

Prior to beginning installation of the IONIT components at a home or business location, please **read through the entire set of instructions** and verify that you have all of the items needed for a successful installation. Your cellular modem ships fully configured with cellular service. Simply follow the installation steps below.

Components Included with No. 9410 Cellular Modem

- 1x Cellular Modem (as configured by IONIT Networks)
- 1x Antenna
- 1x Power Supply

Other Components Required

- 1x ION-9400 Internet Hub and power supply
- 1x Ethernet Cable
- 1x Smart phone with Internet connectivity
- 1x IONIT sensor



Installation Steps

1. **Select Hub/Cell Modem Location:** Select a suitable final location for the Hub and Cell Modem. The Cell Modem operates like a cellular phone and requires a location that provides adequate access to cellular network coverage. In later steps you will use the "Cellular" LED on the modem to determine cell signal strength. The "Cellular" LED will flash indicating the signal strength. For example, if the LED flashes twice, then the cell modem has a signal strength of 2 (analogous to 2 "bars" of signal strength when looking at your cell phone). The greater the number of flashes, the greater the signal strength to the cellular network. In addition to ensuring signal strength, make sure your location has access to at least 2 AC outlets.
2. **Connect the Hub to the Cell Modem:** Plug the Ethernet cable into the Ethernet port on the back of the Hub. Then connect the other end of the Ethernet cable to the Ethernet port on the back of the cell modem.
3. **Setup the Cell Modem:** Attached the cell modem's antenna to the back of the modem. Plug the cell modem's power supply into an AC outlet, and connect the other end to the power outlet on the back of the modem. The cell modem will power up.
4. **Power Up the Hub:** Plug the Hub's power supply into an AC outlet, then plug the USB power connector into the Hub. The Hub will power up. In a few seconds, the OK (top) and Power (bottom) LED indicators will light Green and the Status (middle) LED will flash Orange to indicate that the device is ready.
5. **Verify Cell Signal Strength:** By counting the number of flashes of the "Cellular" LED light, determine if you have adequate signal strength at the location chosen. If signal strength is low, move the devices to location with stronger cell signal.
6. **Test The System:** Follow the instructions that come with any IONIT sensor, and force the sensor into fast reporting mode. The sensor will report every 2 or 3 seconds when in fast mode. You can confirm the device is in fast mode by watching the LEDs on the Hub. Whenever the Hub receives data from a reporting device, the Status LED will flash Red. Once the device is in fast mode, scan the QR code on the sensor with your smart phone to bring up the mobile site for the device (you may need to log in to your IONIT Cloud account using your IONIT credentials). Refresh the mobile browser to ensure the page you are viewing is current. On the mobile page of the device, note the date and time of the last reported data for the device. If the date and time is now, then the device has sent its readings over cellular network to your IONIT Cloud account. (If the date is not current, try unplugging the Hub's power supply, waiting a few seconds, then plugging it back in)
7. **Installation has been successful!**