



### Warning

**Failure to avoid the following potentially hazardous situations could result in an accident or collision resulting in death or serious injury.**

- Do not attempt to install or service the VIB unless you are a professional electronics installer. Installing or servicing the unit without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock or other hazards.

- You assume all responsibility and risk for any damage caused to the vehicle or any violation of the vehicle's applicable warranties by your installation work. Garmin disclaims all liability for any loss, injury, or damage resulting from the installation activities.
- Do not open the VIB or loosen the case screws. Doing so will void the warranty.

### INSTALLING THE INTEGRATED MOUNT (OPTIONAL)

The included mount allows you to install the GPS mount in the vehicle in a more permanent, integrated manner. This mount is optional; if the user prefers to use the mount that was included with the GPS navigator or a Garmin accessory mount, you do not need to install this integrated mount.



**WARNING:** When selecting a location for the integrated mount, ensure that the GPS navigator and mount do not obstruct the driver's view of the road or interfere with vehicle operating controls, such as the steering wheel. Do not place in front of or above any airbag.

*Do not mount where driver's field of vision is blocked.*

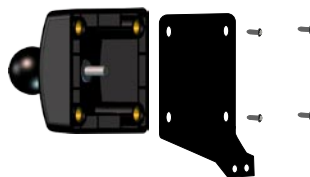


*Do not mount in front of an airbag field of deployment.*

You will need a vehicle-specific automotive accessory mount bracket that has a standard AMPS 4-hole pattern. Automotive accessory mount brackets are available from many locations such as RAM ([www.ram-mount.com](http://www.ram-mount.com)), Panavise ([www.panavise.com](http://www.panavise.com)) and Pro.Fit ([www.pro-fit-intl.com](http://www.pro-fit-intl.com))

#### Step 1: Attach the Mount

Using the four included screws, attach the included mount to the third-party mount bracket. The ball socket should face toward the vehicle's seats.



#### Step 2: Install the Third-Party Mount Bracket

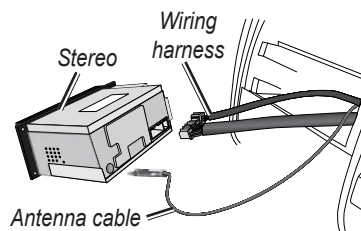
Follow the mount bracket manufacturer's instructions to install the mount bracket.

### INSTALLING THE VIB 10/11

#### Step 1: Prepare the Dashboard

Test the stereo to ensure that it receives FM signals and that the antenna functions properly (VIB 11 only).

Remove the trim panel or other parts of the dashboard. Remove the vehicle's stereo. Detach the antenna cable and wiring harness.



#### Step 2: Connect the Speaker and Power Wires

The VIB wiring harness uses the standard EIA color code. Refer to the wiring diagram on the back.

Connect the bare ends of the 24-pin connector harness to the vehicle power, stereo, and speakers. Third-party vehicle-specific wiring harnesses are available to simplify the installation ([www.metraonline.com](http://www.metraonline.com)).



**CAUTION:** The VIB speaker outputs are differential. Connect the VIB speaker outputs directly to the vehicle's speakers or to a high-level audio input on an amplifier. Audible pops may be heard if the VIB is not installed correctly.



**NOTE:** The tan "Output Level" wire (pin 9) limits the volume of the navigation prompts when the wire is grounded. You may want to ground the wire if you are connecting the VIB to a high-level audio amplifier input. To achieve the full volume of the navigation prompts, do not connect this wire and ensure that it does not come into contact with a ground.

#### Step 3: Connect Audio and Video Cables (Optional)

To listen to MP3 files from the GPS navigator over the vehicle's speakers, connect RCA cables (not included) to the Audio Out connectors on the VIB and the stereo's auxiliary input. To view video, connect video cables to the video connector.

#### Step 4: Connect the FM TMC Cables (VIB 11 Only)

If you are installing a VIB 11, which has an integrated FM TMC Traffic Receiver, connect the antenna adapter cables. The VIB is connected in-line with the antenna. Select the proper pair of antenna adapter cables by matching the connectors to the vehicle's antenna connector and the stereo's antenna connector.

- Connect the vehicle's antenna to the appropriate adapter cable. Connect the Fakra plug to the Ant. In connector on the VIB 11. The Fakra plug locks firmly in place. See the "VIB 11 Antenna Connections" drawings on the back.
- Connect the Fakra connector of the adapter cable to the Ant. Out connector of the VIB 11. Connect the appropriate adapter cable to the stereo's antenna connector. See the "VIB 11 Antenna Connections" drawings on the back.



**NOTE:** To test the installation, turn on the vehicle's stereo. If you can hear sound from an FM radio station, you have properly connected the VIB 11.

#### Step 5: Route the GPS Power Cable

Connect the GPS navigator wiring harness to the To PND connector on the VIB. Route the cable to reach the GPS navigator. Attempt to minimize the cable's visibility by routing it through an existing opening in the glove box, trim panel, or air vent.

#### Step 6: Mount the VIB

After all the wiring connections are made and the GPS power cable is properly routed, use screws or wire ties to secure the VIB behind the stereo.

#### Step 7: Replace Dashboard

When finished, replace the stereo and all parts of the dashboard to their original locations.

### MOUNTING THE GPS NAVIGATOR

Plug the power cable from the VIB into the power connector on the back of the GPS navigator or GPS navigator's cradle. Align the ball on the mount with the socket on the GPS navigator or GPS navigator's cradle. Snap the GPS navigator or cradle onto the ball socket. Refer to the GPS navigator's documentation for more information.



**NOTE:** To operate the GPS navigator with the VIB, you need to update the GPS navigator's software. See the VIB Reference Guide or GPS navigator's documentation for more information.



## Warning

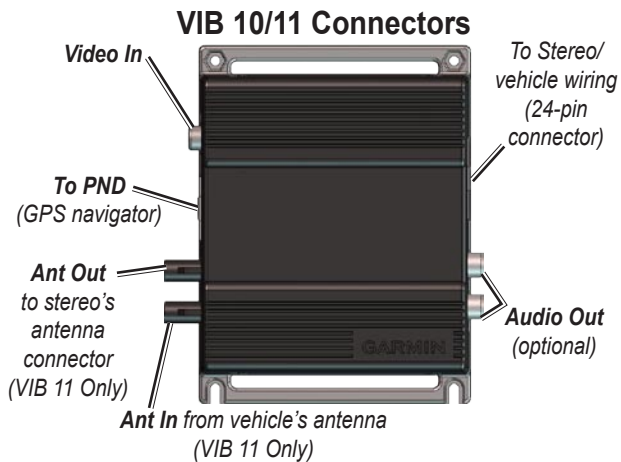
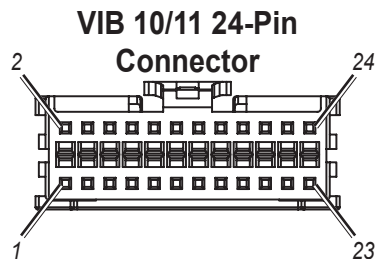
Failure to avoid the following potentially hazardous situations could result in an accident or collision resulting in death or serious injury.

- Do not open the VIB or loosen the case screws. Doing so will void the warranty.
- When extending ignition, battery, or ground wires, use automotive-grade wires or other wires with AWG 18 (0.75 mm<sup>2</sup>) gauge or greater.
- Connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as battery wires, the vehicle's battery may die.

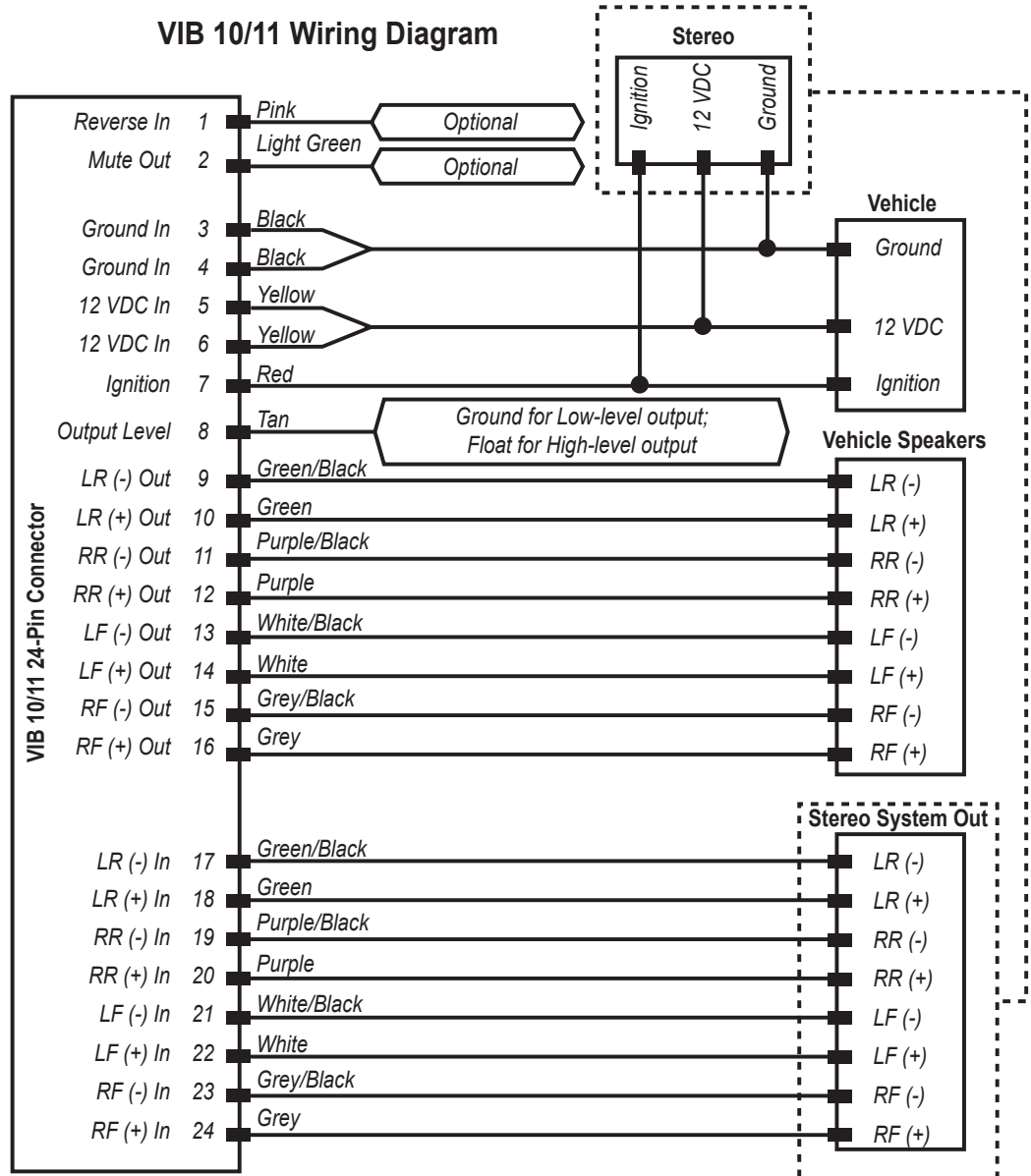
- Make sure to ground the VIB to the chassis of the vehicle.
- Secure all wiring with cable clamps or electrical tape. Insulate unconnected wires; do not allow any bare wiring to remain exposed.
- Do not let unconnected wires or terminals touch metal on the vehicle or anything else that can conduct electricity.
- Do not expose the unit to water or other liquids. The unit is not waterproof.
- Do not install the unit where it will be exposed to direct sunlight, excessive heat or humidity, or dust.



**NOTE:** There may be additional signals from the stereo that are not shown on this diagram. Any such signals should be connected directly back to the stereo.



## VIB 10/11 Wiring Diagram



## VIB 11 Antenna Connections

