Product: GPS Hardware

Subject: Enfora MT4100 Installation Guide

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Distribution: MT4100 Users

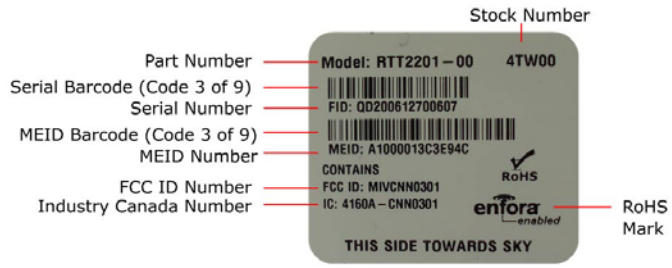
Contents

Product Description 2
Enfora MT4100 2
Power Cable 2
Installation 2
Power 3
Device Mounting 3
Mounting Precautions/Guidelines 4
Mounting Methods 4
Mounting Bracket 4
Cable Ties 4
MT4100 LED 5

Product Description

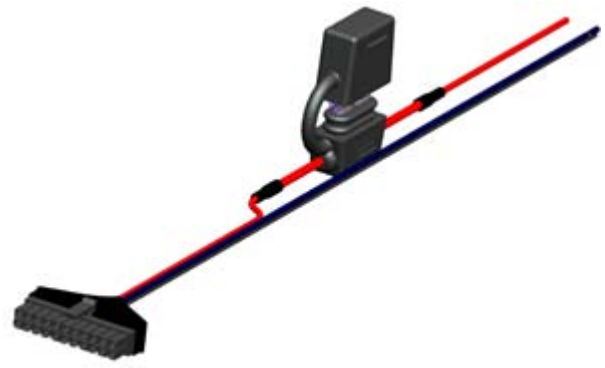
Enfora MT4100

The MT 4100 has a printed label on the top side of the device. **Please note that the printed label MUST be facing the sky**. The device has an internal antenna.



Power Cable

The power cable for the MT 4100 (CAB2448-01) includes a fuse and ignition sense.

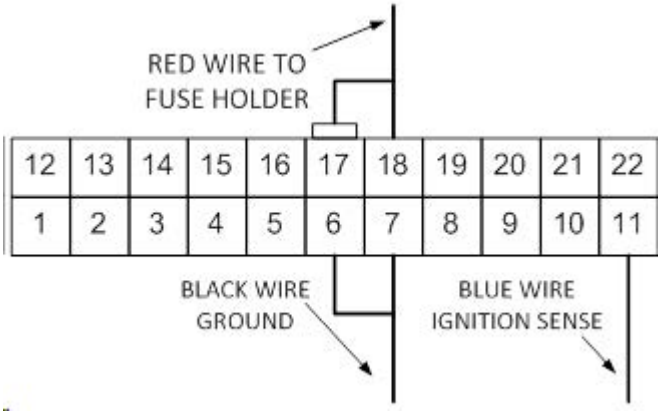


Wiring schematic

Installation

Power

The power cable is a keyed cable and will only fit into the device one way.



The device has an input voltage range of 9 – 32 V DC. This allows the device to be used on both 12V and 24V vehicles per SEA specifications.

Connect the power (RED wire) and ground (Black wire) of the device to the vehicle battery leads. Connect the ignition (BLUE wire) to the vehicle ignition. The device will always remain ON.

The device will be non-operational when the input voltage and current requirements are not met (vehicle battery drains).

The MT 4100 case includes molded anchor points for mounting as shown in the figure above (facing skyward).

Device Mounting

Please note while the devices needs to be installed inside the vehicle. The device will have optimal functionality when there is as little as possible between the device and the sky.

Areas to consider when mounting your device:

- Above the air vent
- Above the instrument cluster
- Above the glove box

- On the dashboard

Mounting Precautions/Guidelines

- Choose a location where metal or cable bundles will not shield the device
- Mount the device away from possible RF interference (such as radio, speaker, etc.)
- Protect cabling against spurs and nicks
- Do not mount the device in the engine bay
- Do not mount the device near or in the back of the vehicle's airbag

Mounting Methods

You may opt to use the MT 4100 Mounting Bracket Assembly to secure the device. The bracket allows for mounting the device either label side up or label side down to conform to the installation location. **Label side should always face the sky.**

Mounting Bracket

1. Secure mounting bracket to the desired mounting surface using one of the following methods:
   - Two (2) # 6 screws (preferred method)
   - Double-sided tape
2. Insert the device into the mounting bracket with the connector end at the mount opening. **Position the device so that the label side has the best unobstructed path to the sky.**
3. Connect the device to the power source.
4. The bracket contains openings in the retention tabs to support a cable tie for tamper control.

Cable Ties

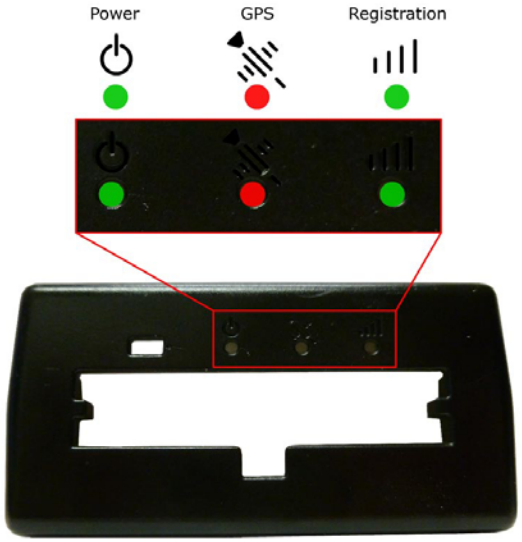
To mount the device using cable ties, use the channels provided on the device to secure it to a stable structure or wire bundle. The recommended cable tie size is 0.19" wide (4.75mm).

If securing the device using double-sided foam tape or a method not described in this manual, note the following precautions:

- Do not apply excessive force in the middle of the device as this may damage the device.
- If using rigid mounting hardware, apply pressure only to the ends of the device.
- Limit the mounting pressure only to the amount needed to secure the device.

MT4100 LED

The MT 4100 has three LEDs on its front panel



PWR

This LED indicates power to the GPS module. LED is on less than 1 second after powered on and the GPS module is operational. This LED is off when powered off or when the MT 4100 enters Low-Power Sleep mode.

GPS

This LED indicates GPS fix status. The LED remains off when it receives invalid GPS data. The LED remains on when it receives valid GPS data.

Registration:

This LED indicates network registration status. If this LED stays off, this indicates that the device is not attempting to register to the network. If the LED blinks, it indicates that the device is trying to connect to the network. If the LED is always on, this indicates that the device has connected to the network.