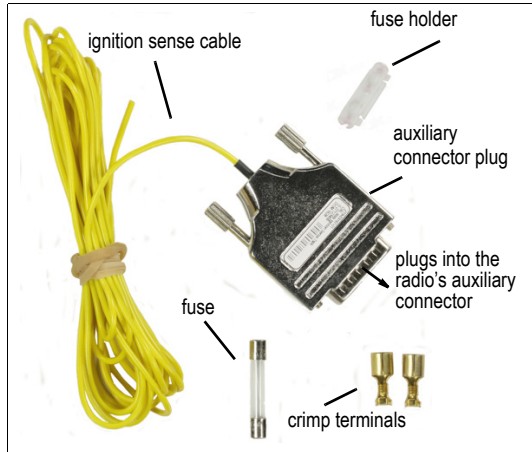# T02-00034-EAAA Ignition Sense Cable Installation Instructions

Introduction

The T02-00034-EAAA ignition sense cable provides a mating plug for the radio's auxiliary connector. The 13 ft (4m) cable from pin 4 (AUX_GPI3) of the plug connects to the vehicle's ignition signal.

Once the cable is installed, the ignition signal is used to power up and power down the radio, so that when the vehicle ignition is turned off, the radio turns off.

When the vehicle ignition is turned on, the radio is programmed to either turn on, or to return to the state that it was in when the vehicle ignition was turned off.

Notice The radio does not meet the IP54 protection standard once the bung for the auxiliary connector is removed. Therefore, once the T02-00034-EAAA ignition sense cable is installed, mount the radio in areas where it is not exposed to water, dust or other environmental hazards.

Hardware Configuration for Ignition Sense

The radio hardware link LK2 (on the top-side of the main board) must be fitted for ignition sense operation. The following table describes the configuration options.

ⓘ LK2 is fitted by default.

Configuration of hardware links for ignition sense

Link required	Voltages required for T02-00034-EAAA
LK2 in (factory default)	Ignition signal ≤ 0.9V (or floating) = off Ignition signal ≥ 5V = on Ignition-sense compatible with 24V vehicular systems (34V max.)

Radio Programming

1 Startup/Shutdown form: In the **Power On Mode** field, set how the radio responds when the radio receives a signal to power on from the vehicle's ignition signal. Select either 'Power On' or 'Previous State'.

2 Programmable I/O form (Digital tab): Program the **AUX GPI3 line** to 'Power Sense (Ignition)' and **Active** to 'High'.

Refer to the online help of the programming application for more information.

Installation

1 Connect the auxiliary connector plug to the radio's auxiliary connector.

2 Cut the wire where the in-line fuse holder will be placed (as close to the ignition/acc signal as possible).

3 Using an appropriate crimp tool, e.g. Utilux #102B, insert each end of the wire into each of the fuse crimp terminals and crimp them to force the metal contacts onto the wires.

4 Push the crimp terminals into the clear plastic fuse holder.

  Notice   Do not install the fuse until the installation is ready to be tested.

5 Connect the fused end of the ignition sense cable to the 13.8V signal controlled by the vehicles ignition key.

6 Insert the fuse into the fuse holder and close it.

7 Check the ignition sense feature is working correctly.

More Information

Refer to your radio provider for more information about this product.