SPXM1
Marine Digital Media Receiver

SPXM1

Stinger

SOURCE | MUTE | P-MODE | BAND
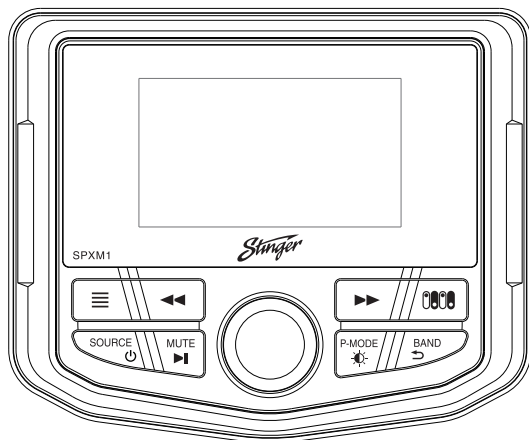
Installation Guide

Be sure to read this installation manual thoroughly before carrying out installation and making connections. Installation of this product requires technical skill and experience. It is recommended to have it professionally installed by an authorized Stinger or Phoenix Gold Dealer.

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PRECAUTIONS

Disconnect the vehicle's negative battery cable before making any wire connections.

Protect all vehicle surfaces with tape or plastic.

Do not install components in any location that will hinder vehicle operation, such as steering wheel, gearshift, air bags, hazard switch.

Bundle cables and harnesses with electrical tape or wire ties to prevent them from interfering with moving parts.

Never attempt to disassemble or modify the product. Otherwise, an accident, fire or electric shock may result.

Exposed wires must be insulated with electrical tape. Otherwise, a short circuit, fire, or electric shock may result.

To prevent damage to the vehicle, confirm the locations of hoses, electrical wiring, and the fuel tank prior to drilling holes to install this product.

When it is necessary to replace the fuse, always use a fuse of the correct rating (number of amperes). Use of fuses with higher amperage ratings may cause a fire.

Parts List

SOURCE UNIT	TRIM PLATE	MOUNTING BRACKET
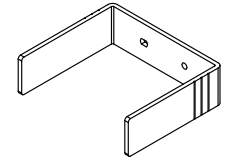
3.5 X 25 MOUNTING SCREW (4)	M4 X 35 THREADED STUD (2)	M4 FLANGE NUTS (8)

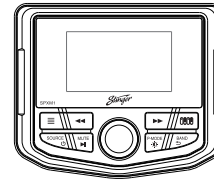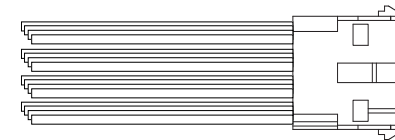POWER / SPEAKER WIRE HARNESS

CUSTOMER SOLUTIONS:
800-477-2267
Mon-Fri 9AM-8PM EST
customersolutions@aampglobal.com

TECHNICAL SUPPORT:
727-592-5991
Mon-Fri 9AM-8PM EST
Sat 9AM-7PM EST
support@aampglobal.com

Recommended Tools

Multimeter	Cutting Tool / 3" Hole Saw
Wire Strippers	8mm Wrench (Flange Nuts)
Wire Cutters	Battery Terminal Wrench
Drill / Drill Bits	Soldering Iron
Phillips Screwdriver	Heat Gun
Wire Crimpers	

Optional Accessories

Mounting Options

SPXR2
Wired Marine Remote
Control the SPXM1 from the swim deck or seating area.
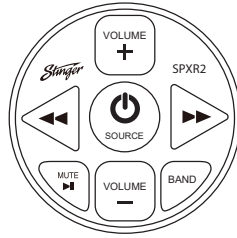
SPXSH440
Solid State Power Bank
Control external accessories such as lighting, audio or any other 12V accessory right from the SPXM1 using the SPXSH440.

SEADASH3
Universal Marine 3" Radio Kit
Plastic bezel plate makes updating a single DIN to 3" gauge style head unit easy-peasy. Available in Black and White.

SMRAUXUSB3
Marine USB & AUX Input
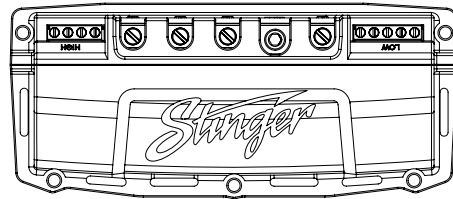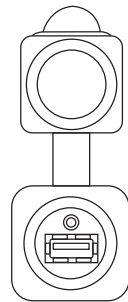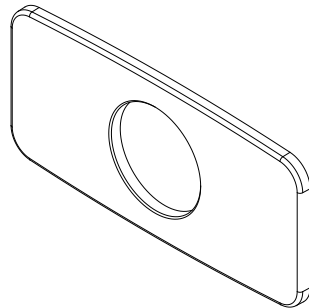Molded connectors with machined, nickel-plated, brass contacts offer superior connection integrity, signal transfer and maximum corrosion resistance.

Visit StingerElectronics.com for a full line of Marine speakers, amplifiers, lighting, batteries and accessories

- The SPXM1 can be mounted using the Mounting Bracket or Mounting Screws.
- When possible, it is recommended to use both the U Bracket AND Mounting Screws.
- The mounting hole is 3" diameter. A 3" hole saw is recommended.
- Mount on flat surface. Check for obstructions behind mounting location before cutting.
- Ensure there is adequate space for the radio chassis and wire harness behind mounting surface.
- When using the U Bracket and plastic dash kit, do not overtighten, as it may cause discoloration of the dash kit on the front face.
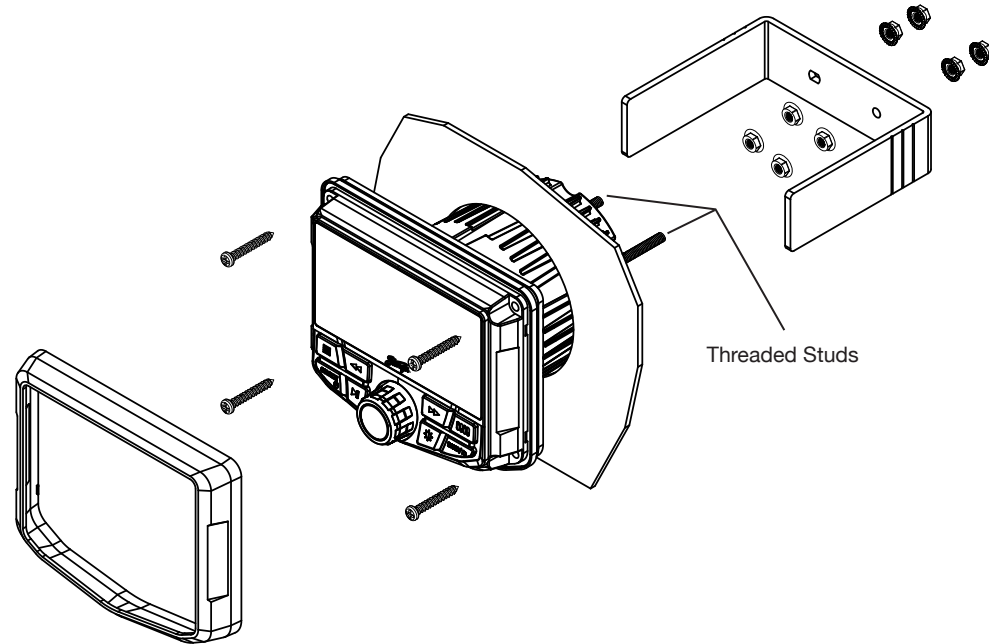
Threaded Studs

Using The Mounting Bracket
Insert and tighten threaded studs into back of radio.
Insert harness and chassis through mounting hole.
Slide U Bracket onto both studs.
Use supplied nuts to adjust and tighten bracket.

- Solder and heat shrink or waterproof butt connectors are recommened for all wire connections
- RCA, USB and Antenna connections should be secured with heat shrink
- The SPXM1uses EEPROM memory, so there is no (Yellow) wire connected to the battery
- The Red (ACC 12V+) wire should be connected to switched power, not directly to battery
- The Camera/Video Input can be triggered with the Purple/White wire or selected as a Source

ACCESSORY CONTROL WIRING

The SPXM1 has 4 switchable outputs/triggers (FIG. A) that can be used to control external accessories such as lighting, audio or any other 12V accessory, when used with the optional SPXSH440 Power Bank System.

SWITCH 1-4 wires are 12V+ outputs and can activated individually by accessing the ACCESSORY CONTROL source.
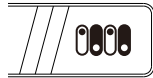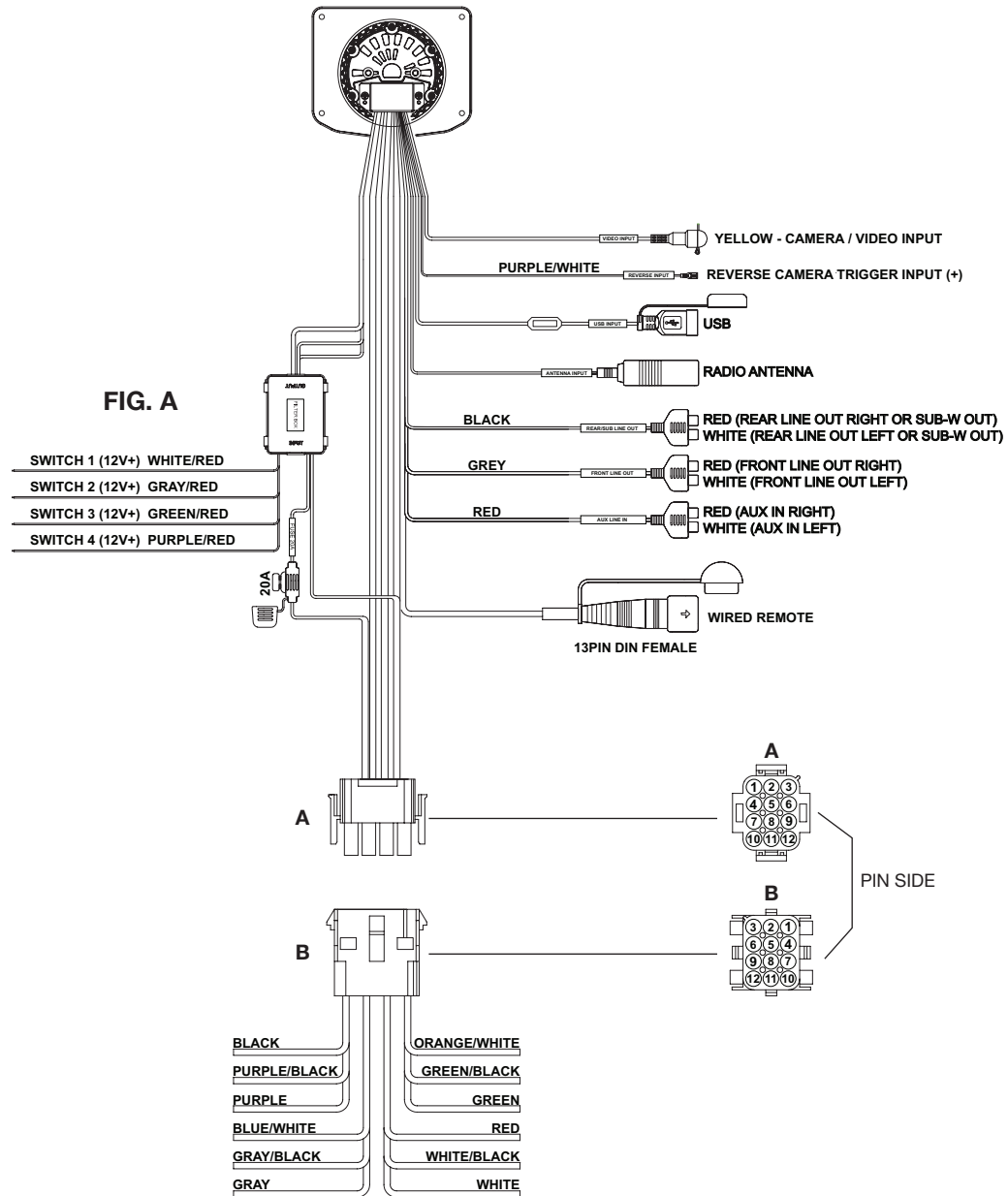
WARNING!

Accessory control outputs are 100mA. Do not connect directly to any accessories or conventional relays. Failure to follow instructions may result in damage to equipment and void the device warranty.

PIN	WIRE COLOR	DESCRIPTION
1	GREEN	REAR LEFT SPEAKER +
2	GREEN/BLACK	REAR LEFT SPEAKER -
3	ORANGE/WHITE	ILLUMINATION +
4	WHITE	FRONT LEFT SPEAKER +
5	WHITE BLACK	FRONT LEFT SPEAKER -
6	RED	ACC 12V+
7	GRAY	FRONT RIGHT SPEAKER +
8	GRAY/BLACK	FRONT RIGHT SPEAKER -
9	BLUE/WHITE	REMOTE/AMP TURN ON
10	PURPLE	REAR RIGHT SPEAKER +
11	PURPLE/BLACK	REAR RIGHT SPEAKER -
12	BLACK	GROUND (-)

FIG. A

SWITCH 1 (12V+) WHITE/RED
SWITCH 2 (12V+) GRAY/RED
SWITCH 3 (12V+) GREEN/RED
SWITCH 4 (12V+) PURPLE/RED

20A

VIDEO INPUT — YELLOW - CAMERA / VIDEO INPUT
PURPLE/WHITE REVERSE INPUT — REVERSE CAMERA TRIGGER INPUT (+)
USB INPUT — USB
ANTENNA INPUT — RADIO ANTENNA

BLACK REAR/SUB LINE OUT — RED (REAR LINE OUT RIGHT OR SUB-W OUT) / WHITE (REAR LINE OUT LEFT OR SUB-W OUT)
GREY FRONT LINE OUT — RED (FRONT LINE OUT RIGHT) / WHITE (FRONT LINE OUT LEFT)
RED AUX LINE IN — RED (AUX IN RIGHT) / WHITE (AUX IN LEFT)

WIRED REMOTE

13PIN DIN FEMALE

A

A
1 2 3
4 5 6
7 8 9
10 11 12

B
3 2 1
6 5 4
9 8 7
12 11 10

PIN SIDE

B

BLACK   ORANGE/WHITE
PURPLE/BLACK   GREEN/BLACK
PURPLE   GREEN
BLUE/WHITE   RED
GRAY/BLACK   WHITE/BLACK
GRAY   WHITE

Specifications

General
Operating Voltage: 10.5V - 16V
Fuse: 20 AMP
Display: 2.7 inch Color TFT
Backlit Water Resistant Panel (IPX-6)
Remote Control: Wired (Optional)

Audio
Peak Power Output: 45W x 4
RMS Power Output: 25W x 4
Speaker Impedance: 4 ohm
RCA Outputs: 2 Pair(Front, Rear or Sub)
Preamp Voltage: 2 Volts
Frequency Response: 20-20kHz
Equalizer: 7 Band Graphic
Crossover: High Pass, Low Pass
Adjustable gain for each source

Tuner
AM/FM/Weather Bands
Presets: 18 FM, 12 AM, 6 WB
Local/Distant Selectable
Auto Store
Motorola Antenna Input

USB 2.0
Location: Rear
1 AMP Output
32GB Max
999 Songs Max
255 Folders Max
File Types: MP3/WMA/FLAC

AUX Input
Location: Rear
Input Type: Stereo RCA

Camera/Video Input
Location: Rear
Input Type: RCA
Video Format: PAL/NSTC
External & Internal Trigger

Bluetooth
Version: 3.0+EDR, A2DP 1.3