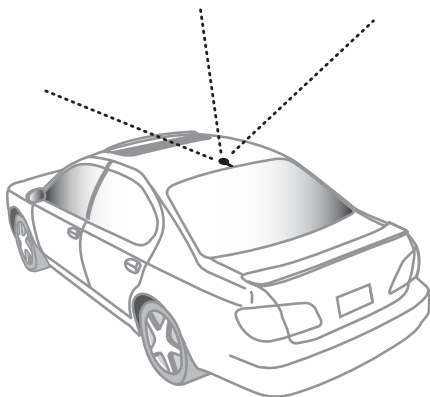
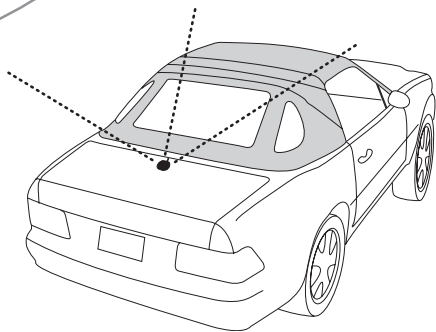


Vehicle Installation

- 4 Place the antenna in the location you selected. Follow the Tips and Cautions shown on the next several pages.



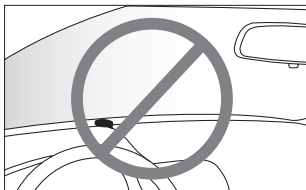
TIP! Mount the antenna on the roof (for most vehicles) or trunk (for convertibles) where it has a clear view of the sky in all directions.



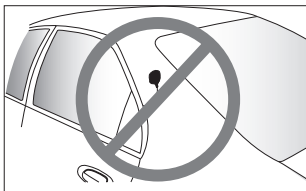
Vehicle Installation



CAUTION! Don't mount the antenna inside the vehicle, for example, on the dashboard.



CAUTION! Don't mount the antenna on any of the vehicle's front, back or side pillars.



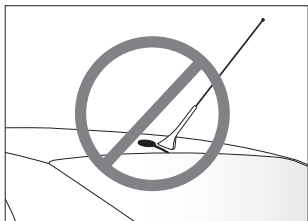
CAUTION! Don't mount the antenna close to a roof rack. Adjust the rack so it's further away from the antenna or move the antenna closer to the center of the roof.



Vehicle Installation



CAUTION! Don't mount the antenna close to another antenna. Mount it at least 3 inches away.

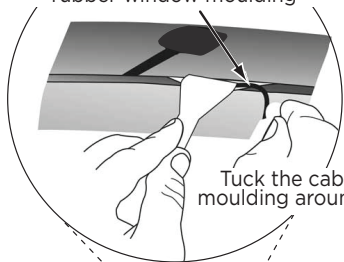


Vehicle Installation

Step 4: Route the Magnetic Mount Antenna Cable

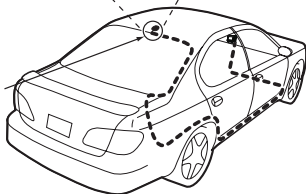
Before you begin routing the antenna cable, read these general instructions for how to route and hide the antenna cable. Then route your antenna cable according to the instructions which follow for your specific type of vehicle.

Use a blunt plastic putty knife, a credit card, a plastic knife, or a similar blunt tool to lift the rubber window moulding



Tuck the cable under the moulding around the window

Feed cable under rubber moulding around window



Vehicle Installation

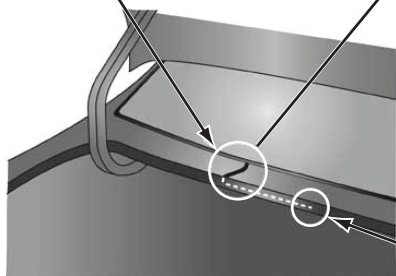
Route cable out from under rear windshield moulding and tuck into weatherstripping around trunk opening
Avoid sharp bends by running cable through weatherstripping for several inches



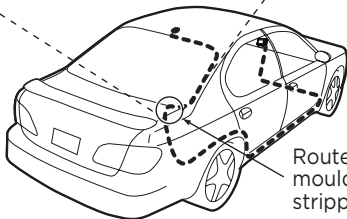
Pull weatherstripping from trunk opening



Tuck cable into weatherstripping. Route cable through weatherstripping several inches to avoid sharp bends



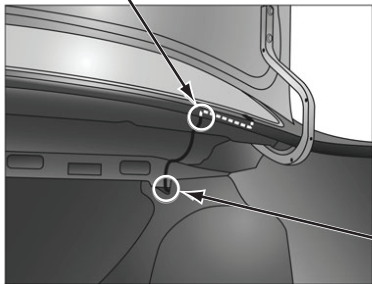
Pull cable out of weatherstripping and route through trunk to cabin



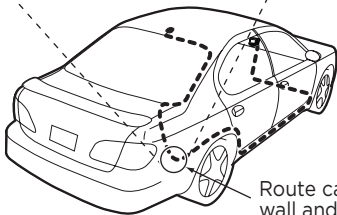
Route cable out of window moulding and into weatherstripping around trunk opening

Vehicle Installation

Bring cable out of weatherstripping and into trunk

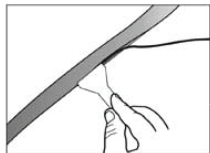


Route cable along trunk wall and into cabin through gap or conduit, along existing wiring harness

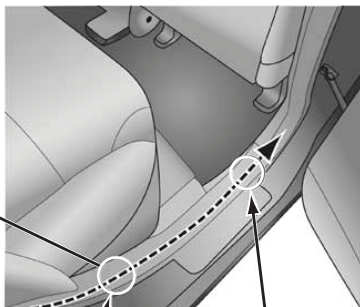


Route cable along trunk wall and into cabin

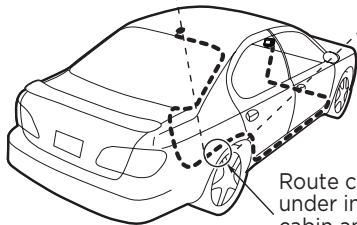
Vehicle Installation



Use a blunt plastic putty knife or similar blunt tool to lift edge of interior trim and tuck cable under trim. Continue towards front of vehicle



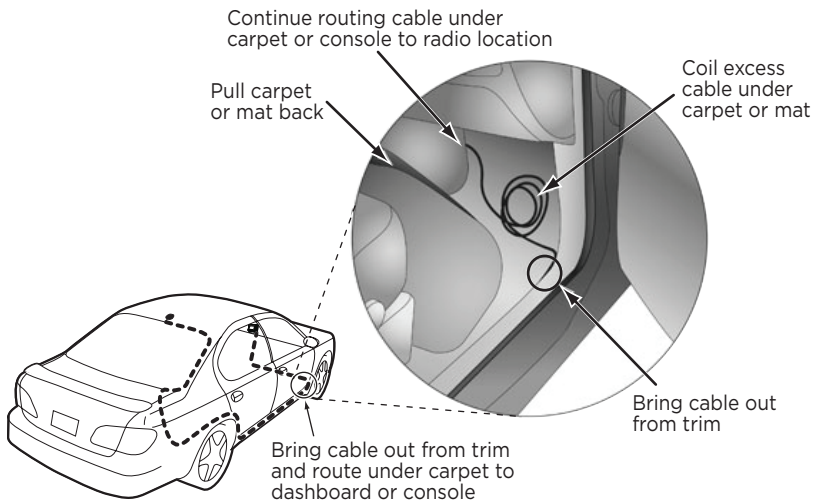
Route cable under trim or upholstery



Route cable from trunk under interior trim, into cabin and towards front of vehicle

Continue routing cable under trim or carpet towards front of vehicle

Vehicle Installation

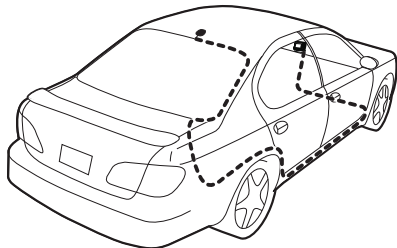


TIP! Always be careful to include enough slack in your cable to accommodate open doors or trunk lids. Use things typically found around the home, like electrical tape, to secure cables in areas so that hinges do not pinch the cable with the door. Hide any excess cable in the trim.

Vehicle Installation

Sedan/Coupe With Antenna Placed at the Rear of the Roof:

- 1.** Feed the antenna cable from the antenna underneath the rubber molding around the rear window. Use a blunt plastic putty knife or similar blunt tool to lift the rubber molding around the rear window and tuck the antenna cable underneath the molding. Route the antenna cable around and down the window to the lowest point. If your rear window does not have rubber molding, we recommend consulting a professional installer.
- 2.** Route the antenna cable out of the window molding and into the rubber weather stripping around the trunk opening. Lift the weather stripping from the opening and tuck the cable inside it, then replace the weather stripping. To avoid sharp bends in the cable, run the cable inside the weather stripping for a few inches, then remove the cable from the weather stripping inside the trunk. Keep the cable away from hinges, gears, etc., that could damage it.
- 3.** Route the cable out from the rubber weather stripping and along the trunk wall. Continue routing the cable into the vehicle cabin through a conduit or along an existing wiring harness.
- 4.** Route the cable through the main cabin area under the interior trim, towards the front of the vehicle. Use a blunt plastic putty knife or similar blunt tool to lift the plastic trim just enough to tuck the cable under underneath. Avoid side airbag locations on back pillars and above the doors. Airbag locations are marked with “SRS”



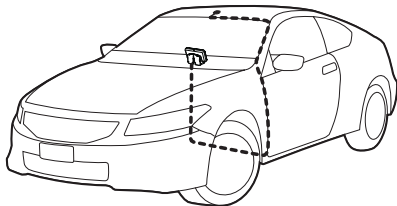
Vehicle Installation

logos. Be careful not to crimp or cut the cable.

5. Bring the cable out from the trim near the front of the cabin and route it under the carpet toward the dashboard or console. Coil any excess cable in a hidden location, such as under the carpet, keeping it away from any vehicle pedals or controls. Secure the excess cable with wire ties (purchased separately).
6. Bring the end of the cable out at the *PowerConnect* Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector of the dock.
7. Continue with “Step 5: Connect the Magnetic Mount Antenna and *PowerConnect* Power Adapter” on page 35.

Sedan/Coupe With Antenna Placed at the Front of the Roof

1. Feed the antenna cable from the antenna underneath the rubber molding around the windshield. Use a blunt plastic putty knife or similar blunt tool to lift the rubber molding around the windshield and tuck the antenna cable underneath the molding. Route the antenna cable around and down the windshield to the lowest point.
2. At the lowest corner of the windshield, route the cable out of the windshield molding and into the rubber weather stripping around the door opening. Lift the weather stripping from the opening and tuck the cable inside it, then replace the weather stripping. Run the cable inside of the weather stripping to the bottom of the door



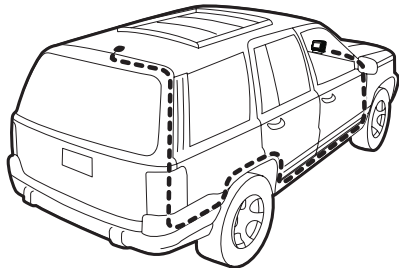
Vehicle Installation

opening.

3. Pull the cable out of the weather stripping at the bottom of the door opening and route it under the carpet toward the dashboard. Coil any excess cable in a hidden location, such as under the carpet, keeping it away from any vehicle pedals or controls. Secure the excess cable with wire ties.
4. Bring the end of the cable out at the *PowerConnect Vehicle Dock* location. Leave yourself enough cable so you can easily connect it to the antenna connector of the dock.
5. Continue with “Step 5: Connect the Magnetic Mount Antenna and *PowerConnect Power Adapter*” on page 35.

Sport Utility Vehicle (SUV)

1. Feed the antenna cable underneath the rubber weather stripping of the rear tailgate window/door and route the cable along the rear hatch. Lift the weather stripping from the opening and tuck the cable inside it, then replace the weather stripping. Pull the cable out from weather stripping and route it into the cabin under the interior trim. Avoid hinges or gears that could crimp or cut the cable.
2. Route the cable through the SUV's main cabin area under the interior trim, towards the front of the vehicle. Use a blunt plastic putty knife or similar blunt tool to lift the plastic trim just enough to tuck the cable



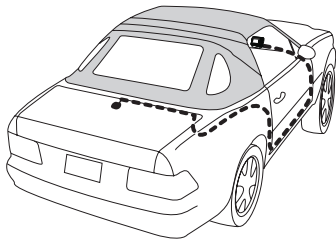
Vehicle Installation

under underneath. Avoid side airbag locations on back pillars and above the doors. Airbag locations are marked with “SRS” logos. Be careful not to crimp or cut the cable.

3. Bring the cable out from the trim near the front of the cabin and route it under the carpet toward the dashboard or console. Coil any excess cable in a hidden location, such as under the carpet, keeping it away from any vehicle pedals or controls. Secure the excess cable with wire ties (purchased separately).
4. Bring the end of the cable out at the *PowerConnect* Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector of the dock.
5. Continue with “Step 5: Connect the Magnetic Mount Antenna and *PowerConnect* Power Adapter” on page 35.

Convertible

1. Bring the antenna cable from the antenna into the trunk at the front edge of the trunk lid. Keep any bends in the cable loose. Tape or tie the cable along the inside of the trunk lid to the trunk lid hinge strut.
2. Allow enough slack in the cable so the trunk lid can easily open and close and keep the cable away from hinges, gears, etc., that could crimp or cut it. Route the cable along the trunk wall and into the cabin through a conduit or along an existing wiring harness.
3. Route the cable through the main cabin area under the interior trim,



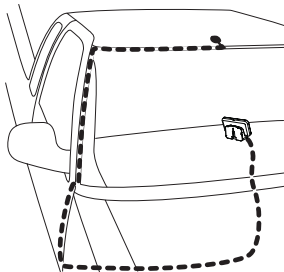
Vehicle Installation

towards the front of the vehicle. Use a blunt plastic putty knife or similar blunt tool to lift the plastic trim just enough to tuck the cable under underneath. Avoid side airbag locations on back pillars and above the doors. Airbag locations are marked with “SRS” logos. Be careful not to crimp or cut the cable.

4. Bring the cable out from the trim near the front of the cabin and route it under the carpet toward the dashboard or console. Coil any excess cable in a hidden location, such as under the carpet, keeping it away from any vehicle pedals or controls. Secure the excess cable with wire ties (purchased separately).
5. Bring the end of the cable out at the *PowerConnect* Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector of the dock.
6. Continue with “Step 5: Connect the Magnetic Mount Antenna and *PowerConnect* Power Adapter” on page 35.

Pickup Truck

1. Use a blunt plastic putty knife or similar blunt tool to lift the rubber molding around the windshield and tuck the antenna cable underneath it.
2. Continue tucking the cable underneath the windshield molding around the windshield to the lowest corner.
3. At the lowest corner of the windshield, route the cable out of the windshield molding and into the rubber weather



Vehicle Installation

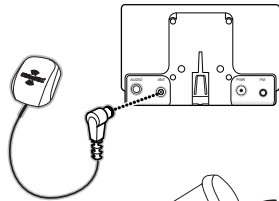
stripping around the door opening. Lift the weather stripping from the opening and tuck the cable inside it, then replace the weather stripping. Run the cable inside of the weather stripping to the bottom of the door opening.

- 4.** Pull the cable out of the weather stripping at the bottom of the door opening and route it under the carpet toward the dashboard. Coil any excess cable in a hidden location, such as under the carpet, keeping it away from any vehicle pedals or controls. Secure the excess cable with wire ties.
- 5.** Bring the end of the cable out at the *PowerConnect* Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector of the dock.
- 6.** Continue with “Step 5: Connect the Magnetic Mount Antenna and *PowerConnect* Power Adapter” on page 35.

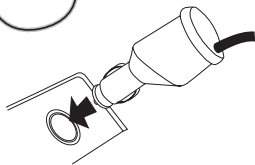
Vehicle Installation

Step 5: Connect the Magnetic Mount Antenna and PowerConnect Power Adapter

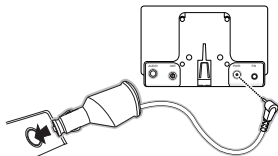
1. Plug the Magnetic Mount Antenna into the **silver ANT** connector on the *PowerConnect* Vehicle Dock.



2. Insert the *PowerConnect* Power Adapter into your vehicle's cigarette lighter or power adapter socket.



3. Plug the *PowerConnect* Power Adapter into the **red PWR** connector on the dock.



Vehicle Installation

Step 6: Connect the Audio

To play XM audio through your vehicle's stereo or FM radio, decide on one of the following audio connection options:

- **Option 1: Best:** Use the provided **Aux In Cable** if your vehicle's stereo system has an auxiliary input connection or jack. Refer to your vehicle's owners manual to find the location of the auxiliary input jack, or consult the vehicle dealer.



TIP! The auxiliary input jack may be located on the face plate of the vehicle radio, on the back of the radio, anywhere on the front dash panel, inside the glove compartment, or inside the center console in between the front seats.

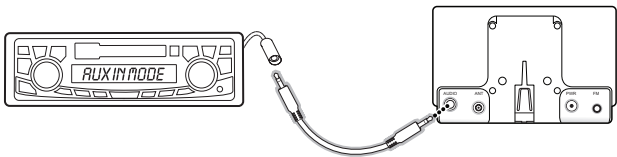
- **Option 2: Better:** Use a **Cassette Adapter** if your vehicle has a built-in cassette player. Cassette Adapters are sold separately and can be purchased from an electronics retailer, or go to www.siriusxm.com/accessories.
- **Option 3: Good:** Use the **PowerConnect** feature of Onyx Plus. *PowerConnect* plays the audio through your vehicle's FM radio.
- **Option 4: Best:** Use the **FM Direct Adapter**. If none of the previous three audio connection options will work in your vehicle, then you will need to use the FM Direct Adapter (FMDA) (sold separately). The FMDA needs to be installed by a professional installer and directly connects Onyx Plus to your vehicle's FM radio. To learn more, check with the retailer where you bought your Radio, or go to www.siriusxm.com/accessories.

Follow the installation instructions in the next several sections for the audio connection option that you have selected.

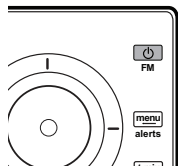
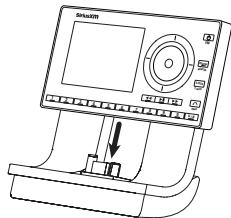
Vehicle Installation

Option 1: Aux In Cable Installation Instructions

1. Plug one end of the Aux In Cable into the **green AUDIO** connector on the dock.



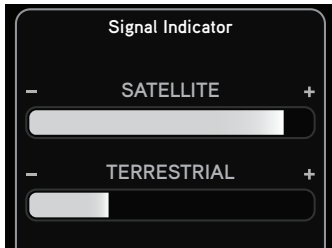
2. Plug the other end into the auxiliary input jack of your vehicle's stereo system.
3. If you are using the vent mounting method, attach the Vent Mount to the vehicle vent.
4. Insert your Onyx Plus into the dock.
5. Power on your Onyx Plus by pressing the **Power button**.
6. Be sure the vehicle is outside and the antenna has a clear view of the sky. Verify that you are receiving the XM signal. There should be at least two bars on the lower left corner of the main display screen that denotes antenna signal strength. You can also press **menu** and then press ▼ to scroll to and highlight **Signal Indicator**. Press the **Select button**. The Satellite and Terrestrial bars show the strength of the signal being received. If the signal reception is good, press and hold **menu** to return to the main display screen.



Vehicle Installation

7. Ensure Onyx Plus is tuned to channel 1, the XM Preview channel. Upon power up, Onyx Plus should tune to channel 1 by default, when it's not yet activated. If it's not on channel 1, refer to "Listening to Satellite Radio" on page 51 to learn about how to tune a channel.
8. Turn on your vehicle's stereo system. Set it to play from the auxiliary input source. You should hear XM channel 1 through your vehicle's stereo system. You are now ready to activate your Onyx Plus.
9. Go back to "Step 2: Install the Adhesive or Vent Mount" on page 14 and finish installing the Dash or Vent Mount. Then the installation is complete.
10. The audio level output of Onyx Plus can be increased or decreased as necessary to match the audio levels of other sources in your vehicle. Refer to "Audio Level" on page 92.

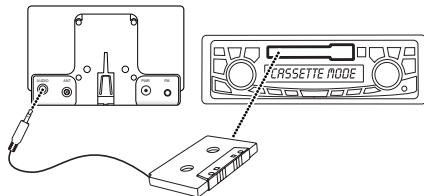
If the signal reception is good, showing at least two bars in the lower left corner of the display, but there is no XM audio, be sure the vehicle's stereo system is set to the auxiliary input source (step 8). Also be sure that the audio level is set high enough to be heard (step 10). Refer to "Troubleshooting" on page 105 for additional help.



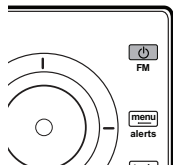
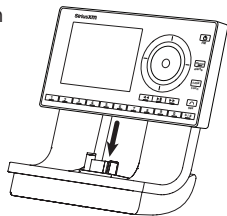
Vehicle Installation

Option 2: Cassette Adapter Installation Instructions

1. Plug the Cassette Adapter into the **green AUDIO** connector on the dock.
2. Insert the Cassette Adapter into the vehicle's cassette deck. You may need to turn on your vehicle's stereo system in order to do so.



3. If you are using the vent mounting method, attach the Vent Mount to the vehicle vent.
4. Insert your Onyx Plus into the dock.
5. Power on your Onyx Plus by pressing the **Power button**.
6. Be sure the vehicle is outside and the antenna has a clear view of the sky. Verify that you are receiving the XM signal. There should be at least two bars in the lower left corner of the main display screen that denotes antenna signal strength. You can also press **menu** and then press ▼ to scroll to and highlight **Signal Indicator**. Press the **Select button**. The Satellite and Terrestrial bars show the strength of the signal being received. If the signal reception is good, press and hold **menu** to return to the main display screen.



Vehicle Installation

7. Ensure Onyx Plus is tuned to channel 1, the XM Preview channel. Upon power up, Onyx Plus should tune to channel 1 by default, when it's not yet activated. If it's not on channel 1, refer to "Listening to Satellite Radio" on page 51 to learn about how to tune a channel.
8. Turn on your vehicle's stereo system. Set it to play from the auxiliary input source. You should hear XM channel 1 through your vehicle's stereo system. You are now ready to activate your Onyx Plus.
9. Go back to "Step 2: Install the Adhesive or Vent Mount" on page 14 and finish installing the Dash or Vent Mount. Then the installation is complete.
10. The audio level output of Onyx Plus can be increased or decreased as necessary to match the audio levels of other sources in your vehicle. Refer to "Audio Level" on page 92.

If the signal reception is good, showing at least two bars in the lower left corner of the display, but there is no XM audio, be sure the vehicle's stereo system is set to the cassette source (step 4). Also be sure that the audio level is set high enough to be heard (step 5). Refer to "Troubleshooting" on page 105 for additional help.

