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ROMTraX VMS-9601

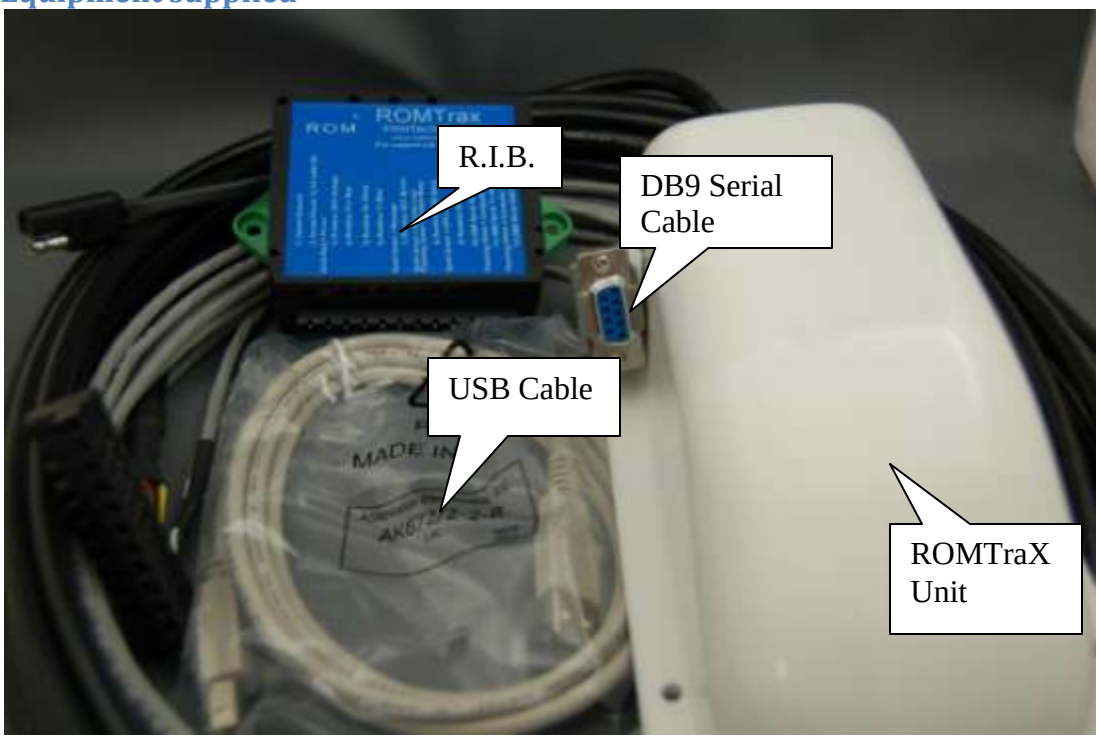
Expanded Installation Guide

This document covers the steps to install the ROMTraX satellite modem for use with the DFO E-LOG program, ROM's GlobalX email program and VMS position tracking.

Please read ALL instructions before beginning installation of the ROMTraX VMS-9601 unit.

*Note: A **small flat tip screwdriver, electrical tape and any mounting hardware will be required.***

1) Equipment supplied



a) ROMTraX modem with 6 meters of 7 conductor cable
b) ROMTraX Interface Box (RIB) with mounting tabs and 12 position connector.
c) 6 meter DB9 serial cable
d) 2 meter USB cable

Optional equipment;

e) 12 volt 12 amp hour battery pack, with 4 meter lead, and polarity protection connector
f) Stainless steel mounting bracket for the ROMTraX unit

2) Site Preparation

The ROMTraX modem needs to be mounted in a location where it has a clear view of the sky in order for the GPS and Satellite modem to send and receive signals. Avoid mounting the ROMTraX unit near a RADAR transmitter / Radome.

a) The ROMTraX modem has 2 magnets for mounting onto metal and 4 mounting holes for screws.
b) The location of the ROMTraX should allow for easy feeding of the seven conductor cable to where the RIB box is mounted.
c) The RIB box should be mounted in a location where the LEDS can be observed with room to connect and disconnect the 12 position connector easily.

3) Installation

a) The ROMTraX unit is shipped with the 7 ROMTraX wires and the 3 DB9 serial cable wires attached to the RIB. Note the position of the wires in the 12 position connector and disconnect the wires from the connector. *Record the RID number that is printed on the bottom for future reference.*

- **RID NUMBER: _____**

b) Mount the ROMTraX modem **horizontally** in a suitable outdoor location with a clear view of the sky. 4 mounting holes are provided in the flange of the housing for this purpose. These same 4 holes will match up to the optional stainless steel "L" bracket, if a vertical mounting surface is more convenient.
c) Feed the 7 conductor cable into the location where the RIB is to be installed. The stripped wires of the cable should be wrapped with electrical tape to prevent damage during the feeding of the cable.
d) Reconnect the wires into the 12 position connector using the label on the RIB as a guide. **DO NOT INSERT CONNECTOR INTO RIB!!!!!**

e) Mount the RIB in a suitable indoor location where the LEDs will be visible using the 2 mounting tabs provided.

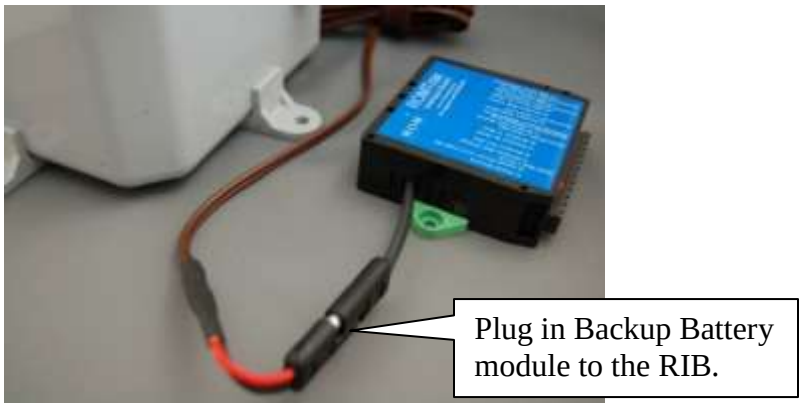
f) If using the DB9 Serial cable, disconnect the 3 wires of the cable from the 12 position connector and feed the cable from the computer location to the RIB. Reconnect the wires into the 12 position connector using the label on the RIB box as a guide.

g) If using the USB cable to connect to the computer, route as required, and plug the USB2 end into the side of the RIB.

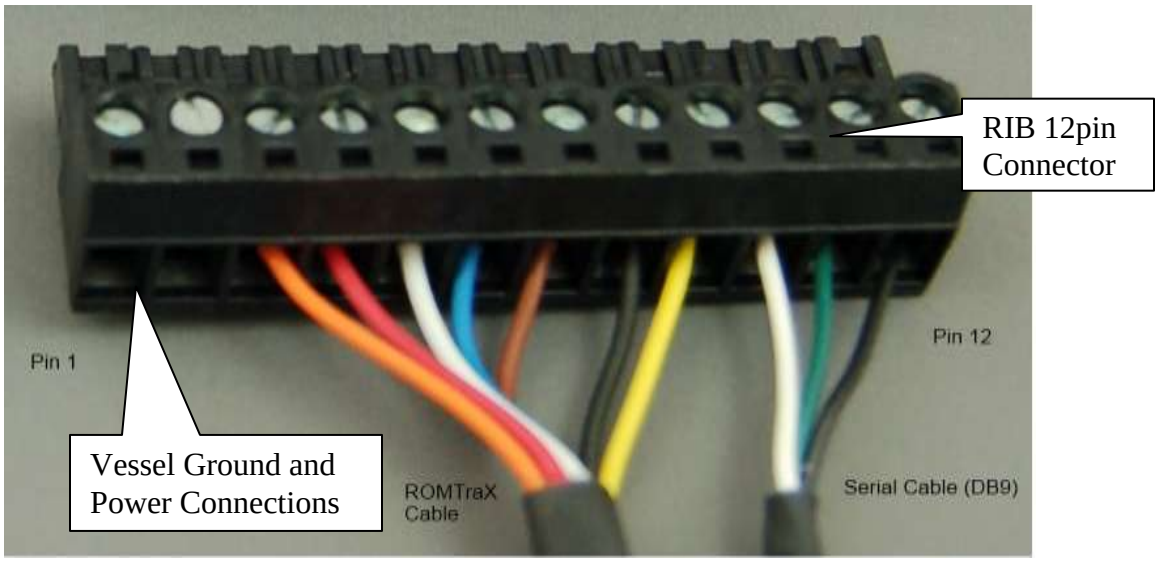
Power

a) Connect vessel power to the 12 Position connector as indicated on the label of the RIB, ensuring correct polarity. Connect the vessel power, +12 Volts DC, line through a 5 amp fuse. Connect vessel ground, -12 Volts DC, to the RIB.

b) (Optional) Mount the backup battery pack in a suitable location using the 4 mounting feet, preferably on the floor as it has some weight. Run the cable up to the RIB, and connect to the polarity safe connector on the RIB.



4) Double check for correct wiring on the 12 position RIB connector.



PIN Locations

1) Vessel Ground
2) Vessel Power 12-14 Volts DC
3) ROMTraX Orange
4) ROMTraX Red
5) ROMTraX White
6) ROMTraX Blue
7) ROMTraX Brown
8) ROMTraX Black
9) ROMTraX Yellow
10) DB9 Serial White
11) DB9 Serial Green
12) DB9 Serial Black

5. Insert Connector into RIB and verify operations.

Please refer to the VMS-9601 user guide for operation.