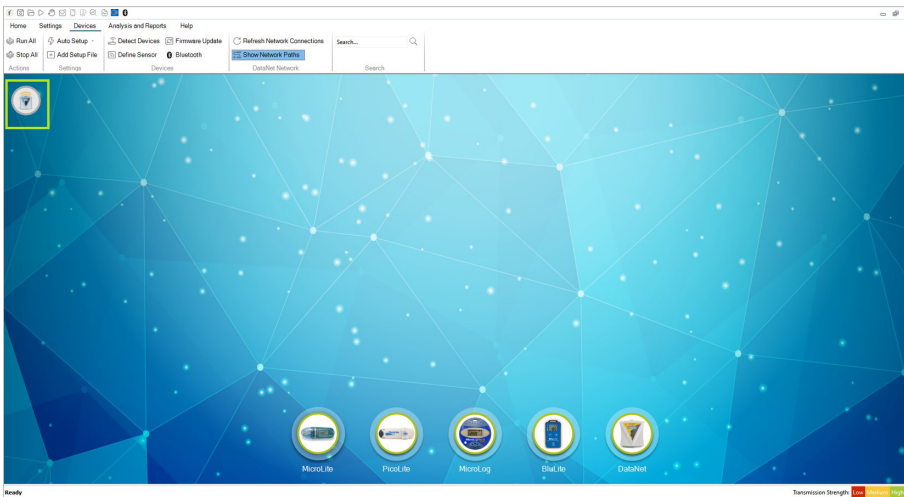


DataNet UserGuide

Connecting the Receiver DNR900-A

1. Install and run DataSuite software on PC.
2. Connect the DataNet Receiver to the to the Fourtec-supplied power adapter or turn on the unit by pressing the Scroll button on the front keypad.
3. Verify that the unit is in Receiver mode by seeing the following screen on the LCD:
Receiver version 1.03.01.02.46.00
4. Connect the mini-USB cable to the computer and to the Receiver's mini-USB port.
The DataNet Receiver icon will immediately appear in the top left corner of the Map View.



Note: If the Receiver is not recognized by the software try connecting the mini-USB cable to other USB port on the PC.
Or select Devices > Detect Device in the software main menu.



the following screen on the LCD:
DataNet Network ID 011.075.065

5. Right-click the Receiver icon and select Form New Network from the context menu. The Receiver will then form a new network based on your RF environment rather than use the network formed in the factory. This will ensure optimal network performance.
6. Check the DataNet network ID that was formed by the Receiver by placing the mouse cursor over the Receiver icon. The network ID as well as network name, Receiver firmware version and unit serial number is displayed.

Adding the Data Logger to the Network

1. Charge the logger for 16 hours if the loggers will run from the battery supply. If the logger will run from the AC power supply, when first connected to the AC adapter the logger will always initiate the 16 hour charge cycle.

DataNet units do not charge when switched off.

Note: For loggers measuring data with the internal temperature sensor, it is critical to note that during the charge cycle the logger will heat up thereby causing the internal temperature sensor reading to rise up to 10 °C above ambient temperature. Once the charging process is complete, the logger will cool down and the internal temperature sensor readings will return to normal.

For loggers remaining connected to AC power, to prevent the logger from heating up again following the initial charge cycle, the logger will receive a one minute trickle charge each day rather than stay continually charged. This is sufficient to ensure the logger doesn't self-discharge and will maintain the logger's full charge status

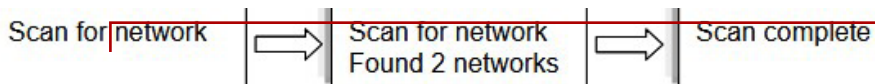


2. Turn on the logger by pressing the Scroll button .

As soon as the unit is turned on, the LCD screen will display the following message:

"Fourtec DataNet Logger"

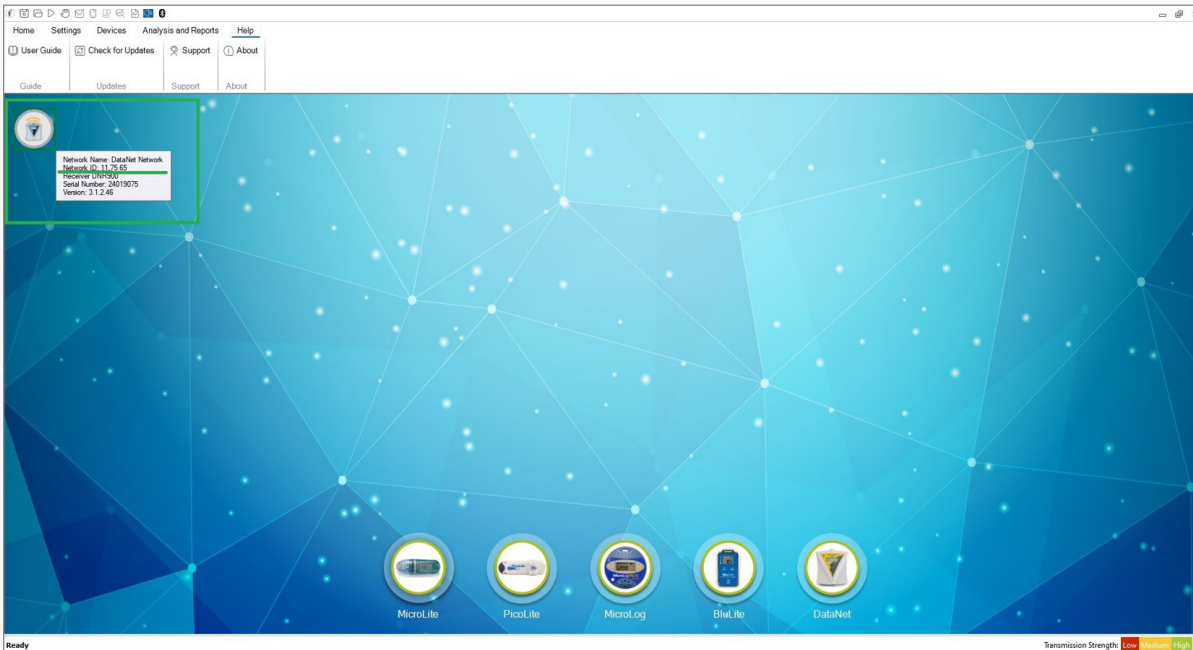
The logger will then start scanning for networks. The LCD will indicate how many networks were found in range, and will announce when the scan is complete. Locked networks will not be listed.



To join the network created by your Receiver (there may be other networks created by your colleagues) scroll through the found networks on the LCD (using the logger Scroll button) and press the Enter button when you reach the required network. You can also rescan the networks by pressing Enter on the Rescan networks screen, which is reached by scrolling through all the found networks.



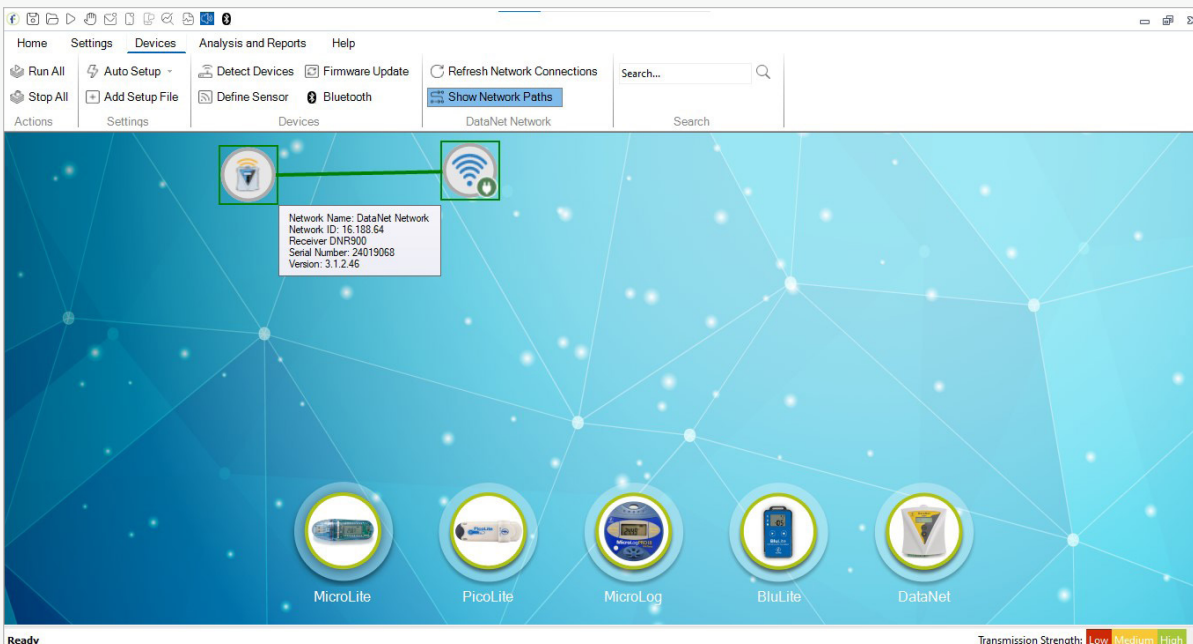
How to know which network is yours? Hover the mouse over the Receiver icon in the DataSuite software. You can see the information in the tooltip window. Or search for network details on the receiver LCD.



Once the logger did not detect a network, the message
Menu -> Turn off
Down -> Rescan
is displayed on the logger LCD

Note: If the logger did not detect a network, the unit will turn off in order to save conserve the battery level

When the logger joins the network, the logger icon will automatically appear in the Map View.



FAQ:

1. How do I start the Receiver unit?

Method 1 (AC Power): Connect the Receiver to the Fourtec-supplied power adapter.

Method 2 (Battery): Turn on the unit by pressing the Scroll button on the front keypad.

2. How do I know the DataSuite software recognized the Receiver?

The DataNet Receiver icon should immediately appear in the top left corner of the Map View in the software.

3. What should I do if the software does not recognize the Receiver?

Option 1: Try connecting the mini-USB cable to a different USB port on the PC. Option 2: Select Devices > Detect Device in the software main menu.

4. How do I create a new network (Form New Network)?

Right-click on the Receiver icon in the DataSuite and select Form New Network from the context menu. This is recommended for optimal network performance.

5. How can I view the Receiver's network ID and details?

Hover the mouse cursor over the Receiver icon in the DataSuite software. The network ID, name, firmware version, and serial number will be displayed in the tooltip window.

6. How long must the Logger charge if running on battery power?

The logger must be charged for 16 hours.

7. Why does the internal temperature rise during charging?

During the charge cycle, the logger will heat up, causing the internal temperature sensor reading to rise up to 10 °C above ambient temperature. Readings will normalize after charging.

8. How is the logger kept fully charged without overheating after the initial 16-hour cycle?

Loggers remaining connected to AC power will receive a one-minute trickle charge each day. This maintains full charge status and prevents the unit from heating up again.

9. How does the Logger join a network?

Scroll through the found networks on the LCD (using the Scroll button) and press the Enter button when you reach the required network. You can also press Enter on the Rescan networks screen.

10. What should I do if the Logger does not find the network?

Option 1: Reset the Receiver. Press the Scroll button until Reset Unit appears, and confirm by pressing the Menu button. Option 2: Form a new network (Right-click Receiver icon > Form New Network), then try to connect the Logger to the new network.