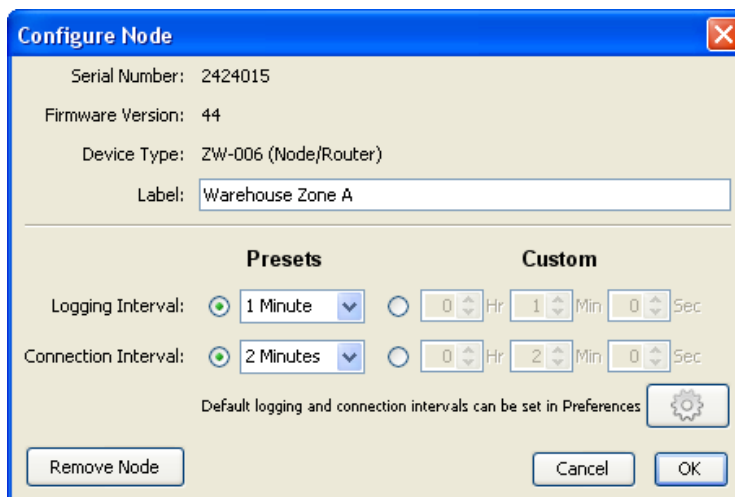


Converting Data Nodes in a HOBO® ZW Wireless Network

There are three types of devices displayed within HOBOnode Manager: the data receiver (ZW-RCVR), end-point data nodes (ZW-0xx), and node/routers. A node/router can be either a data node (ZW-0xx) that was initially powered by an AC adapter instead of batteries or a router node (ZW-ROUTER) that routes data only and does not have recording capability. Use the icons in the device table to identify data node types. This is particularly helpful if you need to verify whether a data node (ZW-0xx) is acting as a data node only or if it also has routing abilities.

	Type	S/N	Status
Receiver	ZW-RCVR	2372376	CONNECTED
End-point Node	ZW-005	2431949	ACTIVE
	CABLE-TEMP/RH (Temp)	2431949-1	ACTIVE
	CABLE-TEMP/RH (RH)	2431949-2	ACTIVE
	<Select Analog Sensor>	2431949-3	OFF
	<Select Pulse Sensor>	2431949-4	OFF
Node/Router	ZW-006	2424015	ACTIVE
	TMCX-HX	2424015-1	ACTIVE
	TMCX-HX	2424015-2	ACTIVE

For another way to see whether the device is a data node only or a data node/router, double-click the device to open the Configure Node window. Check the Device Type for the device part number and description. In the example below, the device is operating as both a data node and a router so the Device Type is listed as “ZW-006 (Node/Router).” If this device was powered by batteries only, then it would be operating as a data node and not a router, and listed as “ZW-006 (Node).”



The first power source used in a ZW data node determines whether that node will be a router or an end-point node. Follow these instructions for converting a node to a different type.

Converting a Router Node to an End-Point Node (Switching from AC Power to Battery Power)

If you initially power up a node using an AC adapter, it will operate as a router node. If you need to convert the router node into an end-point node that operates on battery power only, follow this procedure.

1. Deactivate the data node by pressing the reset button on the data node with a paper clip until the red LED starts flashing repeatedly (about 5 seconds).
2. Disconnect the data node from AC power.
3. If batteries are installed, remove them.
4. Wait at least 30 seconds to clear the memory.

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5. Reinstall the batteries. Do not plug in the AC adapter.
 6. Click Form Network in HOBOnode Manager.
 7. Press the reset button with a quick 1-second push to reactivate the data node.
 8. Verify that the data node appears in the HOBOnode Manager table and is identified as a node (no routing capabilities).

Converting an End-Point Node to a Router Node (Switching from Battery Power to AC Power)

If you initially power up a node using batteries, it will operate as an end-point node with no routing capabilities. If you need to convert the end-point node into a router node that operates on AC power, follow this procedure so that HOBOnode Manager recognizes the data node as having routing capabilities.

1. Deactivate the data node by pressing the reset button on the data node with a paper clip until the red LED starts flashing repeatedly (about 5 seconds).
2. Remove the batteries from the data node.
3. Wait at least 30 seconds to clear the memory.
4. Plug the data node into an AC power outlet.
5. Click Form Network in HOBOnode Manager.
6. Press the reset button with a quick 1-second push to reactivate the data node.
7. Verify that the data node appears in the HOBOnode Manager table and is identified as a router.
8. Reinstall the batteries for backup purposes.