6-1/2" wide x 9-1/2" high.

P/N KB-1   VFR   **$17.95**   **P/N KB-2**   IFR   **$ 17.95**

LONG TRI-FOLD KNEEBOARD

The elongated kneeboard accommodates all aeronautical charts without additional folding. 3-panel jacket provides plenty of room for charts, books, flight computers, etc. Useful information on board, strong elastic leg strap.

P/N ASA-KB-3L   Tri-Fold Kneeboard   **$38.95**

AIRCRAFT LOGBOOKS

Designed to help keep your records in order.

|		
P/N ASA-SA-1	Soft cover, 64 pages	**$5.95**
P/N ASA-SA-2	Hard cover, 94 pages	**$12.95**

Includes twice as many pages as the competition with entries for avionics equipment, VOR accuracy, transponder and ELT checks, AD and SB compliance, and maintenance records.

P/N ASA-SA-V   Soft cover, 64 pages   **$5.95**

Record data for hub and blade inspections, repairs and alterations, airworthiness directives, and factory bulletins.

P/N ASA-SP-L   Soft cover, 20 pages   **$4.95**
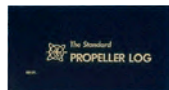
Keep track of inspections, tests, repairs and alterations, airworthiness directives, manufacturers mandatory service bulletins, and equipment removal or exchange.

P/N ASA-SE-1	Soft cover, 62 pages	**$5.95**
P/N ASA-SE-2	Hard cover, 95 pages	**$12.95**

FLIGHT TIMER 3

Designed by pilots for pilots, the ASA Flight Timer is a one of a kind chronometer that fills a gap in the instruction and pilot aid category. Includes 2 AAA alkaline batteries.

P/N ASA-FLIGHT-TIMER-3   **$49.95**

FIXED PLOTTER

Constructed of sturdy clear plastic with easy-to-read numbers and scales. It includes WAC Sectional and Terminal Area Scales, and is checked and approved by the Weights and Measures Department. Quick scale reference is provided for both statute and nautical miles.

P/N ASA-CP-1   **$9.95**

STUDENT CSG

Constructed of rugged plasticized composite material. It conforms to the instructions and examples in Jeppesen manuals, workbooks and audiovisual programs. Comes with instruction manual and case.

P/N 10001316	Student CSG	**$13.95**
P/N 10001317-002	Metal CSG	**$34.95**

TRI-FOLD VFR KNEEBOARD

Strong aluminum tooled clipboard fits snugly into black 3-panel jacket. Has room for charts, books, flight computers, etc. Useful information on board, strong elastic leg strap.

P/N ASA-KB-3   Tri-Fold VFR Kneeboard   **$31.95**

TRI-FOLD IFR KNEEBOARD

Strong aluminum tooled clipboard silkscreened with important IFR information fits into black 3-panel jacket. Has room for charts, books, flight computers, etc.

P/N ASA-KB-3I   Tri-Fold IFR Kneeboard   **$31.95**

PROFESSIONAL PILOT LOGBOOK

The book the pros use. Aviation's most popular professional logbook can handle 10 years of data. It includes simplified pilot and aircraft annual summaries. The quality construction matches the professional look of the Airway Manual binders. The gold signature strip allows you to personalize the cover with your own signature.

P/N 10001795-006   **$13.95**   Size: 6-3/4" x 11-1/4"

PILOT LOGBOOK

Designed for lifetime durability, this 96-page permanent record offers large flight time category spaces, arranged according to FAA regulations. It's become the standard of the industry. It's printed on "easy-eye" green pages that resist "bleed through", and bound with a high quality, scuff-resistant, #24 Sturdite book cloth.

P/N 10001315-002   **$13.95**

STANDARD LOGBOOKS

Standard Pilot Log		Standard Pilot Log	
P/N ASA-SP-30	**$9.95**	**P/N ASA-SP-57**	**$12.95**
Standard Pilot Log		Standard Pilot Master Log	
P/N ASA-SP-40	**$12.95**	**P/N ASA-SP-6**	**$26.95**

GARMIN®

SWITCH OUT YOUR VIEW

GI 275 UPGRADES FOR
YOUR ENTIRE PANEL

Explore the full range of
instrument options, including
attitude indicator, standby AI,
HSI, EIS, MFD and CDI,
at Garmin.com/GI275

GSB™ 15 USB Charging Hub

GMA™ 345 Audio Panel

G5 Attitude Indicator

GNC 355 Nav/Comm Radio

GNC® 255 Nav/Comm Radio

G5 HSI

GTX™ 335 ADS-B "Out" Transponder

GET A PANEL UPGRADE THAT'S RIGHT ON THE MONEY.

ADD THESE MODERN, RELIABLE AVIONICS TO YOUR AIRPLANE FOR LESS THAN YOU THINK.

GARMIN.COM/GENERALAVIATION