DQT AX11 Installation Guide

Subject: DQT AX11 Installation Guide

Date: 08/26/2022

Version: 1.1

Contents

Device Power options

OBDII Direct

OBDII Y Cable

9PIN Green JBUS

Hardwire Cable

RP1226 Cable

DQT AX11 Installation

OBDII Direct

1. Locate the OBDII port on vehicle. Some may be a different color but it will always have 16 Pins.

2. Plug the AX11 directly into the OBDII port.

3. Once device is installed it is recommended that you call DQ Support to verify that you have a good signal and that we can see the device. If you have already received training on GPS tracking you will be able to see the device on the DQ .Net GPS site.

IMPORTANT: Be sure to keep track of which devices are installed into each vehicle and then report that to DQ Support as well.

OBDII Y Cable

1. Locate the OBDII port on vehicle. Some may be a different color but it will always have 16 Pins.

2. Plug the cable end labeled **1** below to the OBDII port.

3. Then plug the cable end labeled **2** into the GPS device and it should "power up".

4. Cable end **3** as shown is the one to be used when connecting the port via a different bracket. If the port is connected in some other way then cable end labeled **1**, then you will need to use the other connecting brackets that are shipped with the cable to change the connector on cable end **2** to the appropriate type.

*Labeled OBDII Cable

1. for volvo Slide mount

2. North American for Snap-in mount for Chrysler

3. for BMW

4. European Lock Mount for Mercedes & for Bmw

5. European Latch &for Snap for Fiat & for Citrien& for Peugeot

6. for Bmw Slide & Lock for BMW

7. for Honda

8. for Ford Round for Snap -in for Ford

9.for Toyota

10. North American Slide &Lock Mount for Ford& for GM

11. North American Flange Mount for Ford & for GM * for Chrysler

12. Asian for Snap -in for Toyota& for Hyundai& for kia& for ford

13. North American Extended Flange Mount for Ford

14. for IVECO Slide &Lock for IVECO

16. for VW Snap-In for Volkswagen& for Andi

17. Remove the piece

18. Hardware card tools

*Different brackets that are provided

5.   Lastly, you will want to secure your GPS device and excess cables so they do not move. You can place it under the dash and secure with heavy duty zip ties.

6.   Once device is installed it is recommended that you call DQ Support to verify that you have a good signal and that we can see the device. If you have already received training on GPS tracking you will be able to see the device on the DQ .Net GPS site.

IMPORTANT: Be sure to keep track of which devices are installed into each vehicle and then report that to DQ Support as well.

9PIN Green JBUS

1. Unfasten the diagnostic port from the vehicle by removing the screws (or in some vehicles it may be fastened using a jamb nut or some other method) and then backing it out of the plate that is holding it in place.
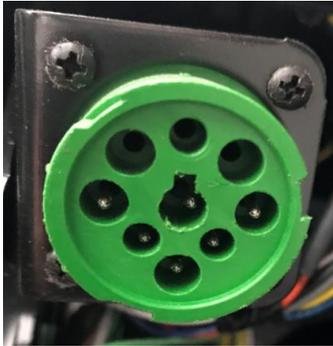
*Screwed in (Without Jamb nut)

*With Jamb nut

2. Once you have removed the diagnostic port from however it is mounted, plug in the cable end labeled **1** below to the diagnostic port.

3. Then you can plug in the cable end labeled **3** into the GPS device and it should "power up".

4. Cable end **2** as shown is the one to be used when connecting the port via screws. If the port is connected in some other way such as the "jamb nut", then you will need to use the other connecting pieces that are shipped with the cable to change the connector on cable end **2** to the appropriate type.

*Labeled JBUS cable

*Different connecting pieces that are provided

5. Once you have done that you can insert the diagnostic port back into its original location and secure it.

6. Lastly, you will want to secure your GPS device and excess cables so they do not move. You can place it under the dash and secure with heavy duty zip ties.

7. Once device is installed it is recommended that you call DQ Support to verify that you have a good signal and that we can see the device. If you have already received training on GPS tracking you will be able to see the device on the DQ .Net GPS site.

IMPORTANT: Be sure to keep track of which devices are installed into each vehicle and then report that to DQ Support as well.

Hardwire directly

**Safety note ** Always disconnect the vehicle battery while installing this or any other automotive electronic product.

There are two acceptable methods of making a wire connections; soldering your connections or using scrapable connectors. Regardless of the method you choose, ensure the connection if mechanically sound and properly insulated.

1. Connect the RED lead, labeled **1**, to +12-volt constant vehicle power.

2. Connect the BLACK lead, labeled **2**, to the vehicle chassis (GOUND).

3. Then plug the cable end labeled **3** into the GPS device.

*Labeled hardwire cable

4. Lastly, you will want to secure your GPS device and excess cables so they do not move. You can place it under the dash and secure with heavy duty zip ties.

5. Once device is installed it is recommended that you call DQ Support to verify that you have a good signal and that we can see the device. If you have already received training on GPS tracking you will be able to see the device on the DQ .Net GPS site.

IMPORTANT: Be sure to keep track of which devices are installed into each vehicle and then report that to DQ Support as well.

DQT AX11 PTO Installation

RS5 PTO Cable, AX11, & PTO Switch wiring layout

When installing the RS5 PTO wire, you will also need a relay. See below diagram outlining the wiring layout with RS5 cable, Relay, and PTO switch.
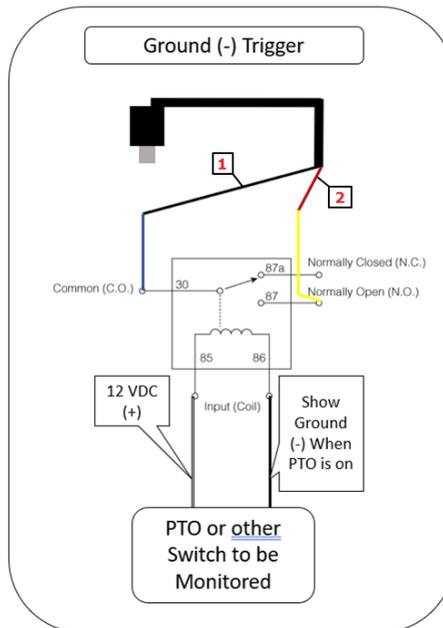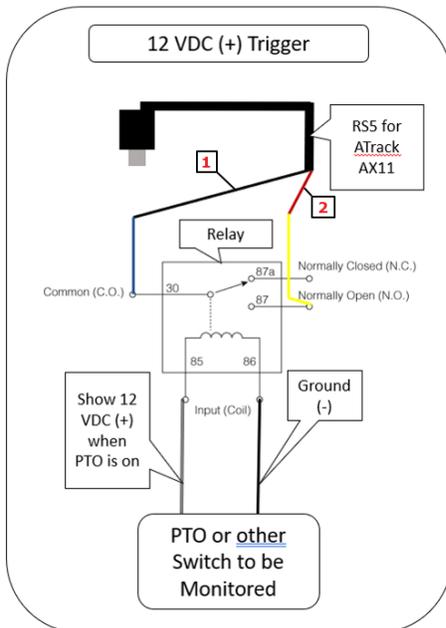
1. Connect the RED lead, labeled **2**.

2. Connect the BLACK lead, labeled **1**.

3. Then plug the cable end labeled **3** into the USB Port on the side of AX11 Device.

*Labeled RS5 PTO Cable
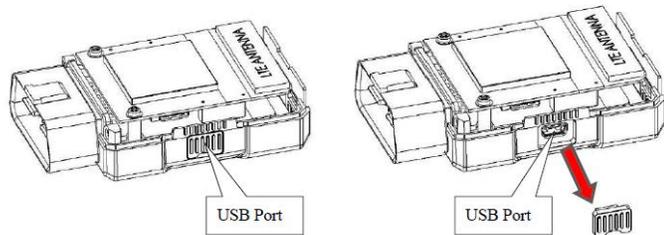
*AX11 USB Port

System Testing & Troubleshooting

If vehicle begins acting up after device has been install, such as throwing codes, won't start, check engine lights come on, unplug device IMMEDIATELY and contact DQ Support.

The AX11 devices will beep and display LEDs which indicate if the AX11 was installed properly, is having issues, getting GPS fixes, and more.

Beep indicator

When the GPS device is first powered on it will perform a series of beeps indicating it has been installed correctly.

The following table describes the beep states:

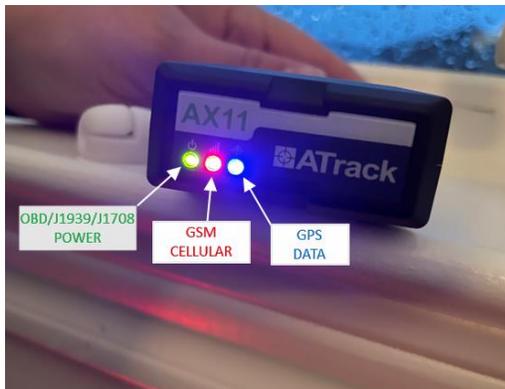| Beep Indication	Description
Beep 1 time	Device power ON
Beep 2 times	OBD/J1949/J1708 protocol found
Beep 3 times	GSM/GPRS connected
Beep 4 times	GPS fix

Green, Red, & Blue LED Indicators

The AX11 LED lights will reference different stages and/or errors that the GPS is experiencing.

Green = Power
Red = Cellular
Blue = GPS

The following table describes the LED states:

LED Indicators	Color	LED Status	Description
OBD/J1939/J1708 (Power)	**Green**	Solid OFF Fast blinking Blinking every 10 seconds	OBD/J1939/1708 protocol not found OBD/J1939/1708 data transmission Deep sleep mode
GSM (Cellular)	**Red**	Solid OFF Blinking every 1 second Blinking every 2 seconds Blinking twice every 2 seconds Solid ON	GSM power OFF GSM no signal GSM registered GPRS connected Assigned server connected
GPS (Data)	**Blue**	Solid OFF Blinking every 1 second Solid ON	GPS power OFF GPS no Fix GPS location Fix