

GREASEBOSS LUBRICATION MANAGEMENT SYSTEM INSTALLATION GUIDE

HME GATEWAY (4G or WiFi/OT Network Connectivity Options)

This installation guide provides instructions on how to install the HME GATEWAY and ANTENNA onto an automatic lubrication system.



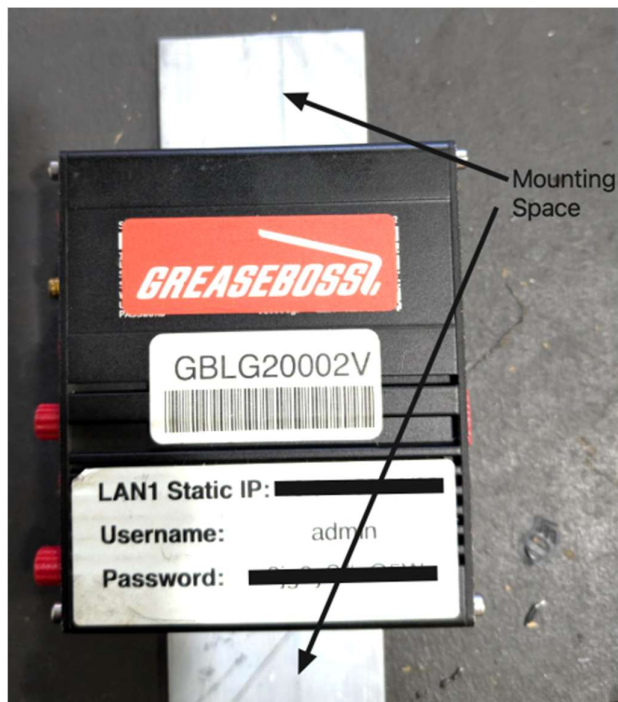
1: ENSURE ALL DEVICES AND POWER SOURCES TO THE GREASE PUMP AND GREASE SYSTEM ARE FULLY ISOLATED PRIOR TO COMMENCING WORK



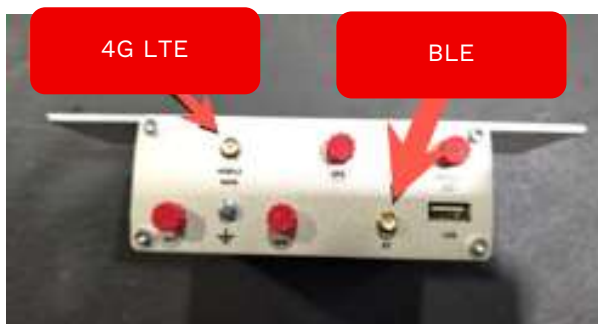
(Please take photos of each installation step and provide to GreaseBoss for effective support. Include a photo of the GreaseBoss Endpoint Serial Number.)

2 – INSTALL GATEWAY

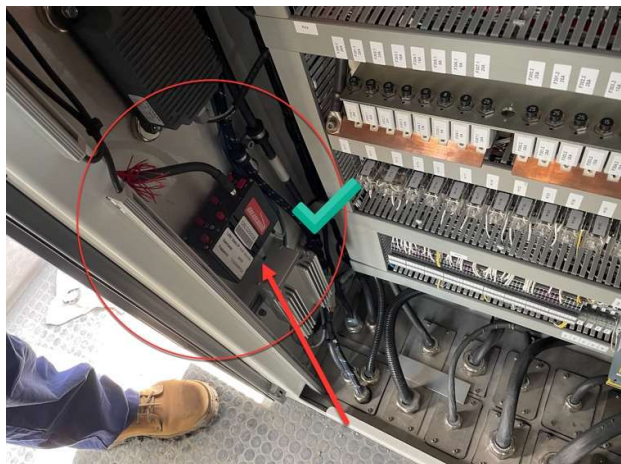
2.1 The Gateway is mounted via an aluminium plate. This plate is flush on the bottom side of the Gateway allowing easy mounting to a flat surface. It also has dedicated areas used to drill and attach the desired mounting option. (Screw, bolt, Magnet, etc.)



2.2 There are 2 ports available for use. First is **MOBILE MAIN** which is used for plugging in the External LTE Antenna. Second is **BT** which is used for plugging in the braided cable which will attach to the outdoor omni BLE antenna.



2.3 Install the Gateway within the Electrical or Comms Cabinet of the asset, or in a location that is protected from dirt, dust, debris and water



2.4 Connect the Gateway to power using the supplied power cable. Connect to ignition or UPS power supply of the asset.

2.5 If supplied with the GreaseBoss Pump Monitor Wiring Harness to power the gateway, see attached Pump Monitor Wire Harness Installation Guide for installation details and wiring diagrams.

2.6 Confirm Power LED's illuminated on the Gateway if/when the asset is powered.

3 INSTALL BLE / LTE ANTENNAS

For installing the BLE / LTE Antennas you will need the following:

GreaseBoss Provided:

- Antenna
- Pole or Magnet Mounting Bracket
- Amalgamating Tape

User Provided:

- Electrical Tape



NOTE – Illustrated instructions are for the BLE Antenna and Pole Mounted Bracket. Follow the same steps for attaching the BLE Antenna to the Mag Mount Antenna Bracket or the LTE Antenna.

3.1 Thread antenna through the threaded hole on the bracket until it is tightly wound. Note the Bracket is design to be pole mounted.

- *Note: Mag Mounted Antenna Bracket does not have threaded hole for installing antenna. Secure Antenna in place using supplied star washer and nut.*



3.2 Connect N-Type Connector termination on the Antenna Cable to the Antenna. Ensure to not cross-thread thread of connector to antenna.



3.4 Wind the amalgamating tape around the connection starting from the bottom of the plate down to the N-type connector of the Cable. This will help prevent water disrupting the connection.

3.5 Cover amalgamating tape with Electrical tape, this will provide extra protection from weather and UV.

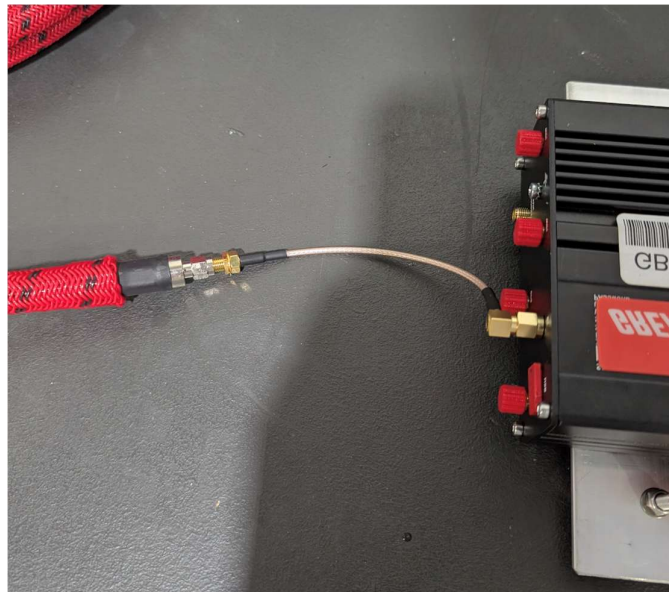


3.6 Secure all cabling and attach mount to asset.

Note - Consider mounting position for best overall signal strength

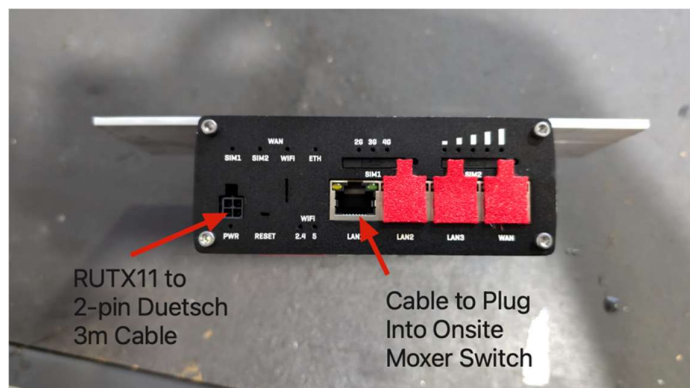


3.7 Attach BLE or LTE Antenna to Gateway using supplied strain relief as show in diagrapham.



4 CONNECT GATEWAY TO MOXA SWITCH (FOR OT NETWORK / WIFI / NON LTE COMMUNICATION INSTALLATIONS)

4.1 Connect appropriate CAT5 Cable to LAN1 port of Gateway and to the identified port on the Asset's Moxa Switch



INSTALATION COMPLETE

