

COMSTRBO™ RDS

Rapid Deployment Mobile MOTOTRBO™ System (Vers.2.0)

Made in USA by COMSYSTEMS (IWC Group)

“A CUSTOMIZED RADIO SOLUTION”



Key Benefits

- **Fully functional *transportable*.**
 - **MOTOTRBO™ repeater**
 - **Ideal for emergency critical or back-up situations**
 - **Immediate Deployment**
- Wide range of options**

Picture



- Antennas Connectors
- Power 110/220vac
- Power 12vcc
- Intranet

COMSTRBO™ RDS

Portable MOTOTRBO™ System

COMSTRBO™ RDS has taken Motorola's MOTOTRBO™ repeater (SLR,DR,MTR)25w to 100w to the next level by making the system transportable. The entire system is conveniently packaged together with a duplexer in a hard-shell mobile case in 19" Rackmount 4U, allowing easy access with the front and back panel removable. A panel near the handle (all protected in IP64 easy to connect in 110/220vac or 12 vcc)all connectors and interfaces are in customized panel.

Standard Features:

- Complete digital repeater - allowing up to **two simultaneous voice or data calls** on one 12.5 kHz channel
- Available in VHF and UHF frequency ranges
- Analogue or/& digital operation - allowing use with any available radio
- Powered with 110/220 Vac or 12 Vdc, with internal protection against double powering
- External connection panel allows all the needed connections to the exterior panel (RF x 2, Ethernet, AC/DC power)
- Internal duplexer (standard) or two antenna operation
- Independent operation or connectable to an existing IP Site Connect® multi-site system
- A front-back ventilation system providing a wide operating temperature range: -30°C to 55°C allowing for operation in any environment

Standard Package Includes:

- 1 Repeater installed in transportable case on a metallic rack with 45° sliding capabilities
- 1 Duplexer (factory tuned option)
- 1 power cable set:- for 220 Vac or (110 Vac) & 12Vdc crocodile crimps

Options

Ideal for Critical Response Situations

COMSTRBO™ RDS is the perfect solution for MOTOTRBO™ users dealing with mission critical and emergency situations when communication capacities are in high demand and connectivity to existing Digital and/or Analog communications systems is essential. Its portability allows for working in the most rugged of terrain and difficult condition providing the confidence required of knowing you have a fast, reliable communication deploy minor fingertips.

Deployable in Minutes

COMSTRBO™ RDS is ready to go whenever and wherever you are. Once you have reached your destination simply connect the antenna and cables to COMSTRBO™ RDS and switch on the power. Simple. Easy. Reliable. If time is critical the system can be turned on by using the internal battery backup (if equipped) for a maximum of four hours until it can be connected from an external power source. The special metallic rack (included with the basic model) allows the repeater to slide at a 45° angle offering access to the front panel. Additionally you have the capability and benefit of using the IP Site Connect® feature by connecting the LAN cable or wireless antenna.

RDS Options

Case Options:

- RDS — Mobile/Transportable Version (Standard Delivery)
- RDS — Shock Resistant Version (liard shell transportable case for normal use)
- RDS — Military Standard Version (MIL transportable case)
 - Zinc plated carbon steel
 - Shock Mounted 19" rack (also ideal for Public Safety applications)

Frequency Options:

- VHF (136 - 174 MHz)
- UHF1 (403 - 470 MHz)
- UHF2 (450 - 512 MHz)

Antenna Options:

- Mobile, magnet mount
- Fixed Fiberglass
- Two Antennas (to avoid duplexer constrains)
- Custom câble lengths
- Telescopic antenna Transportable Tactical Telescopic Mast (3TM) from 4 to 15m high. *See Picture 1*

Additional System Options:

1. Broadband communication for back to back link (With additional mount in a 3TM .
2. 24 Vcc power option (Standard 12 Vdc) - adds internal DC-DC converter
3. Back up battery option (Increases weight by approx. 6.5 kg)
4. Wireless IP Connectivity (adds internal wireless LAN switch.)
5. Safe mobile Ready (Able to use with Safe mobile AVL/GPS Applications — Safe Dispatch & Safe Net)
6. (TSG) Transportable Solar Generator: 3500w /output 110Vac or 220vac including 1solar Panels 135w .See Picture 2.

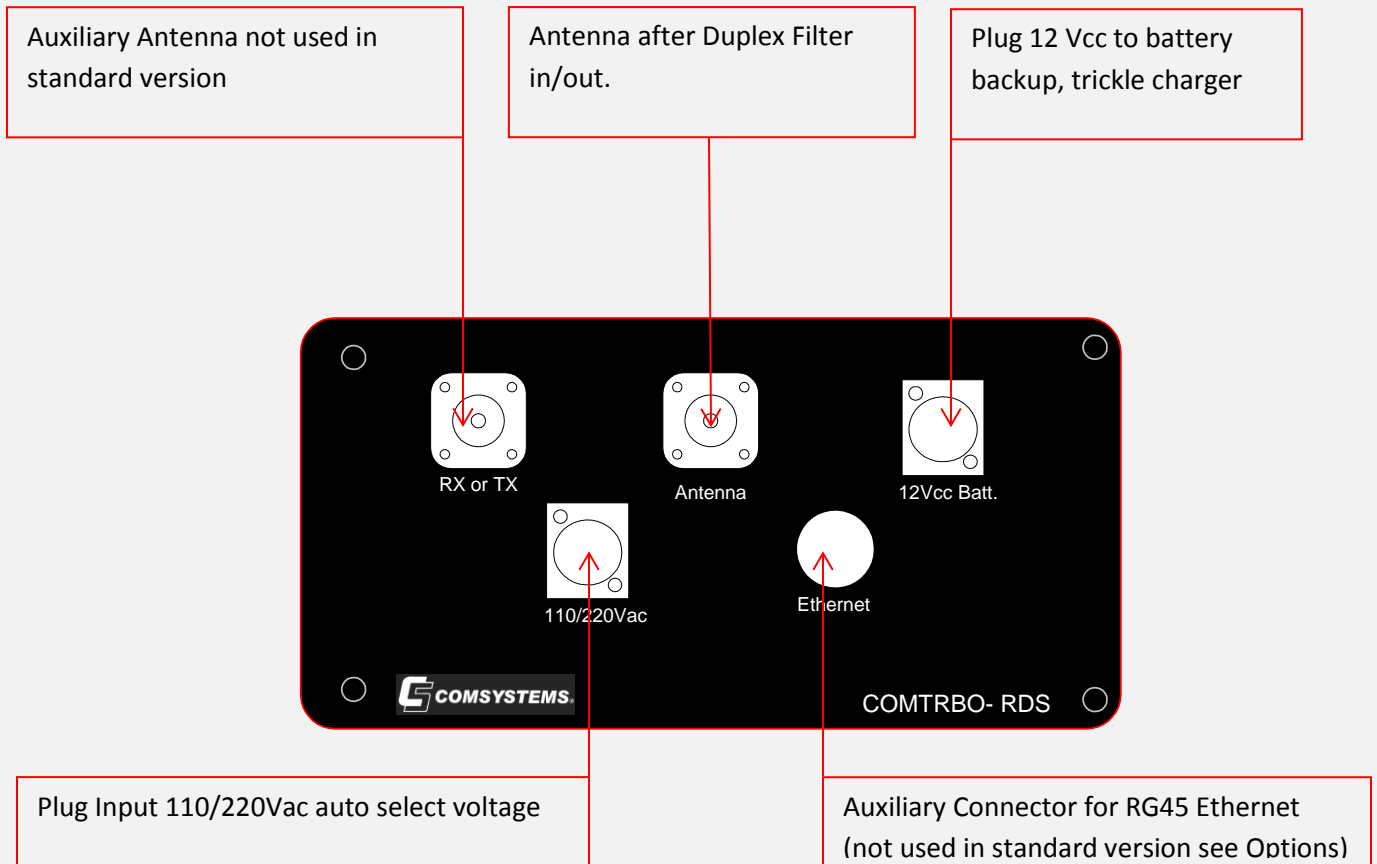


Fig 1



Fig 2

CONTROL PANEL FOR COMSTRBO™



System Integration

Integrated

“A CUSTOMIZED RADIO SOLUTION”

Broadband

Two-way Radios

GPS/AVL

Infrastructure

Emergency Communications

Head Quarters :
COMSYSTEMS™ Solutions
Tel +1 239 293 0293/9991
sales@comsystems.com