

Using the UCT to Configure a Node within a DXM Network



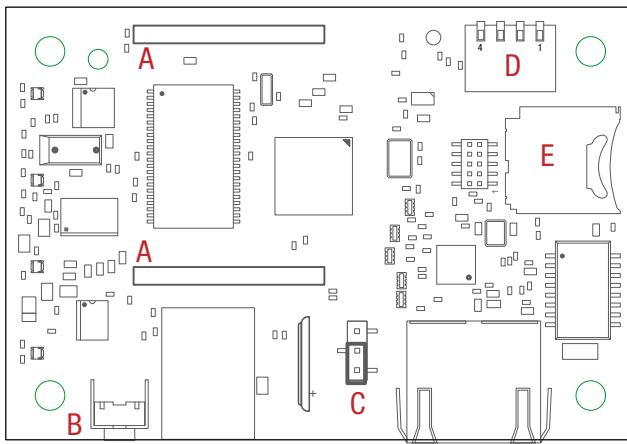
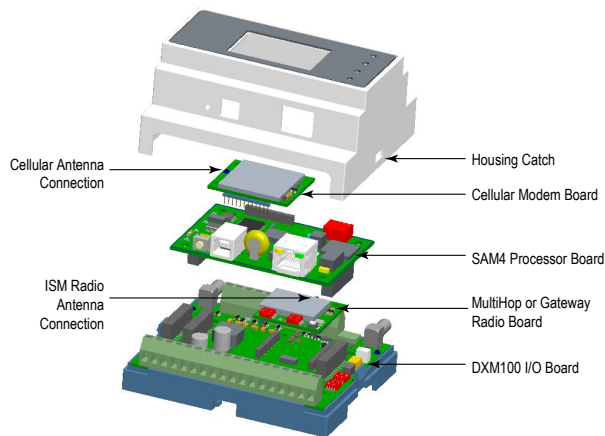
Configuring a Node

Because the Gateway radio module is being polled as fast as possible by the DXM's processor, there is not enough time between internal communications to allow the User Configuration Tool (UCT) to communicate with the Gateway radio module. The operations of the DXM Controller need to be halted to allow communication between the Gateway radio module and the UCT. To communicate with a Gateway radio module to configure your Nodes within a DXM Controller network, follow these steps.

Equipment

- DXM100-BxR1/R3 or DXM150-BxR1/R3
- DX80 Performance or DX99 Nodes

1. Disconnect power from the DXM Controller.
2. Remove the display/cover of the DXM Controller. Do not disconnect the ribbon cable to the display/cover.
3. On the SAM4 Processor board, move DIP switch 4 (Bypass XML) to the on position. (DIP switches are item D on the labeled board image.)



With Bypass XML turned on, the XML Configuration file will be ignored when the DXM turns on and all communication between the Gateway and the processor board stops, which allows the UCT to communicate with the Gateway radio module.

4. Install the cover onto the DXM.
5. Apply power to the DXM Controller.
6. Connect the DXM Controller to your PC using the supplied USB cable.
7. Launch the UCT software.

8. Connect the UCT software to the DXM Controller.
 - a) Go to the **Device > Connection Settings** menu.
 - b) Select **Serial DXM**.
 - c) Click **Connect**.
 - d) Verify that the **Connected** and **Application Status** indicators turn green.

You can now use the UCT to configure your Nodes, including the Configuration, Network and Device, Register View, and Device Restore screens.

9. After you have made all your modifications, save the XML file.

For more information on how the UCT works, refer to the User Configuration Tool Instruction Manual, p/n [140628](#).

10. Close the UCT software.
11. Disconnect power from the DXM Controller.
12. Remove the display/cover of the DXM Controller. Do not disconnect the ribbon cable to the display/cover.
13. On the SAM4 Processor board, move DIP switch 4 (Bypass XML) to the off position.
14. Install the cover onto the DXM.
15. Apply power to the DXM Controller.

The DXM Controller will now operate according to the DXM's XML configuration file created in the DXM Configuration Tool.