



Tactical Support Equipment
www.tserecon.com

Dual Mobile Handheld Radio Box

The Dual Handheld Radio Box is a compact, high-powered, portable, dual radio communications system designed to work with PRC-152A and MBITR 2 radios (And newer variants).

The system has a removable access panel on the backside of the case which covers the input/output interface panel. Antenna, power, USB, GPS and speaker connections are on the backside of the case in order to eliminate clutter in a confined operating space. There are two audio interface connectors conveniently positioned on the front of the case for handset use.

Should the need arise, the radios and amplifiers are easily removed from the box for individual use supporting jerk and run operations.

The Dual Hand Held Radio Box is built into a Pelican 1510 case which meets the size requirements for carry on luggage and can be stored in the overhead compartment of commercial aircraft. The lockable case has storage space for cables, radios, speakers, and handsets.



Part #: TSE-DUAL-HH-BOX
(Radios are GFE)



Features

- Multi-Band 30-512MHz
- World-Wide Power Sources
- Airline Carry-On
- 3-Year Warranty
- 50 Watts Transmit Power
- PRC-148, 152, 152A and MBITR II
- ANW2, SRW, IW & P25 Compatible
- Jerk and Run Capable

Available on GSA Schedule [GS-35F-0039T](#)

Tactical Support Equipment Inc.
4039 Barefoot Road
Fayetteville, NC 28306
www.tserecon.com

For More Information
Contact sales@tserecon.com



Phone: 800.889.4030
Phone: 910.425.3360
Fax: 910.425.3361

Specifications (TSE-DUAL-HH-BOX)

LINE OF SIGHT	
RF Power Output:	24 Watts @ 12 VDC*/50 Watts @ 24-30 VDC & AC Input*
Frequency Range:	30-512 MHz with Automatic Frequency Detection
Modulation Format:	AM/FM/MPSK, ASCM, ANW2, SRW, IW, P25, HaveQuick and SINCGARS Compliant
RF Power Input:	2-20 Watts CW/PEP
Max RF Power Input:	20 Watts CW/PEP
Harmonics:	-60 dBc
Transmit Duty Cycle:	4:1 RCV to TX
Insertion Loss:	1.5 dB Max

GENERAL	
RF Power Switch:	Five Position, 10-50 Watts (certified for updated MIL-STD-188-181C)
Mode Switch:	User Selectable LOS, SATCOM, SATCOM w/LNA & Frequency Hop
Input Power Source:	12-30 VDC/100-240 VAC
Power Consumption TX:	11A @ 28 VDC, 14A @ 12VDC, 5.4A @ AC
Power Consumption RCV:	SAT 175mA, LOS 100mA
LOS Antenna Ports:	BNC Female
SATCOM Antenna Ports:	BNC Female
Audio Ports:	6-Pin, Handset Ports on Front Side, Speak Ports on Rear
Data Ports:	Dual USB Connectors for Computer Interface/Radio Programming
Input/Output VSWR:	1.5:1 Typical
VSWR Mismatch:	High VSWR indicator, no damage due to mismatch
High Temperature:	Power Fold-Back Protection and Indicator
DC Off RF Bypass:	Routes RF input to LOS Port
Operating Temperature:	-20 C to +60 C
Cooling:	Natural Convection
Dimensions:	22" L x 13.81" W x 9" D
Weight:	35 lbs.

SATCOM	
RF Power Output:	24 watts @ 12 VDC*/50 Watts @ 24-30 VDC & AC Input*
Frequency Range:	RX 242-268 MHz, TX 292-318 MHz with Automatic Frequency Detection
Modulation Format:	FM/Multi-Phase 5 or 25 KHz Bandwidth
Co-Site Suppression:	30 dB
Receive Gain:	10 dB Typical
Switching Speed:	IW, DAMA (JITC Certified)
RF Power Input:	2-20 Watt CW/PEP
Max RF Power Input:	20 Watt CW/PEP
Harmonics:	-60 dBc
Transmit Duty Cycle:	4:1 RCV to TX
Noise Figure:	3 dB Max
* Note: RF output figures are average across the 30-512 MHz frequency spectrum. Power output may exceed 50 watts or drop to 25 watts, depending on input power and actual frequency.	

INCLUDED COMPONENTS:
Worldwide AC Power Adapter
DC Power Cable w/Alligator Clips
DC Power Cable w/Ring Terminals
OPTIONAL COMPONENTS:
Man-Portable Helical SATCOM Antenna
Trivec Avant Antennas
COMROD Antennas
Handsets
High Efficiency Loud Speaker

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Specifications subject to change without notice, the information in this document does not form part of any contract or quote.