

# OPERATION MANUAL OF TPMS-CANBUS

MODEL: QY1195A5

---

Thank you for choosing our TPMS-CANBUS. This guide instructs the technician how to properly mount and dismount a Baolong TPMS-CANBUS receiver.

---

## Introduction of TPMS-CANBUS

TPMS-CANBUS is the receive module in TPMS. It has RF transceiver function, CAN line transceiver function, data storage read function, and so on.

Its RF parameters are as follows:

Frequency: 433.92MHz;

Send Power: -20dBm  $\geq$  transmitting power  $\geq$  -60dBm;

Receiving sensitivity:  $\geq$  100dBm

Can parameters are as follows:

Band rate: 250kbps;

Power supply: 12V/24V.

TPMS-CANBUS receive transmitter RF information, parse the data, store the data in a local storage medium and send it over the CAN line. And through the relevant tools to learn the transmitter, download data, set the baseline and other function.

TPMS-CANBUS is used to monitor the tire pressure temperature status, refrigerated truck temperature status. Achieve the following alarm function:

Low Pressure Warning

High Pressure Warning

High Temperature Warning

## Installing the TPMS-CANBUS unit

1. Install the CANbus behind the engine cowl.
2. Connect the supplied harness to the 6-pin connector on the Valor TPMS-CANBUS:

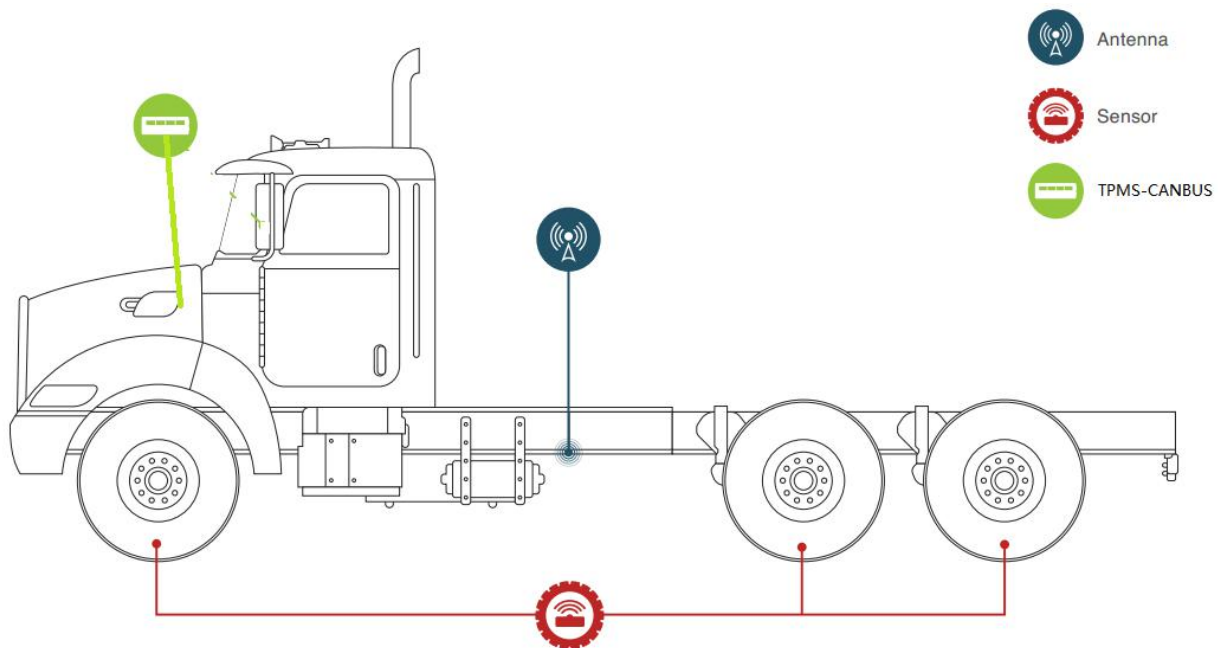
## Standalone

- Connect WRN-G harness to the Valor TPMS-CANBUS
- Connect power to the WRN-G harness

## Peolenet

- Connect DFL harness to vehicle CAN/power
- Plug other end of DFL harness into Valor TPMS-CANBUS

3. Two ST5.5 self-tapping screws are used for fixation.



4. Find a power source at fuse panel. Connect the power leads to the power source, and key on power.
5. Connect the 3M Extension to the antenna pole on the TPMS-CANBUS.
6. CANBUS is one of the components of the tire pressure and temperature monitoring system that cannot be used alone.

## Installing Antennas

1. Locate a place between the rear drive wheels. Attach the 8m antenna pointing downwards. Be sure not to locate near a heat source or where a moving part will be in contact with the antenna.
2. Run the cable along the left (driver) side of the vehicle to the front under the driver seat. Using wire ties, attach the cable to vehicle wiring harness (normally runs along the frame). If extra cable, loop up and wire tie out of the way making sure it does not interfere with any

other item on the truck.

**3. DO NOT OVER-TIGHTEN THE CABLES TO THE SPLITTER. HAND-TIGHTEN ONLY.**

4. From the cab, run the 3m extension cable from the TPMS-CANBUS down either through the firewall or along the side post and through the floor board ending up under the driver seat.

5. Connect the single end of the Splitter to the 3m extension cable.

6. Locate a place between the steer wheels and attach the 3m cable antenna pointing downwards. Be sure not to locate near a heat source or where a moving part will be in contact with the antenna.

7. Run the antenna cable along the left (driver) side of the vehicle and connect to one of the two female ends of the Splitter.

**8. DO NOT OVER-TIGHTEN THE CABLES TO THE SPLITTER. HAND-TIGHTEN ONLY.**

Wrap with electrical tape.

## Warnings

FCC Requirement :

( 1 ) All products:

changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

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.

( 2 ) Class B device warning:

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.

#### ( 5 ) FCC 20cm Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

#### IC Requirement :

##### ( 1 ) Product warnings such as BT, Wifi, etc

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

##### ( 2 ) The device is more than 20cm away from the body

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.