

# KENWOOD GARMIN®

## GTM 10 FM TMC TRAFFIC RECEIVER INSTALLATION SHEET

Due to the location of the vehicle's radio antenna, **Kenwood highly recommends that the GTM 10 be installed by a professional installer. Installing the GTM 10 without the aid of a professional installer may damage the GTM 10 and void your warranty.**

The GTM 10 FM TMC Traffic Receiver installs between a vehicle's radio and its antenna cable. Carefully read this *Installation Sheet* and follow the instructions to install the GTM 10 in the vehicle.

### GTM 10 Overview

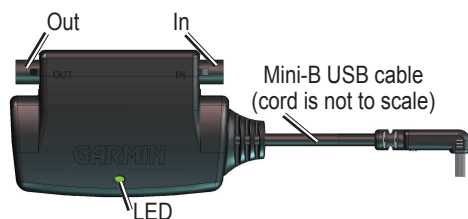
The GTM 10 has two cable connectors that allow it to be installed in series between the antenna and radio. **Do not open the GTM 10 or loosen the case screws.**

**In:** In from antenna. Connect the antenna adapter here.


**Out:** Out to radio. Connect the radio adapter cable here.

**LED:** displays the signal status.

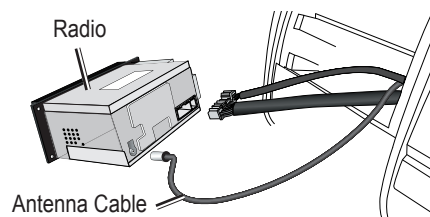
**Mini-B USB cable:** 1.5-meter built-in cable to connect to a GPS device.



### Step 1: Prepare the Radio

 **TEST:** Before installation, test the vehicle's radio to ensure that the antenna is functioning properly and the radio can receive all normal FM signals. If the antenna functions improperly, the GTM 10 may not work properly. Consult the owner about continuing with installation.

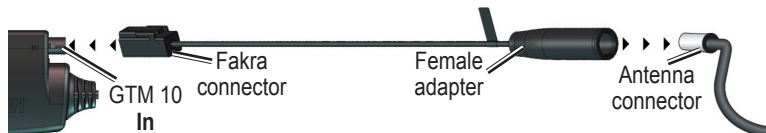
Remove the trim panel and other parts of the dashboard to access the vehicle's radio antenna cable. You may need to remove the radio as well. Detach the antenna cable.



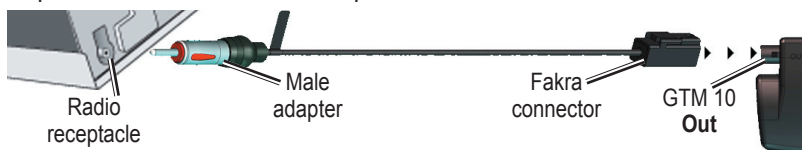
### Step 2: Connect to the Radio

The GTM 10 connects in series between the antenna and radio.

1. Connect the antenna plug to the female (receptacle) adapter cable. Connect the Fakra plug to the **In** connector on the GTM 10. The Fakra plug locks firmly in place.



2. Connect the Fakra connector of the adapter cable to the **Out** connector of the GTM 10. Connect the male (plug) adapter cable into the radio receptacle, as shown below.





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**TEST:** Turn on the vehicle's radio. If sound from an FM radio station can be heard, the GTM 10 and its cables are properly connected. If no sound is heard, the GTM 10 is not connected correctly. Check that all cables are locked into place and free of obstructions. If the connections are secure, make sure the chosen adapter cables are correct for the vehicle.

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### Step 3: Connect to the GPS Device

Route the mini-B USB cable from behind the radio on the passenger's side of the vehicle up to the GPS device. If possible, thread the cable through an existing opening in the glove box or trim panel. Thread enough cable through the opening to reach the GPS device. **Do not cut the mini-B USB cable.**

If the mini-B USB cable is not long enough to reach the GPS device, use the 2-meter extension cables provided. Wrap the two connectors with electrical tape. Additional extensions are available for purchase from a Garmin dealer or from the Garmin Web site at <http://www.garmin.com/products/gtm10>.

### Step 4: Test the GTM 10

Test the GTM 10 for a proper installation and service reception. Connect the mini-B USB connector to the GPS device.

- **Observe the LED:** Turn on the GPS device. Service reception is indicated by the solid green light, which may take up to five minutes to appear for initial data acquisition.
  - ○ ● ● Yellow dot-dash flashes: waiting for initial country code, automatically supplied by the GPS device.
  - ○ ● ○ Yellow fast flashes: searching table for active entry
  - ● ● ● Red/Green flashes: scanning for new TMC FM stations
  - ● ● ● Red solid light: momentary sync loss
  - ● ● ● Green solid light: normal TMC traffic data flow. The GTM 10 must be in an area of service and be receiving adequate signals to display a solid green light.
- **Verify Signal Strength:** If you are inside a building where radio signals cannot be received, you may need to take the vehicle outside for testing.
- **Verify that you are in a service area:** Check for service from the pay service or free services, if available. To view service areas, go to the Garmin Web site at <http://www.garmin.com/fmtraffic>.
- **Check the Map:** Turn on the GPS device and access a map. Check for traffic alerts and symbols on the map. It may be easiest to browse the map of a roadway or intersection under construction or that is known to have frequent traffic hazards. If possible, refer to the *Owner's Manual*.

If the above tests fail, either you are not in a service area, the purchased subscription is not activated (see below), or the installation might be faulty.

## **Activating a Subscription**

The GTM 10 package provides a 90 day subscription to a pay service. Your subscription activates when the GTM 10 first receives traffic signals from the pay service. The GTM 10 can also use any free services available.

To renew your FM subscription or purchase an additional subscription, go to Garmin's FM Traffic Web site at <http://www.garmin.com/fmtraffic>. Follow the steps on the Web site to obtain a 25-character Traffic Subscription Code. Enter the 25-character code in your GPS device. Refer to the confirmation e-mail or Web page, or the GPS device's Owner's Manual, for specific instructions about entering the Traffic Subscription Code.



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**NOTE:** *You do not need to activate the subscription that came with your GTM 10.*

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The Traffic Subscription Code cannot be reused; you must obtain a new code each time you renew your service. The code is specific for the GTM 10 it was purchased for; it cannot be used on multiple GTM 10 devices.

## **Step 5: Mount the GTM 10**

If possible, place the GTM 10 where the LED can be seen without dismantling the dashboard.

### 1. Mount the GTM 10:

- Attach with foam tape: clean and dry a flat surface behind the dashboard. Remove the backing from the foam tape and attach the GTM 10 to the flat surface.
- Hang freely: bind up any slack cable from the mini-B USB cable with a wire tie and let the GTM 10 hang freely behind the radio.

2. Check that all cables and the GTM 10 are secure and free of obstruction.

3. Replace all parts of the dashboard to their original locations.