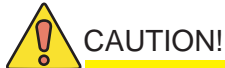


Configuring the network prior to installation is recommended to allow the transponder communication to be verified while the technician is on-site eliminating the need for a second visit if there are any problems.

Provision the RF MAC Address

The RF (modem) MAC Address is printed on barcode labels on the side of the DPM (Fig.3), as well as on the packing slip.

- Provision via the proper DOCSIS® configuration file.



CAUTION!

For units in service, backup battery power will not be available during the procedure.

Hardware Installation Procedure

1. Install the DPM.

- Turn the XM2-300HP battery circuit breaker off.
- Disconnect the battery from the front of the XM2-300HP.
- Disconnect the temperature sensor.
- Loosen the three inverter module thumbscrews, and slide the inverter module out of the power supply.
- Remove the existing communications panel from the inverter module.
- Place the transponder on the sheet metal, inserting the RF connector through the hole in the angled flange. Secure the circuit board to the panel with the two supplied Phillips head screws.
- Insert the 18 pin header (Alpha p/n: 540-492-19) into the 18 hole connector on the backside of the DPM.
- Press the DPM into the Inverter Module, aligning the 18-pin header correctly with the Inverter Module connector (Figures 4-6).
- Tighten the two captive screws to secure the assembly to the inverter module.
- Reinstall the inverter module, and tighten the three thumbscrews.
- Connect the environmental controller and/or LAP, and tamper switch (if present).
- Reconnect the battery, and temperature sensor.
- Turn the battery circuit breaker back on.



CAUTION!

Verify the battery breaker remains in the OFF position during installation procedure.



Fig. 4, 18 Pin Header (Alpha p/n: 540-492-19)



Fig. 5, Inverter Module connector

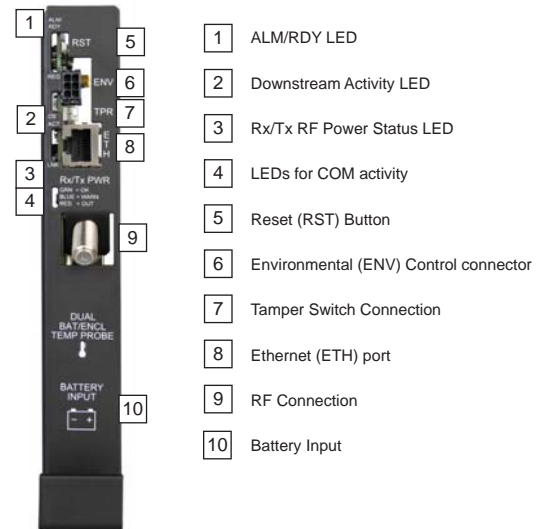


Fig. 1, Front view with callouts



Fig. 2, Smart Display



Fig. 3, Captive Screw /MAC Address Label location



Fig. 6, Connecting the DPM to the Inverter Module

2. Connect the RF drop and make front panel connections (as shown in Fig. 7).

The DOCSIS specification for downstream power level is $\pm 15\text{dBmV}$. However, for optimal performance, set the level as close to 0dBmV as possible.

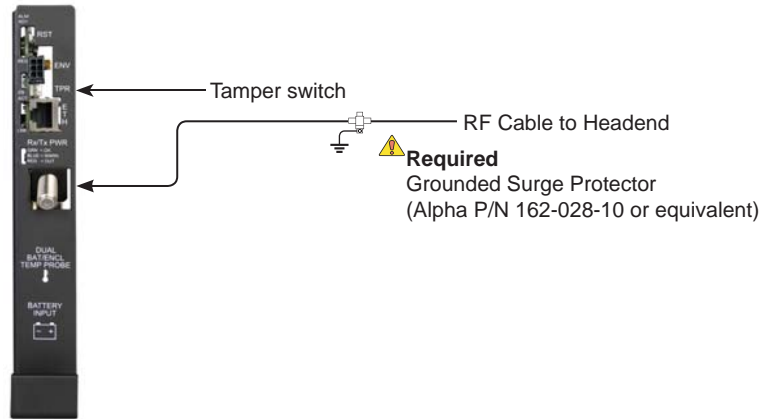


Fig. 7, Wiring Diagram

3. Initial Start-up and Test.

Plug the power supply into the AC outlet and turn on the battery switch (XM2-HP units perform a 10-second self test to check the batteries).

The DPM LEDs blink three times and the RDY light begins blinking on and off.

Verify the DS and REG LEDs are on solid. This verifies the DPM has registered an IP address on the public network.

Verify the RF LED is solid Green, indicating Downstream RF Power is between $\pm 12\text{dBmV}$.

Verify no alarms are active.

4. Test the Connection.

Connectivity may be verified via the COMMS Menu of the XM2-HP smart display (Fig. 1). You may also test the connection using a computer and a standard ethernet cable. Connect the computer to the ethernet port on the transponder, launch an Internet browser (e.g. Internet Explorer), and use 192.168.100.1 in the address field. Connectivity, power levels, and security information will be displayed. The System Name, System Location, System Contact, and Common Logical ID may be edited on this page; when prompted for a User Name and Password, use "Alpha" and "AlphaGet".

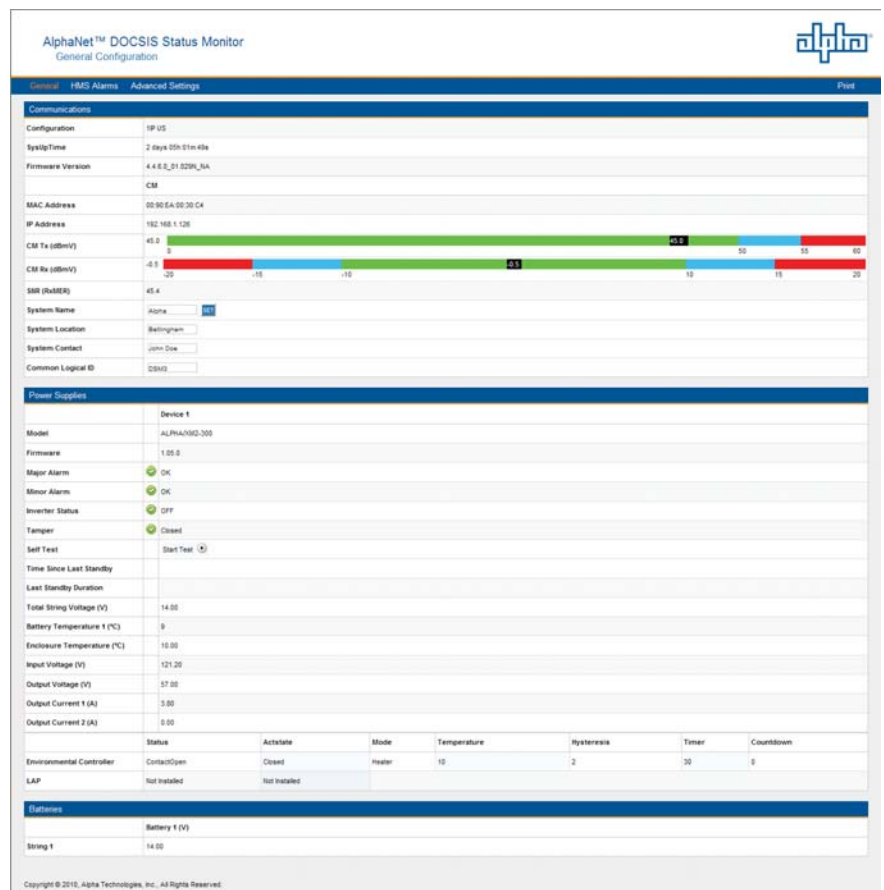


Fig. 8, Configuration Page

For contact information visit www.alpha.com

The Alpha Group >	North America	Europe, Middle East & Africa	Asia Pacific	Latin & South America
	USA Tel: +1 360 647 2360 Fax: +1 360 671 4936 Canada Tel: +1 604 430 1476 Fax: +1 604 430 8908	Cyprus Tel: +357 25 375 675 Fax: +357 52 359 595 Russia Tel: +7 495 925 9844 Fax: +7 495 916 1349	Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21 Lithuania Tel: +370 5 210 5291 Fax: +370 5 210 5292 United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870	P.R. China Tel: +852 2736 8663 Fax: +852 2199 7988 Contact USA office