



Assetflo 5G Trailer Tracker Installation Instructions

Rev 2

2024-04-25



What is in the box:

- 1x Assetflo Trailer Tracker with 3M double-sided VHB Tape on the back

Items required for installation on Trailers:

1. No. 6 screws or -5 rivets x2
2. Screw driver or Rivet gun
3. Power drill
4. Cleaning cloth and primer solution
5. Ladder
6. Wire cable clips

Summary of steps:

1. Choose a spot for mounting the Assetflo Trailer Tracker
2. Pre-drill holes for mounting
3. Clean the area of the trailer where the device will be installed
4. Remove the protective cover from the double-sided tape on the back of the device. Attached the device to the trailer and apply pressure for the tape to stick
5. Install screws
6. Connect the red wire to the AUX pin positive supply (9-18V) and white wire to GND
7. Attached wire cable clips to screw wire in a few places

Very Important - Device Startup:

Device is shipped from Assetflo in a sleeping state and must be turned on for normal operation.

The device is programmed to Turn on as soon as the power (9-18V) is supplied to the device.

Turn ON (Applying Power): When the power is applied, a RED LED will come and stay for up to 3 seconds before turning OFF. Then a GREEN LED will come on for 3 seconds indicating the device is powered up in Normal Mode.

Turn ON (Manually using the button):

1. Press and hold the button on the device, the RED LED will light up indicating the device is currently in sleep mode.
2. Keep the button pressed for 3 seconds until the RED LED turns OFF.
3. Release the button, the GREEN LED will come on and stay for 3 seconds indicating the device is powered up in Normal Mode.

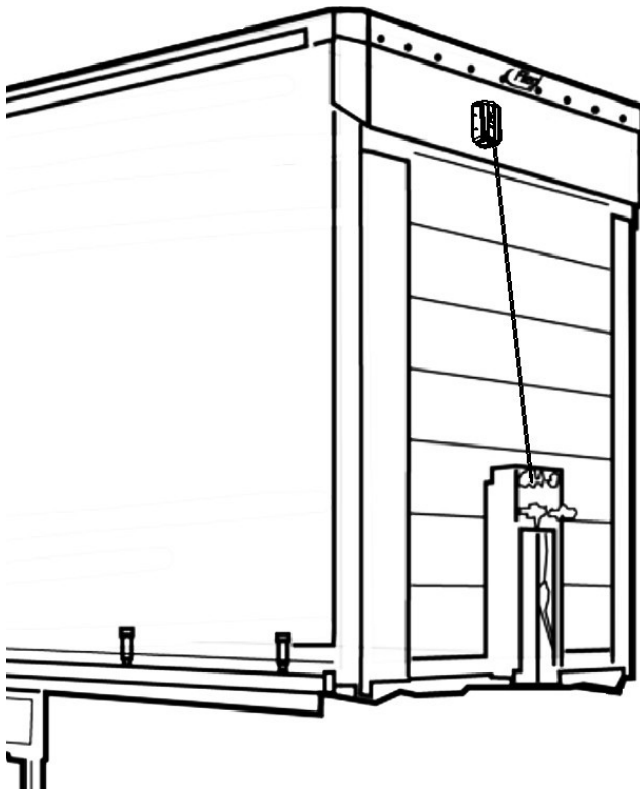
Check device State:

The device state can be checked by briefly pressing the button.

When the button is pressed, if the RED LED comes on, the device is in Sleep State and needs to be turned on for Normal operation

When the button is pressed, if the GREEN LED comes on, the device is in Normal State.

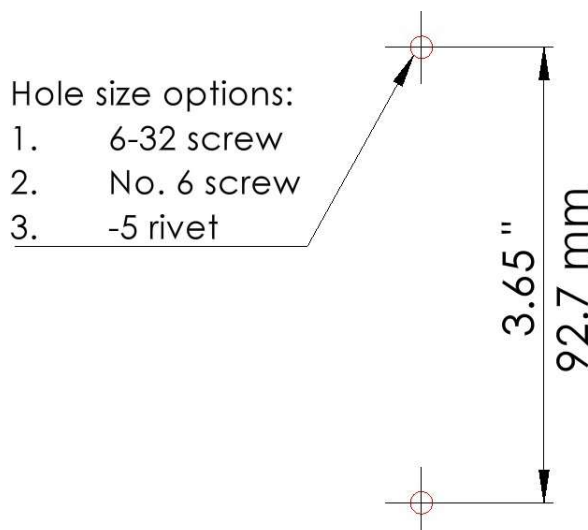
Step 1



Choose a suitable spot on the Trailer for Installing the Assetflo 5G trailer tracking device.

Assetflo suggests the spot as show in the illustration on the left.

Step 2



Drills holes for mounting the Assetflo 5G Trailer Tracker.

The suggested screw sizes are:
6-32 machine screw
No. 6 screw

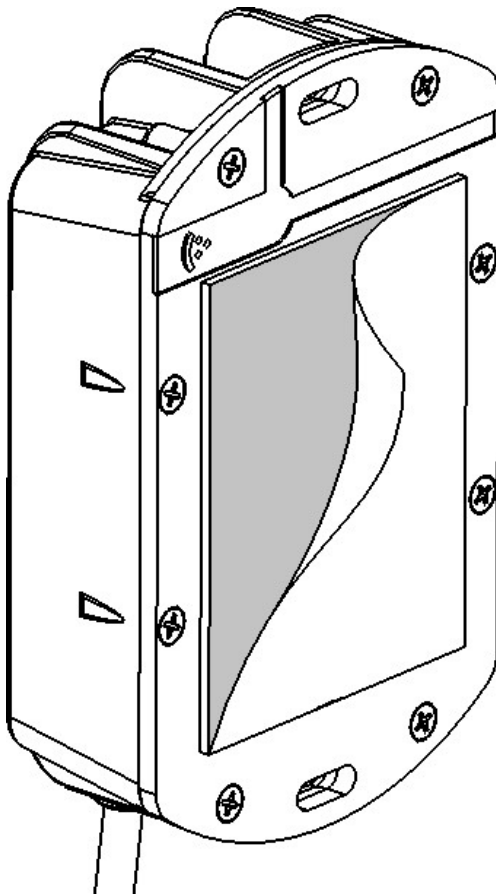
Alternately, the Assetflo 5G Trailer Tracker can also be secured in place with rivets.

Drill 2 appropriate size holes based on the selected screw/rivet.

Assetflo can provide a template for drilling holes upon request.

Step 3

Step 4

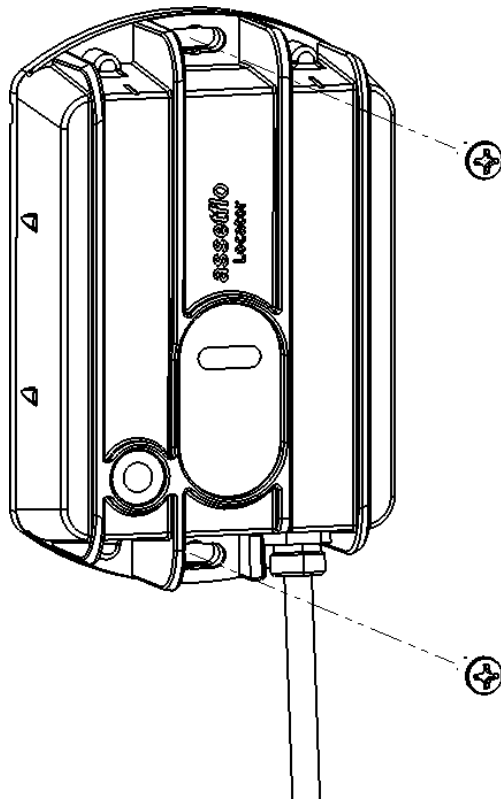


Clean the mounting area with a suitable cleaning solution to remove dirt, debris and oil to allow the double-sided tape to stick

Peel-off the protective cover from the double-sided tape.

Place the Assetflo 5G Trailer Tracker on the designation installation area and press firmly to allow tape to stick.

Step 5



Install the screws (x2) to secure the device in place

Step 6



For Wired Assetflo 5G Trailer Trackers, the power wires need to be connected to an appropriate DC supply.

Connect the red (+) wire to a 9-18V DC supply.

Connect the white (-) wire to DC GND.

Step 7



Screw the wire in a few places with adhesive or screw-in wire clips and zip ties where appropriate

Technical Specifications

Mobile Frequency Bands

LTE-CATM B2/B4/B12/B66

Antenna maximum gain 5.17 DBi

700~800/1710~2170mhz

GPS ANTENNA

Antenna maximum gain 2 DBi

1575mhz

BLE ANTENNA

Antenna maximum gain 0 DBi

2400~2500mhz

OPERATING CONDITIONS

Wire Input Voltage: 12V, with Current 30mAh.

Battery Output Voltage: 3.7V

Temperature: -25 °C ~ +65 °C

Humidity: 30% - 60%

PHYSICAL SPECIFICATIONS

Housing Material: PC

Dimensions (W x H x D): 106 x 67 x 30 mm

Cable Type: UL2464 2C*24AWG

CERTIFICATION

Regulatory FCC

Remarks:

1. When this device is going into Sleep Mode, LTE-M/GNSS/BLE will not be working. The LTE & GNSS functions can be awakened by the sensor.
2. GNSS is only with GPS function, without AGPS function.
3. The BLE is with the function of receiving data only.
4. LTE-M and BLE antennas are FPC type; GNSS antennas are Ceramic type.
5. With Module: Nordic nRF9160
6. With crystal.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the

following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.