DM2200-916-DK Development Kit



Quick Start Guide

Items Supplied in the Kit:

- Four DM2200-916VM Transceiver Modules
- Four IM2200-1 Interface Boards
- One Software and Documentation CD
- One Standard DB-9 External Modem Cable
- Four Regulated 5 Vdc Wall Plug Power Supplies
- Four Battery Holders (3 AAA batteries required for each holder)

Additional Items Needed:

- One PC with Microsoft Windows® XP or Vista Operating System

Development Kit Assembly

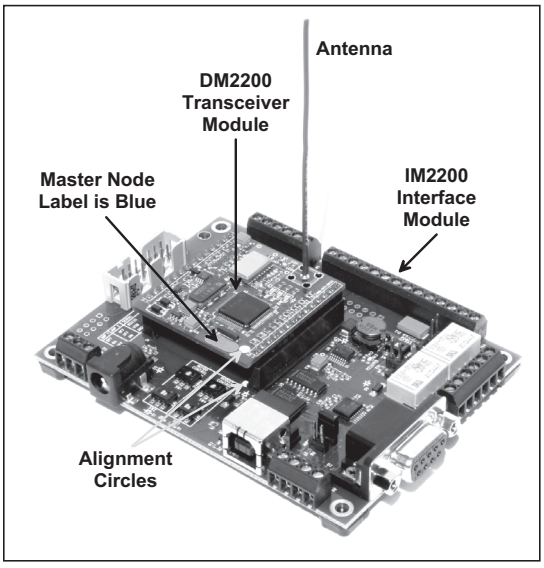


Figure 1

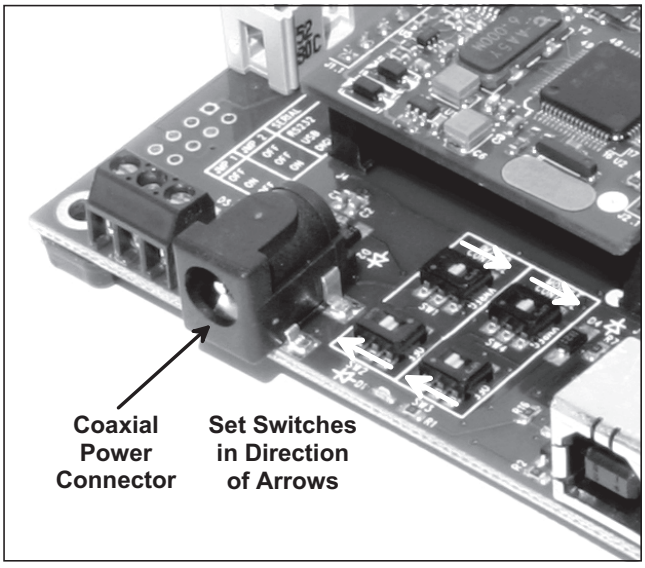


Figure 2

1. Observe ESD precautions when handling the circuit boards. Unplug the DM2200-916VM from the IM2200-1 and gently straighten out the antenna as shown in Figure 1. Plug the DM2200 back into the IM2200-1 taking care to match the alignment circles. Check that no DM2200 connector pins are exposed due to misalignment with the IM2200-1 socket. Do this for all four sets of boards.

2. Set each power configuration switch in the direction of its arrow as shown in Figure 2. Remove the jumper as show in Figure 3 to enable RS232 serial operation (for USB operation please refer to the DM2200-916-DK User's Guide). Do this for all four sets of boards.

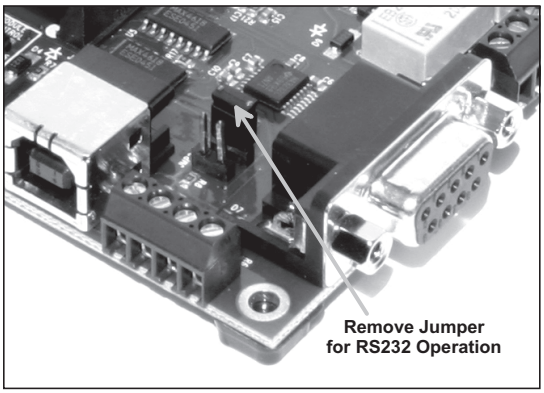


Figure 3

3. Load the utility software and documentation from the kit CD. Note that the software runs under Microsoft Windows XP or Vista using Microsoft .NET libraries.

4. Connect the master board set (node) to the PC with the DB-9 external modem cable. As shown in Figure 1, the master node has a blue label for identification. Do not connect the other board sets (field nodes) to the PC. Connect each board set to a wall plug DC power supply. The location of the IM2200 coaxial power connector is show in Figure 2. Referring to Figure 4, the red LED on the master node should be solid on, and the red LED on each field node should be blinking slowly.

5. Run the Master Beacon Enable utility program that came on the CD. In about 10 to 20 seconds, the red LED on each field node should change from slow blinking to steady on, indicating each field node has joined the master node network. The development kit is now ready for use.

6. Refer to the DM2200-916-DK User's Guide and the other documentation on the CD for familiarization experiments, installation and operation instructions, and application software development.

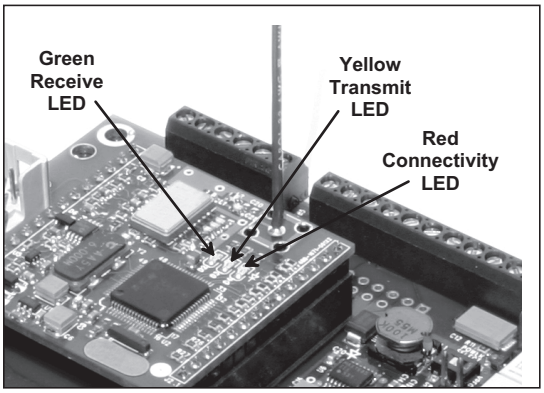


Figure 4

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