

# Using the MultiHop Configuration Tool with the MultiHop Ethernet Radio



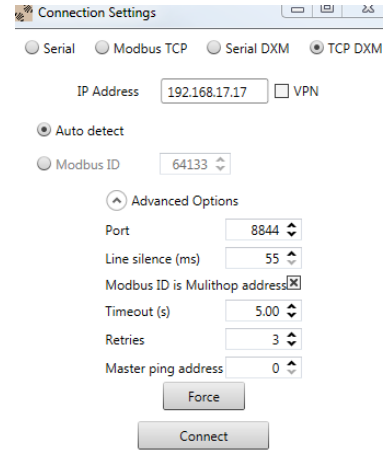
## Using the MultiHop Configuration Tool with the MultiHop Ethernet Radio

The MultiHop Configuration Tool can be used with the Ethernet Data Radios to examine the network topology, conduct a site survey, or adjust parameter settings.

The MultiHop Configuration Tool must be set up to communicate through the Ethernet connection by using the IP address of the master MultiHop Ethernet Data Radio. To use the MultiHop Configuration Tool with the MultiHop Ethernet Data Radio, the computer must be plugged into the same wired network as the master radio.

The default IP address of the Ethernet radios is 192.168.17.17. After connecting, set the MultiHop Configuration Tool's addressing mode to use the device address of the Ethernet radio.

1. Launch the MultiHop Configuration Tool.
2. Go to the **Device > Connection Settings** menu.
3. Select **TCP DXM** and enter the IP address of the master Ethernet radio. Communications timeout and communication retry parameters can also be adjusted on this page.
4. Click **Connect**.
5. Go to the **Network > Network and Device Overview** screen.
6. Enter the Maser Device address into the **Device address** field. From the LCD menu, the device address is shown as (DADR).
7. Click **Read** to view the wireless network.



To conduct a signal strength analysis, or Site Survey, select **Site survey**, then click **Read**. Depending on the size of your network, analyzing the signal strength and displaying the network structure may take a few minutes (about 15 seconds per radio.)

To run Site Survey on a individual radio, highlight the line of the device then right click.

Depending upon the radio link quality, the retry count and timeout parameters may need to be adjusted. Those parameters are found under the **Device > Connection Settings** menu.

Name	Role	Modbus Address	Device Address	Parent Address	Signal Strength	Green	Yellow	Red	Misses	Serial Number	Model Number	Build Date	RF FW PN	RF FW Ver	RF EE PN	RF EE Ver	LCD FW PN	LCD FW Ver	LCD EE PN	LCD EE Ver
IPADDR192168017017	Master	11	64133	64133	0	0	0	0	0	129669	166172	1517	162685	3.5	162687	1.1	136499	3.4	145387	1.0
IPADDR192168017016	Slave	12	14486	64133	0	0	0	0	0	276630	166172	1428	162685	3.1	162687	1.1	136499	3.1	145387	1.0
Unreachable devices addresses																				