

R211 Field Connection Test Procedure

Items Required:

A. R211 Package from SATEL USA containing:

- M2M Industrial Cellular Gateway Router
- AC/DC Adapter
- Magnetic mount antenna
- DIN-rail Clip
- Ethernet Cable (RJ-45)

B. Laptop computer with Ethernet adapter

Instructions for Testing:

1. Connect all items in package

Antenna screws on to magnetic base

SMA connector of antenna cable connects to R211

Power terminal connector plugs into top of R211 module

Ethernet cable connects to Ethernet port on R211

2. Turn on laptop and configure for Ethernet connection (most laptops are already configured)

- A. Open “Network Connections” (Control Panel\Network and Internet\Network Connections)
- B. Open the “Properties” of the “Local Area Connection” (requires administrative permission)
- C. Select the “Properties” for “Internet Protocol Version 4 (TCP/IPv4)



- D. Set the laptop for DHCP address assignment by selecting “Obtain IP address automatically”



- E. Close all windows, selecting “OK” and “APPLY” as available.

3. Plug in power supply for R211 and connect the Ethernet cable to the laptop.

- A. Allow for startup time of R211 and also connection time of Laptop.
- B. Verify physical connection with LEDs:
 - Power, Status, and Modem lights should be ON
 - “Warn” and “Err” lights should be OFF
 - At least 1 of 3 signal bar lights should be illuminated

4. Use a Web Browser to verify connection

- A. Confirm R211 is active, enter <http://192.168.2.1> into the web browser address bar.
- B. Login to R211 using login: adm and password: 123456
- C. Using the menu on the top of the page, select: “Status”, and then “Modem”



- 5. The displayed signal level is shown on a scale of 1 – 30, a level of 6 to 9 is the recommended minimum for reliable connection.
- 6. Enter the internet test address <http://www.satelusa.com/r2-test.html> (188 bytes) to confirm network connection.