



M54200 Wireless Mesh Transceiver

The wireless mesh transceiver creates infrastructure for ION's wireless devices. The wireless mesh transceiver routes data to the coordinator.

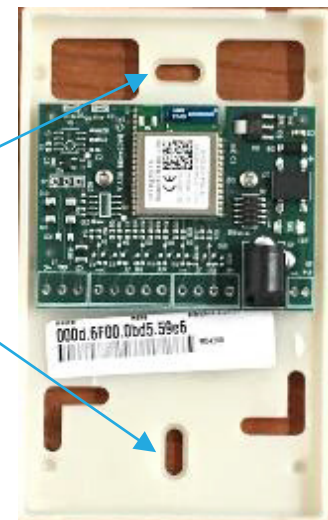
Step 1: Locate a spot to mount the wireless mesh transceiver. Locations that would be the common places to mount a transceiver are, behind the refrigerator, above in a cabinet, or in a closet.

The reason ION chooses to use locations such as what is listed above is because there's usually a duplex receptacle for the wireless mesh transceivers power supply to plug into.

To mount the wireless mesh transceiver locate the mounting holes on the back of the plastic backing showed on the picture below.

! Do not mount in a metal enclosure or room. Mount the M54200 behind a refrigerator, above in a cabinet or in a closet

Mounting holes on the backing plastic



Step 2: After the wireless mesh transceiver is mounted, you then want to power up that device.

To power up the wireless mesh transceiver you want to use a 9-12vDC power supply with at least 300mA. Plug the barrel connector into the barrel harness on the circuit board. As seen in the picture below.

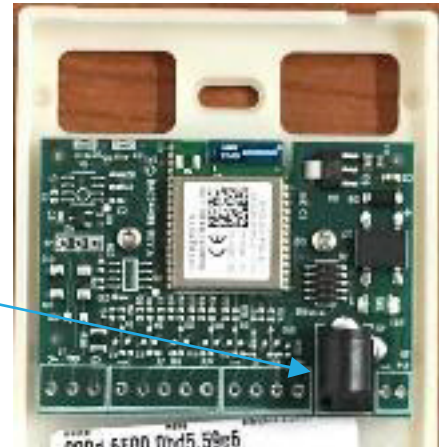
If you have to cut the wires on the power supply you do not need to worry about polarity.



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Barrel harness connection



The wireless mesh transceivers LEDs will come on.

Step 3: Magnet the wireless mesh transceiver to get it to join the network on the property. This is not required but highly recommended. A successful network join would be indicated by 4 green LED blinks. Remove the serial number sticker located on the transceiver cover plate. Place the serial number sticker on the sticker sheet supplied by ION in the correct place such as the apartment for which it is located in and in the correct device column.



Serial number sticker

If the wireless mesh transceiver alternates between red and green LEDs that would indicate that the router can not find the network. Magnet the router multiple times to rule out any other issue that may not be letting the router join the network. **If you are still unsuccessful in getting it to join the network contact ION's office for further instructions.**

Ion Energy Solutions

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