GATEWAY INSTALLATION PROTOCOL

Cellular Gateway

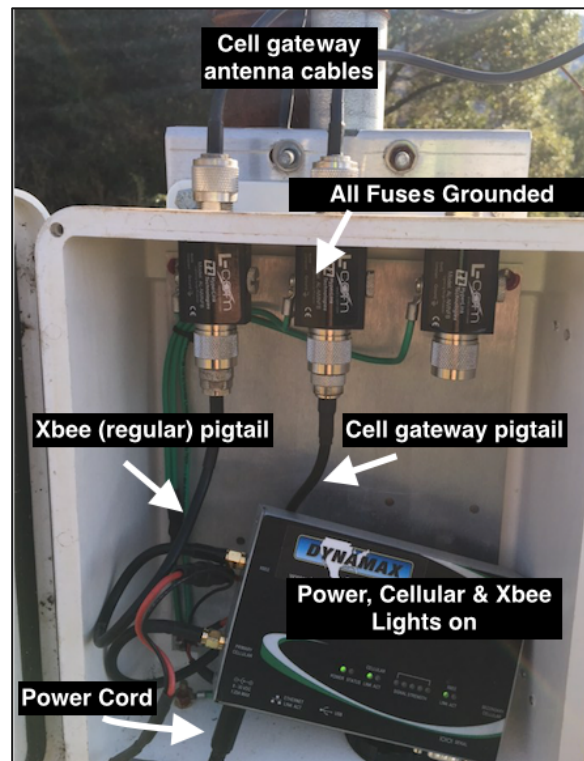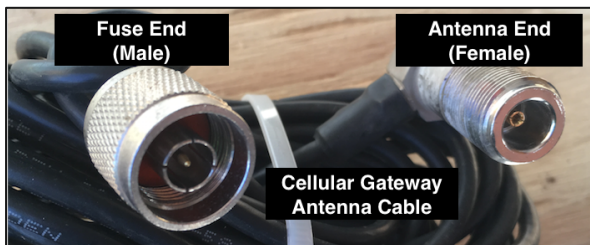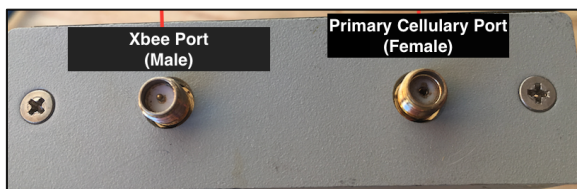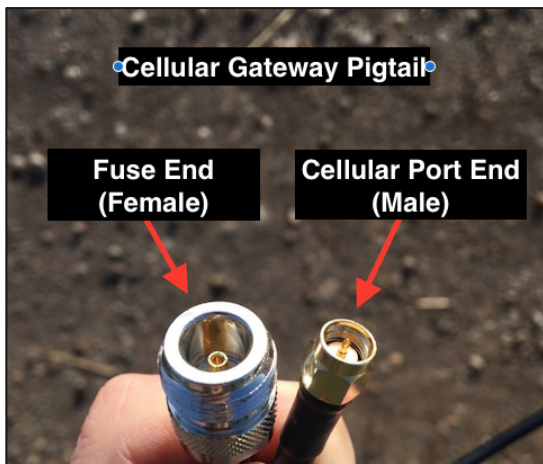A cellular gateway connects the Xbee device network to the internet via satellite (like an Arduino or cell phone). *Cellular gateways must be stored in a weather box. All cables must run through the holes in the weather box, sealed with putty.

Bring Equipment:

- Cellular Gateway
- Power cord w/ battery terminals
- Cell gateway pigtail
- Regular pigtail
- 2 cell gateway antenna cables
- 2 antenna
- Big battery
- Battery box
- Putty

Already on site
- Weather box
- Cell gateway fuses
- Grounding wire
- Grounding rod
- 10 ft. pole

Cellular Gateway Pigtail

Fuse End (Female)

Cellular Port End (Male)

Xbee Port (Male)

Primary Cellulary Port (Female)

Fuse End (Male)

Antenna End (Female)

Cellular Gateway Antenna Cable

Cell gateway antenna cables

All Fuses Grounded

Xbee (regular) pigtail

Cell gateway pigtail

Power, Cellular & Xbee Lights on

Power Cord

LAN Gateway

A LAN gateway joins dissimilar networks. In our case, it connects the Xbee device network to the internet through either a router (which connects similar networks) or ethernet port. The router is already on site in an indoor location provided by the winery.

Bring Equipment:

- LAN Gateway (1 port)
- Ethernet cord: plugs into router or ethernet port
- Power cord: plugs into outlet
- Ducky or Pigtail (depending on site)
- Pigtail (may need long pigtail) →
- antenna cable → antenna