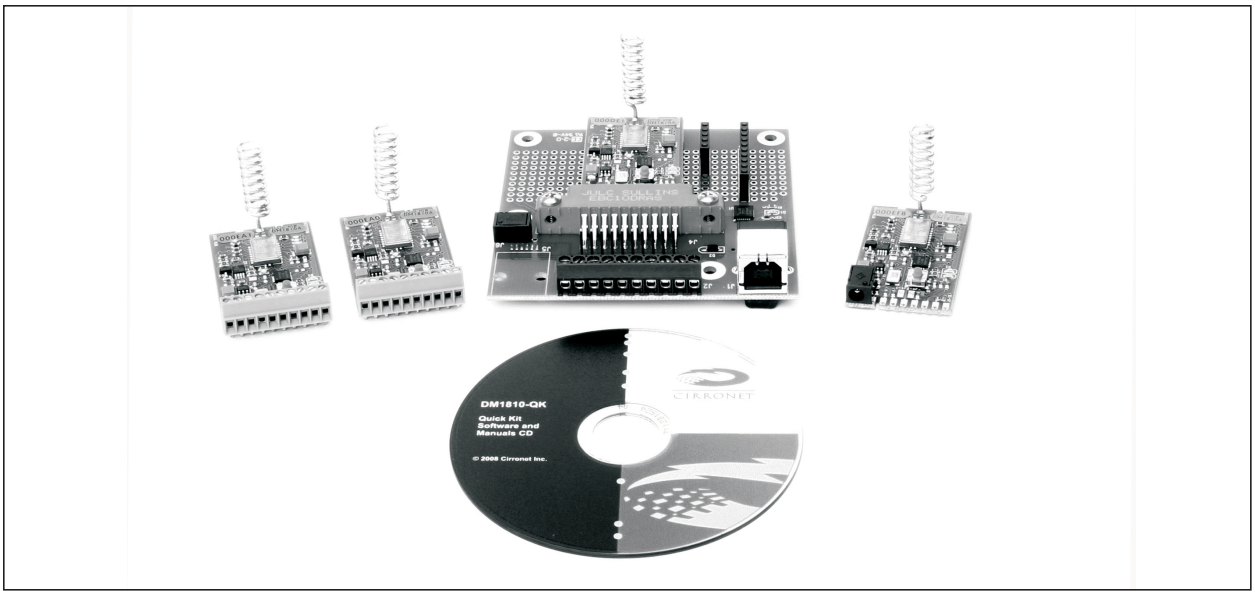
DM1810-434-QK & DM1810-916-QK Quick Start Guide



Items Supplied in the Kit:

- One DM1810 Base Station (blue label), one DM1810 Router (red label), two DM1810 Field Nodes (green label)
- One IM1800 Interface Module (for Base Station)
- One 1.3 mm Power Plug
- Software and Documentation CD

Additional Items Needed:

- One PC with Microsoft Windows XP or Vista Operating System
- Three Power Sources in the Range of 3.1 to 10 V for the Router and Field Nodes
- One A/B USB Cable

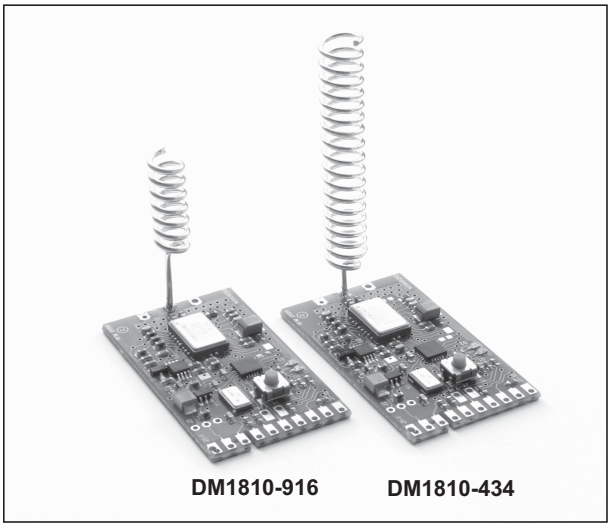


Figure 1

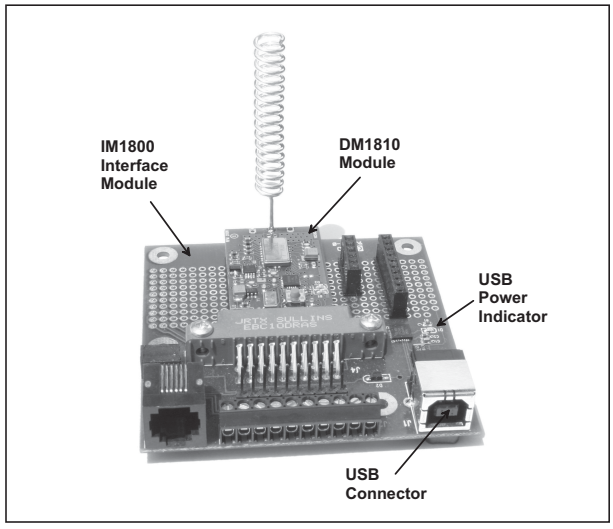


Figure 2

Cirronet, 3079 Premiere Parkway, Suite 140, Duluth Georgia USA 30097, www.cirronet.com, Phone +1.678.684.2000, FAX+1.678.684.2001

Quick Kit Assembly:

1. DM1810 Quick Kits are available on two frequencies. The DM1810-434-QK operates on 433.92 MHz for European (ETSI) applications and the DM1810-916-QK operates on 916.5 MHz for US and Canadian applications. In Figure 1, a DM1810-916 module is shown on the left and a DM1810-434 module is shown on the right. This Quick Start Guide applies to both Quick Kits.
2. Observe ESD precautions when handling the development kit circuit boards. Install the DM1810 base station in the IM1800 interface module as shown in Figure 2. Connect an A/B USB cable to the IM1800, but do not plug the USB cable into the PC at this time.
3. Connect a power source in the voltage range of 3.1 to 10 V to each field node terminal block as shown in Figure 3. *Be very careful not to reverse the voltage polarity.* Wire the 1.3 mm coaxial power plug to a power supply for the router with the *inner conductor connected to the positive side of the power supply* as shown in Figure 4. Do not power on the router and field nodes at this time.

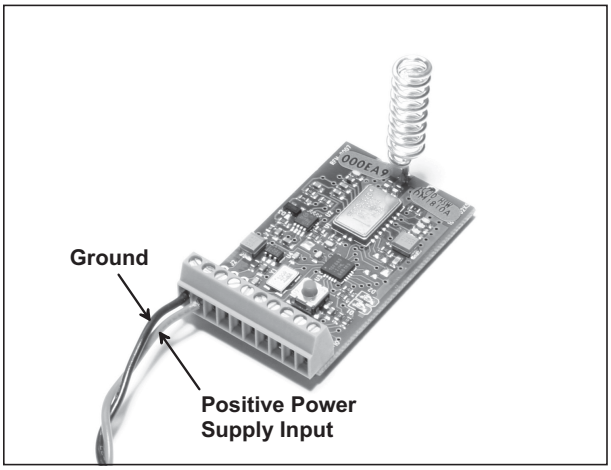


Figure 3

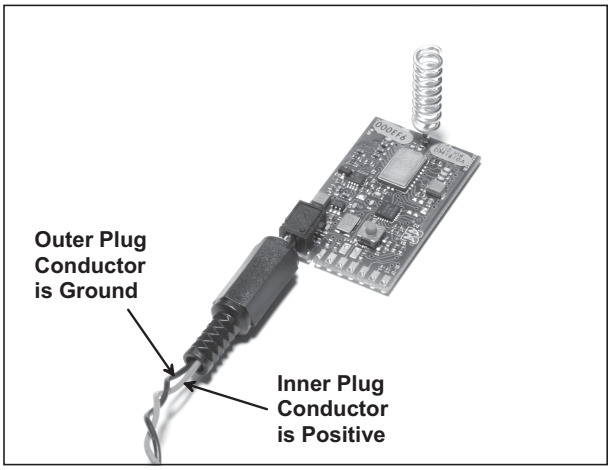


Figure 4

4. Load the kit CD into the disk drive on your PC. The contents of the CD should appear in a *Windows Explorer* (or *My Documents*) frame in a few seconds. If not, open *Windows Explorer* and select the disk drive running the CD. You will find the following directory and file structure on the CD:

    - CP2101 Drivers Folder
    - DM1810 Data Sheets Folder
    - DM1810 Application Notes Folder
    - DM1810 Controller Utility Folder
    - DM1810 System User's Guide
    - DM1810-QK Quick Start Guide
    - dotnetfx Install.zip

5. If your computer does not currently have the .NET framework installed, double click on the *dotnetfx.exe* file to load the .NET framework on your computer.
6. Plug the USB cable connected to the IM1800 into your computer. The computer should detect the CP2101 USB to serial port interface chip on the IM1800 and display *New Device Found* on the

PC. You can load the drivers from the CP2101 Drivers Folder on the kit CD. To load the drivers from the CD, double click on *CP210x_VCP_Win2K_S2K.exe* (two install cycles). Or you can install the latest drivers by searching for the CP2101 driver software on the Internet. The latest version will be on the Silicon Labs web site, www.silabs.com.

7. In the DM1810 Controller Utility Folder run *setup.exe* to install the *DM1810 Controller* Utility.
8. Launch the *DM1810 Controller* utility program. The *Controller* will automatically search for the serial port being used by the DM1810 base station. Once the base station is found, the *Base Station* and *Activity Log* windows will be displayed as shown in Figures 5 and 6.
9. Power up the router and each field node about 10 seconds apart. The router and field nodes should each send a power up event message which will appear in the *Activity Log*, as shown in Figure 7. This indicates normal kit operation. The quick kit is now ready to use.

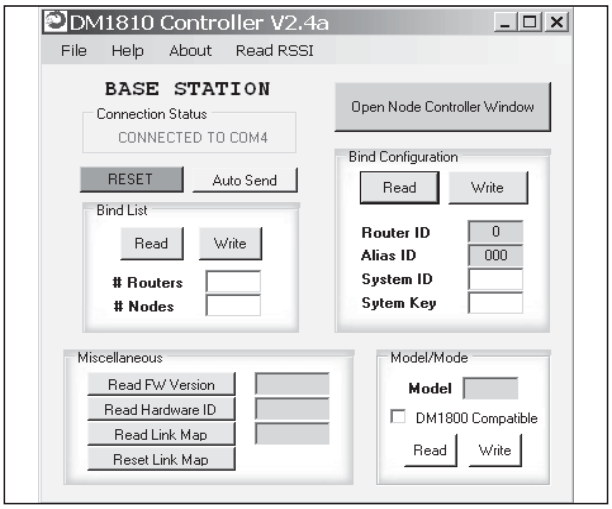


Figure 5

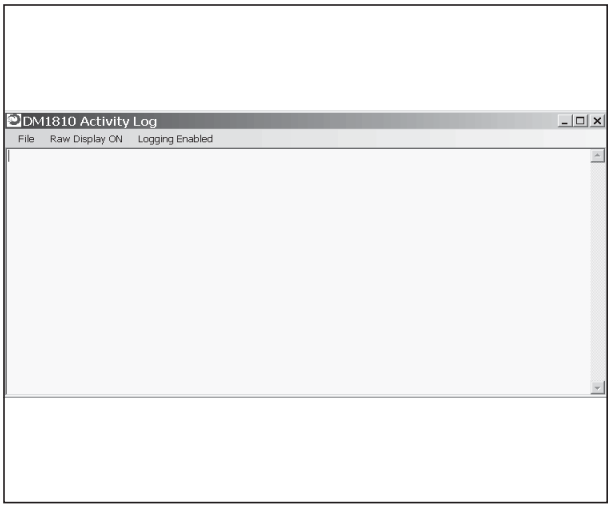


Figure 6

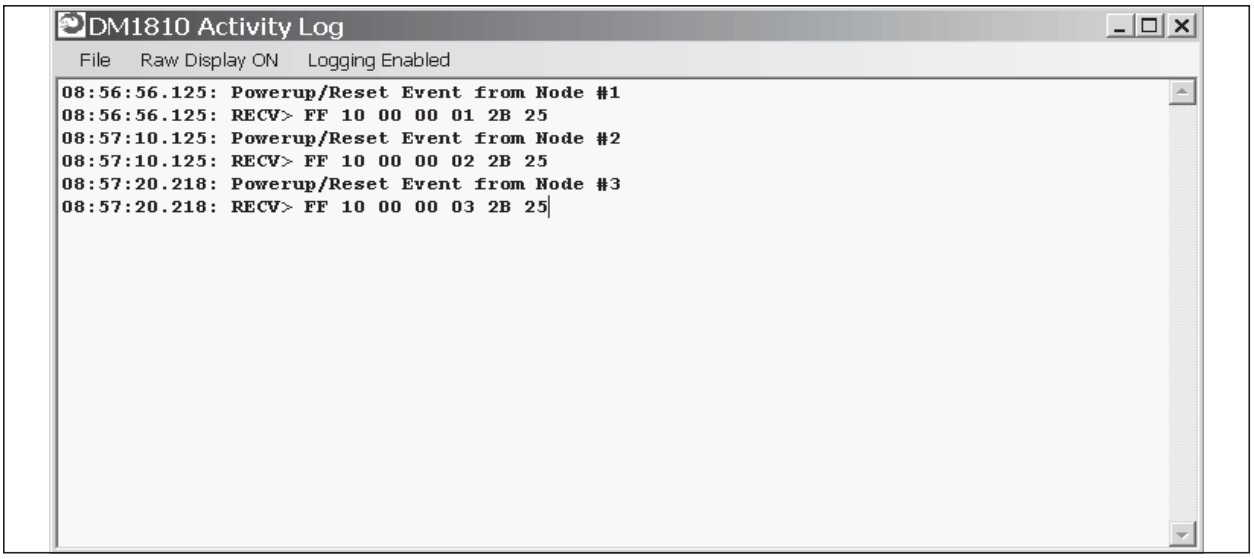


Figure 7

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