

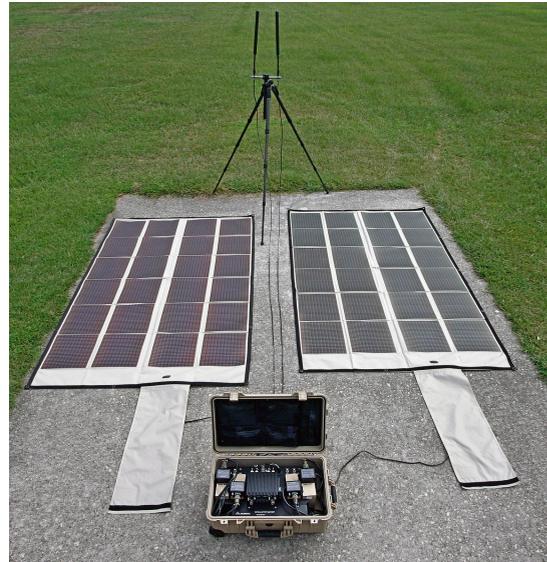
Mesh Network Repeater/Gateway Box

TSE Inc.'s Mesh Network Repeater/Gateway Box (**MNRGB**) was designed to allow user to extend the range and act as a gateway between channels to cross connect wireless Mesh Networks.

The **MNRGB** is Size, Weight and Power (SWaP) optimized. Designed to be efficient, lightweight and small to meet the demands that other like systems cannot address. The **MNRGB** takes lessons learned with technology improvements to bring our customers the best possible Mesh Network Repeater/Gateway Box solution.

Designed for unattended operation, the **MNRGB** can be recharged from Solar Panels or external AC or DC power sources. The weatherproof solution can withstand heavy rain, snow and sand storms.

Customers can GFE Mesh Network Radios or we provide them as part of the overall kit as needed.



Part #: TSE-MN-RG-BOX-S

(Customer must GFE Mesh Radio to integrate)

Features

- Unattended Operation
- Extends Network Range
- Gateway Between Channels
- Recharges from Solar or External AC or DC Power Sources
- Designed with SWaP in mind
- Small Footprint
- Transportable by One Person
- Operates from Rechargeable or Primary Cell Batteries

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-MN-RG-BOX-S)

(Can be used with other model Mesh Network Radios, box specifications will vary for other radios)

Frequency Range	30-512 MHz, 1775-1815 MHz, 2200-2250 MHz
Waveforms	TSM, VHF/UHF AM/FM Plain Text (Point-to-Point)
Radio Operation	Supports Two Simultaneous use Channels
Power Output	8-Watts Per Channel
External Power Input	9-36 VDC or 110/220 VAC (Battery Charging and Operating)
Solar Panels	2ea Foldable External Solar Panels (Recharges Internal Batteries)
Internal Power	9-30 VDC (Operation of Internal Radio)
Battery Life	Operations for 3-6 Days Unassisted without External Power (varies with operation modes)
Total Battery Capacity	39.6 Ah / 24 VDC or 79.2 Ah / 12 VDC
Battery Type	Rechargeable BB-2590/U or Non-Rechargeable BA-5590 family of Batteries
Battery Operation	Internal Switch to Select Type of Battery Used for System Operation: Rechargeable or Non-Rechargeable Batteries
Case Type	Weatherproof, Crushproof, Dustproof with Retractable Handle and Wheels
Transportation	Capable of Being Carried by One Person (Includes Case and All Accessories)
Mast/Tripod System	Allows user to Relocate Antennas and can Extend from 12 to 15 ft.
Antennas	High Gain Antennas for Use on Mast/Tripod System
Rear Access Panel	External Connectors with Dust Caps for each Connector and Protective Shipping Cover External Connectors: DC Power Input (6-Pin Amphenol), AC Power Input (3-Pin Amphenol), Solar Power Input (2-Pin Amphenol), L-Band RF (TNC), VHF/UHF RF (TNC), GPS (SMA)
Dimensions	22.00" x 13.81" x 9.00" (55.9 x 35.1 x 22.9 cm)
Case Weight	40 lbs. (with Radio)

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