# User Guide

## Stratus 5

Satellite Radio

# Here's your new SIRIUS® Stratus 5 Dock & Play Radio

Your new SIRIUS Stratus 5 Dock & Play Radio comes with everything you need to enjoy SIRIUS® in your car. With available SIRIUS Universal Docking accessories you can use your Stratus 5 just about anywhere.

Your new Stratus 5 gives you powerful features:

>> Easy-to-read 3-line display.

>> Built-in wireless FM transmitter so you can listen to SIRIUS through your car's FM stereo. An FM Presets button makes transmitter frequency changes quick and easy.

>> Jump button that lets you jump to and from your local traffic and weather report channel with the touch of just one button

Use this manual to familiarize yourself with all of your SIRIUS Stratus 5's features and capabilities. For the latest information about your Stratus 5 and other SIRIUS products and accessories, visit http://www.sirius.com.

# Table of Contents


**Table of Contents . . . . . 4**

**Warning and Safety Information . . . . . 6**

FCC Information . . . . . 6
Canadian Compliance . . . . . 7
General Precautions . . . . . 7
Warnings . . . . . 8

**Copyrights & Trademarks . . . . . 10**

**Package Contents . . . . . 11**

**Installation . . . . . 14**

Location . . . . . 14
Mounting the Vehicle Dock. . . . . 16
Installing the Magnetic Antenna . . . . . 20
Connecting the Cigarette Lighter Adapter . . . . . 37
Docking Your SIRIUS Radio . . . . . 37
Cable Separation and Routing . . . . . 38
Connecting Your Stratus 5 to Your Vehicle's Audio System . . . . . 40
Subscribing to the SIRIUS Service . . . . . 63

**Controls . . . . . 64**

SIRIUS Stratus 5 Front Panel. . . . . 64
Vehicle Dock Reference Guide . . . . . 66

**Operation . . . . . .67**

Display Screen Information . . . . . 67
Changing Channels and Categories . . . . . 68
Selecting Channels Directly . . . . . 68
Channel Presets . . . . . 69
FM Presets/MENU Button . . . . . 70
Jump Button . . . . . 71

**Menu Options . . . . . .72**

SIRIUS ID . . . . . 73
FM Transmitter. . . . . 74
Settings. . . . . 75
Signal . . . . . 83
Factory Default . . . . . 83

**Troubleshooting . . . . . 85**

**Specifications. . . . . 86**

**SIRIUS ID . . . . . .87**

# Warning & Safety Information

## FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a CLASS B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

### Warning

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

# Canadian Compliance

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

# General Precautions

## Liquid Crystal Precautions

If the LCD screen on the radio is damaged, do not to touch the liquid crystal fluid. If any of the following situations happen, take the action indicated:

1. If the liquid crystal fluid comes in contact with your skin, wipe the skin area with a cloth and then wash the skin thoroughly with soap and running water.
2. If the liquid crystal fluid gets into your eye, flush the eye with clean water for at least 15 minutes. Seek medical care.
3. If the liquid crystal fluid is ingested, flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Seek medical care.

### Safety Precautions

Be sure to observe the following warnings. Failure to follow these safety instructions and warnings may result in a serious accident.

- Do not operate your Stratus 5 in a way that might divert your attention from driving safely. As a driver, you alone are responsible for safely operating your vehicle in accordance with traffic safety laws at all times.

- Do not install the unit where it may obstruct your view through the windshield, or of your vehicle's indicator displays.
- Do not install the unit where it may hinder the function of safety devices such as an airbag. Doing so may prevent the airbag from functioning properly in the event of an accident.
- Be sure the unit is installed as described in the installation instructions which accompany each accessory kit. SIRIUS Satellite Radio is not responsible for issues arising from installations which were not installed according to the instructions.
- To avoid short circuits, do not open the unit, and never put or leave any metallic objects (coins, tools, etc.) inside the unit.
- If the unit emits smoke or unusual odors, turn the power off immediately, and disconnect the unit from any power source.
- Do not drop the unit or subject it to strong shocks.
- If the unit doesn't seem to be working properly, turn the unit off, wait 10 seconds and then turn it on again.
- The installation and use suggestions contained in this manual are subject to any restrictions or limitations that may be imposed by applicable law. The purchaser should check applicable law for any restrictions or limitations before installing and/or operating this unit.
- Do not install the FM Extender Antenna where it will hinder or block your view. In some states it may be illegal to mount it on the windshield of your vehicle. Check applicable law for any restrictions or limitations before installing the FM Extender Antenna on your windshield.
- Do not install the FM Extender Antenna where it may hinder the function of safety devices such as an airbag. Doing so may prevent the airbag from functioning properly in the event of an accident.

# Warnings

## Notice To Drivers In California and Minnesota

State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Other dashboard or friction mounting options should be used. SIRIUS does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71)

## Operating Temperature

The Stratus 5 is designed to operate between -20° to +85° C (-4° to +185° F). Avoid leaving the radio in a vehicle or elsewhere where the temperature may fall outside this range. Extreme temperatures or extreme temperature fluctuations can degrade the performance of the LCD display screen, and possibly damage it.

## Cleaning and Maintenance

If the radio or accessories become dirty, turn the power off and wipe it clean with a soft cloth. Do not use hard cloths, strong cleaning fluids, paint thinner, alcohol, or other volatile solvents to clean. These may cause damage to the radio.

## Cigarette Lighter Adapter

The Vehicle Dock cannot be powered directly from a vehicle's 12VDC power system. It must be powered from the vehicle's cigarette lighter or similar power port using the included Cigarette Lighter Adapter or an equivalent DC power adapter (see your local electronics dealer). Connecting the Vehicle Dock directly to the vehicle's 12VDC power system may result in damage to the Vehicle Dock or SIRIUS radio, or both.

# Copyrights & Trademarks

© 2008 SIRIUS Satellite Radio Inc. All Rights Reserved.

® "SIRIUS", the SIRIUS dog logo, channel names and logos are trademarks of SIRIUS Satellite Radio Inc. All other trademarks, service marks, sports team names, album art, and logos are the property of their respective owners. All Rights Reserved.

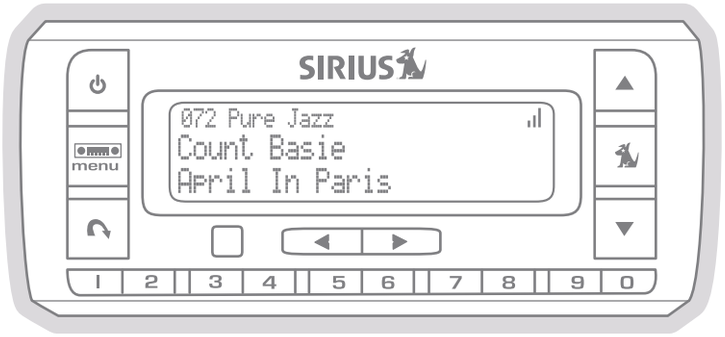
Portions of the software on this radio are licensed under the eCos License. Distribution of eCos requires that the eCos source code be made available to SIRIUS Satellite Radio customers. The eCos License and eCos source code are available to the public at **http://www.sirius.com/ecoslicense**.

SIRIUS Satellite Radio reserves all rights to all radio software not covered under the eCos license. This includes all portions of radio software that were not distributed to SIRIUS as part of the eCos operating system.

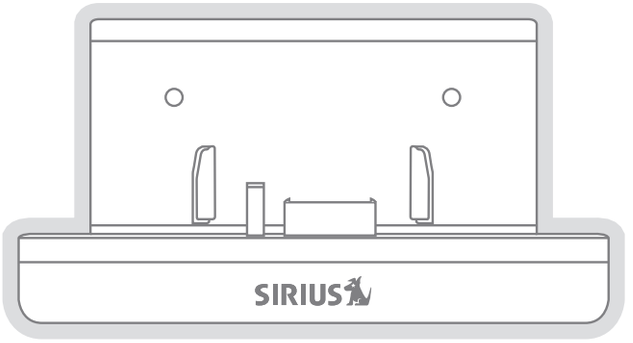
Hardware, subscription and activation fee required. For full Terms & Conditions, visit **http://sirius.com.** Prices and programming are subject to change. Not available in HI and AK. Equipment and subscription sold separately. Installation required with some equipment.

# Package Contents

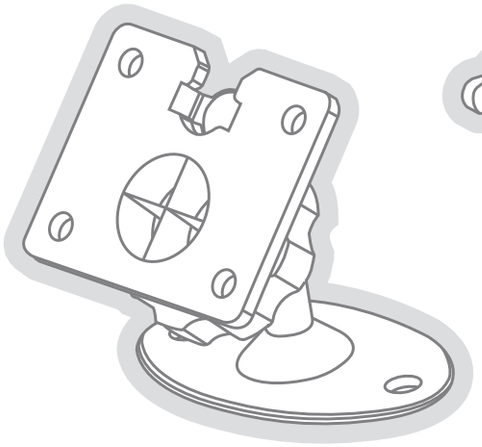
The following items are included with your purchase of the SIRIUS Stratus 5 radio:



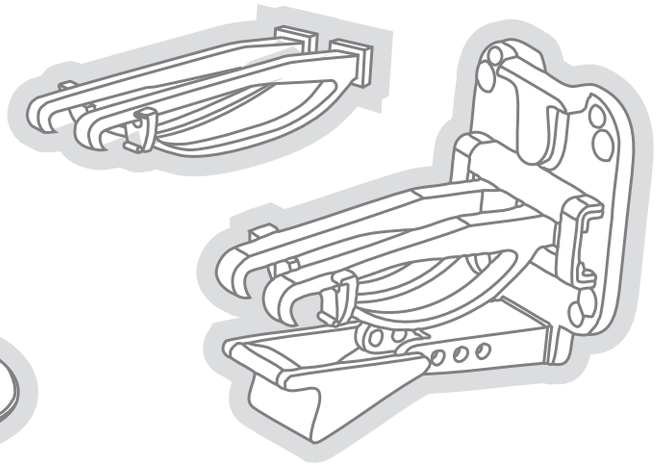

Stratus 5 Radio



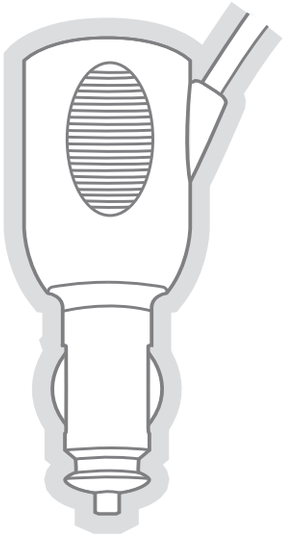

Vehicle Dock



Adhesive Dash Mount

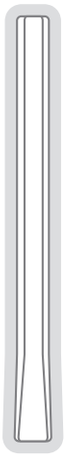


Vent Mount &
Extended Vent Hooks

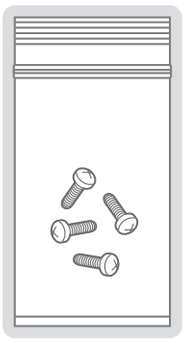


Cigarette Lighter
Adapter

Magnetic Antenna

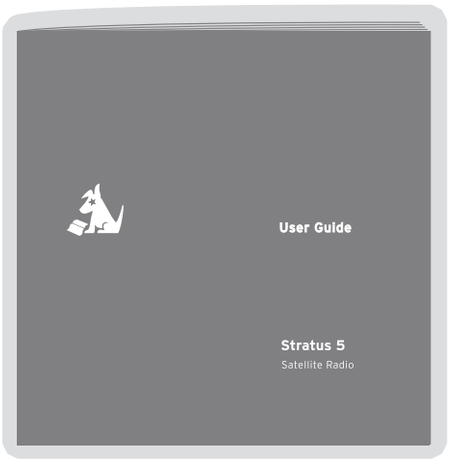


Antenna Cover/Tail

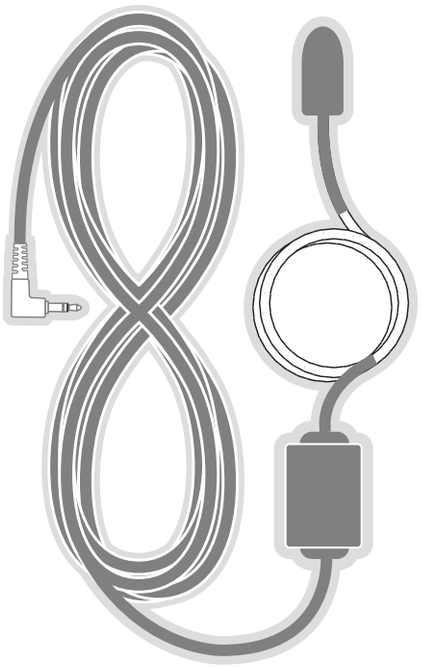


Screws

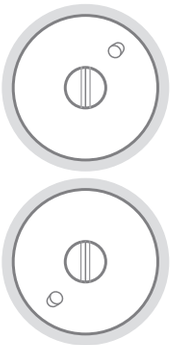
Alcohol Swab




User Guide



FM Extender Antenna



Suction Cups (2)

Self Adhesive Cable Guides (3)

Unpack your SIRIUS Stratus 5 radio carefully and make sure that everything shown is present. If anything is missing or damaged, or if your the radio fails to operate, notify your dealer immediately. We recommend that you retain the original carton and packing materials in case you need to ship your radio in the future.

# Installation

SIRIUS suggests that you have your Stratus 5 professionally installed in your vehicle. Professional installation provides an experienced technician to install this product in your vehicle, advice for selecting a suitable mounting location for the Vehicle Dock, installation of the antenna, and proper routing of all the necessary wires and cables. If the locations of your SIRIUS radio and your vehicle's FM antenna make the performance the SIRIUS radio's built in FM transmitter within your vehicle poor, a professional installer will have the necessary accessories to install an optional FM Direct Adapter or audio cable to connect the audio output of the Vehicle Dock directly to your vehicle's audio system. Ask your SIRIUS retailer if they provide professional installation services or can recommend a professional installation service.

## Location

When installing the Vehicle Dock in your vehicle, choose a location in your vehicle where it will not block your vision, interfere with the vehicle controls, or obstruct the air bag. The location should be easily accessible and provide good visibility of the display, and should not be located where it will be in direct sunlight which will affect the visibility of the display screen.

*Figure 1* shows two examples of the Stratus 5 mounted in a vehicle: **A** is the dash mount method, and **B** is the vent mount method using the vent mount clip.

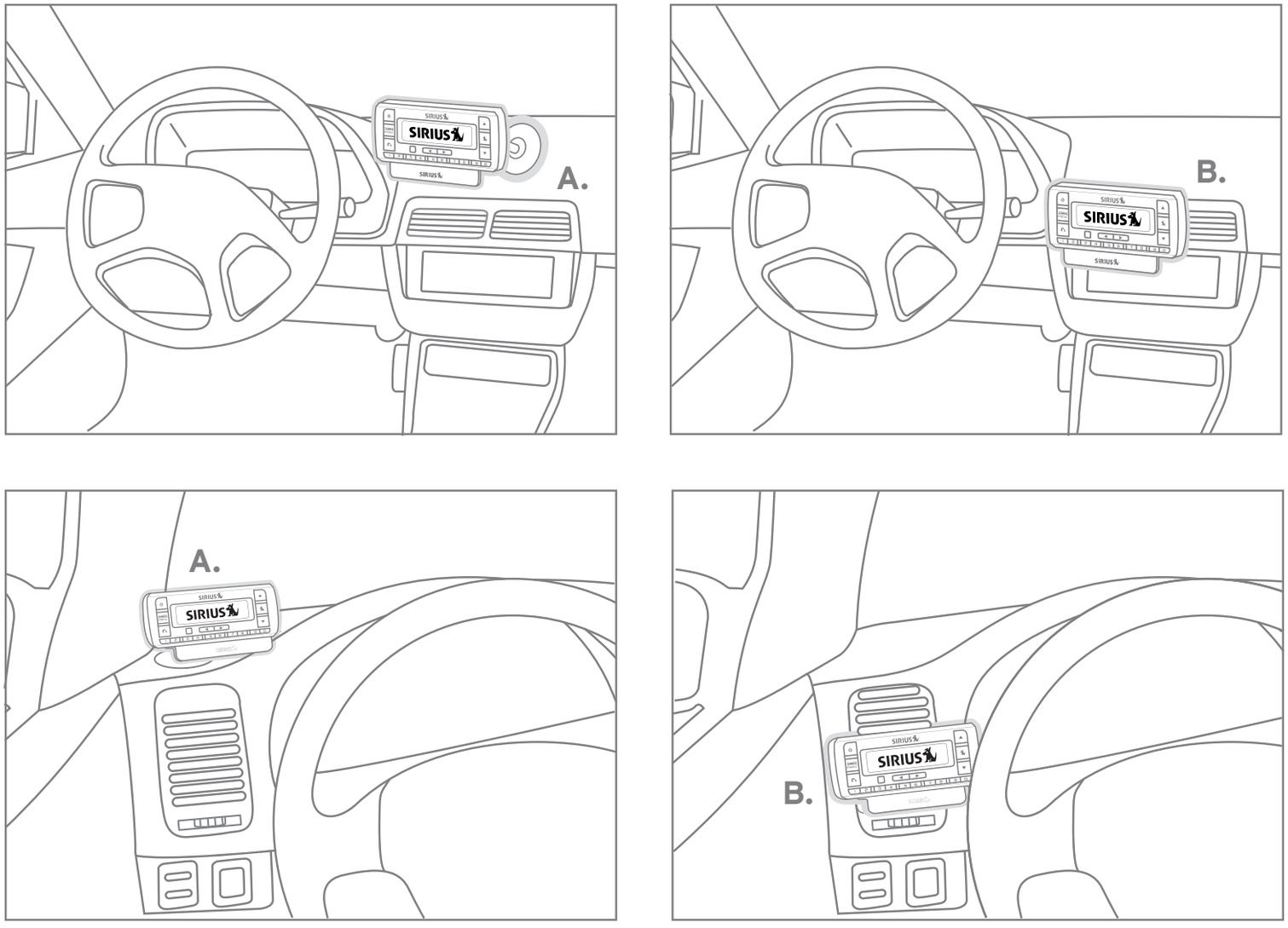



Figure 1

# Mounting the Vehicle Dock

## Dash Mount Method (A)

Attach the dash mount to the vehicle dock using the provided screws (see *Figure 2*).

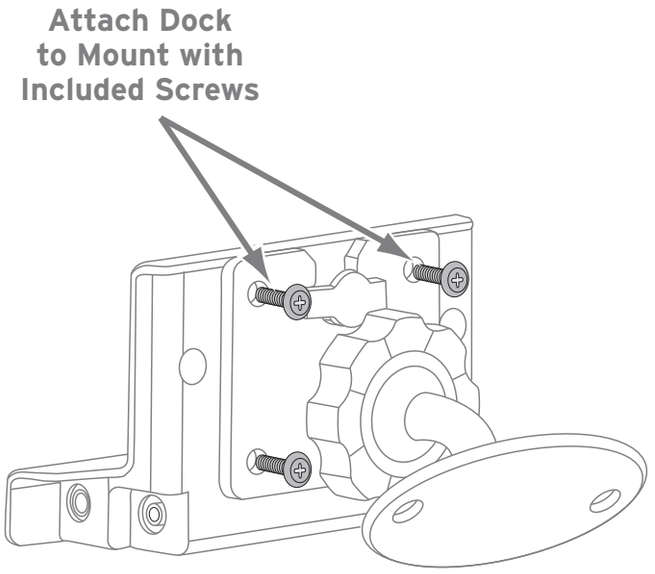



Figure 2

Select the mounting position carefully before adhering the mount to your vehicle. Once the mount has been adhered to a surface, it will not be possible to remove it and adhere it again.

Once you've selected a mounting location, clean the mounting surface area in the vehicle with the provided alcohol swab. Peel the protective material off the adhesive on the foot and press the foot firmly against the vehicle surface.

Allow the adhesive to adhere for a minimum of 2-4 hours before using the mount. The best adhesion occurs after 24 hours.

## Vent Mount Method (B)

To mount the vehicle dock using the vent mount, install the vent mount as follows:

1. If the vent louvers in your vehicle are recessed, you may need to use the supplied longer vent hooks with the vent mount. Refer to *Figure 3* and install the longer vent hooks into the vent mount. Be sure to observe the orientation of the vent hooks as shown.

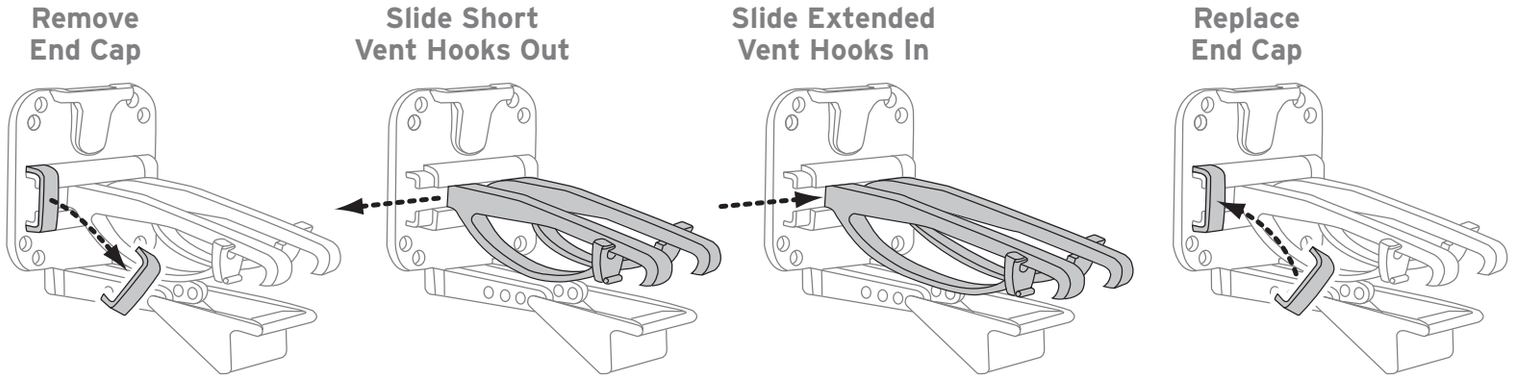



Figure 3

2. Attach the vent mount to the vehicle dock using the provided screws (see *Figure 4*).

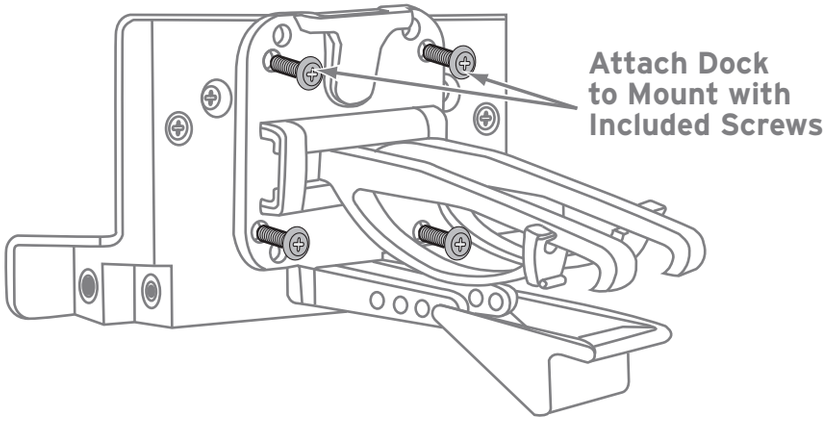



Figure 4

3. Refer to *Figure 5* and attach the vent mount to a heating/air conditioning vent in your vehicle. Position the two tension springs **A** against a vent louver **B**. Then push the vent mount into the vent, far enough so that the hooks **C** drop down and hook the rear of the vent louver (see *Figure 6*). Once you are sure that the hooks have grasped a vent louver, the tension springs A will keep the vent mount hooked to the louver.

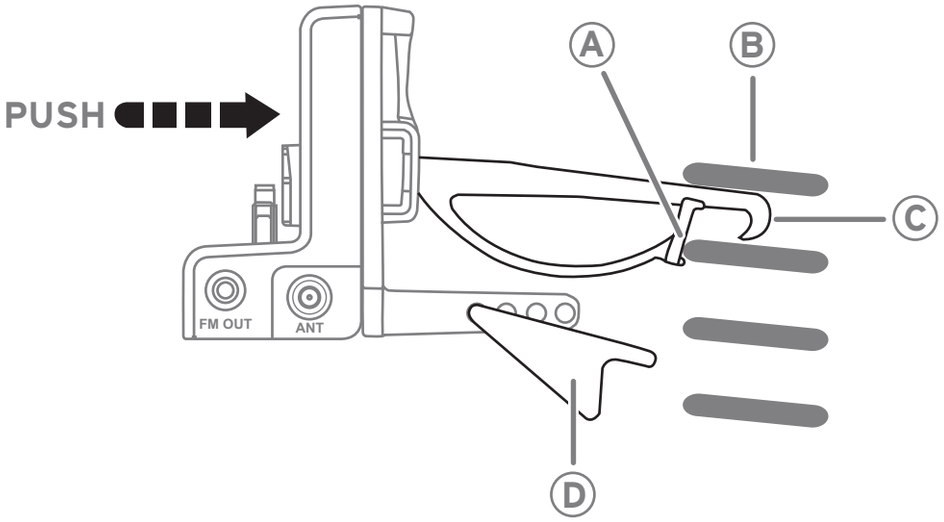



Figure 5

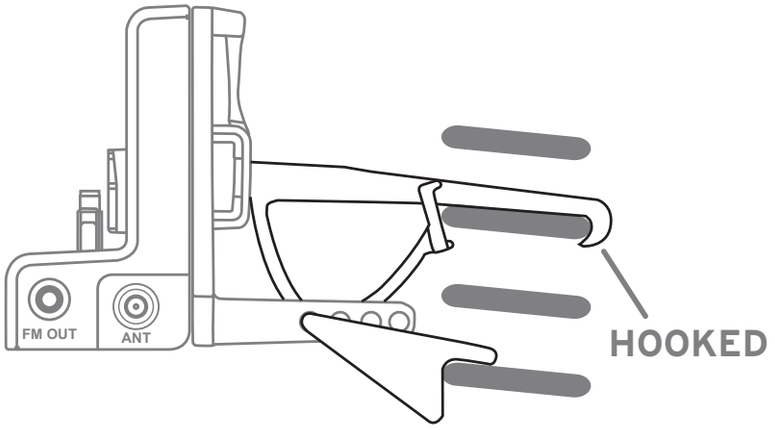



Figure 6

4. The angle of the docking station may be changed by changing the position of foot D on the vent mount to a different adjustment hole (see *Figure 7*).

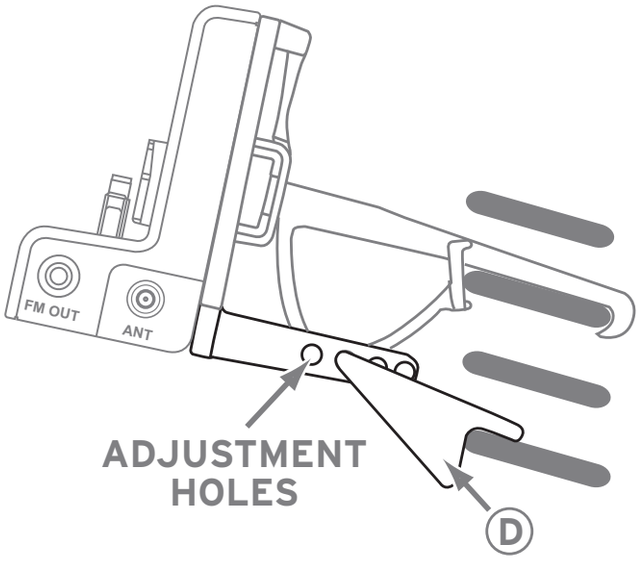



Figure 7

# Installing the Magnetic Antenna

## Caution

Because adhesive is used in the installation of the Rubber Antenna Cover/Tail, we recommend that you install the antenna at or above room temperature (68° F). The adhesive on the Rubber Cover/Tail may not adhere properly to the vehicle roof at temperatures lower than this. Warmer temperatures will also make it easier to route of the antenna cable through the rubber molding around the windows and in other areas in the vehicle. Maximum adhesion usually occurs within 72 hours at room temperature, so you should avoid car washes as well as other contact with the antenna and Rubber Cover/Tail during this 72 hour period.

## Warning

Be sure not to cut, damage, or puncture the external jacket of the antenna cable during the installation procedure. Damage to the antenna cable can degrade the SIRIUS signal or make it unavailable, and can also cause water to intrude via the cable into the antenna causing the antenna to fail.

Do not lengthen or shorten the antenna cable by cutting it. Doing so will cause the antenna to not function properly.

## Installation

Installing the magnetic antenna consists of two steps:

- Mounting the magnetic antenna and Rubber Antenna Cover/Tail on the vehicle
- Routing the antenna cable through the vehicle to the Vehicle Dock

## ANTENNA MOUNTING

The SIRIUS Magnetic Mount Vehicle Antenna has a strong magnetic mount designed to hold it in place during normal driving conditions (highway/city). This also makes the antenna easy to remove for transferring it to other vehicles.

*Figure 8* shows the optimal mounting location for the antenna on several types of vehicles. These mounting positions should be observed when installing the antenna:

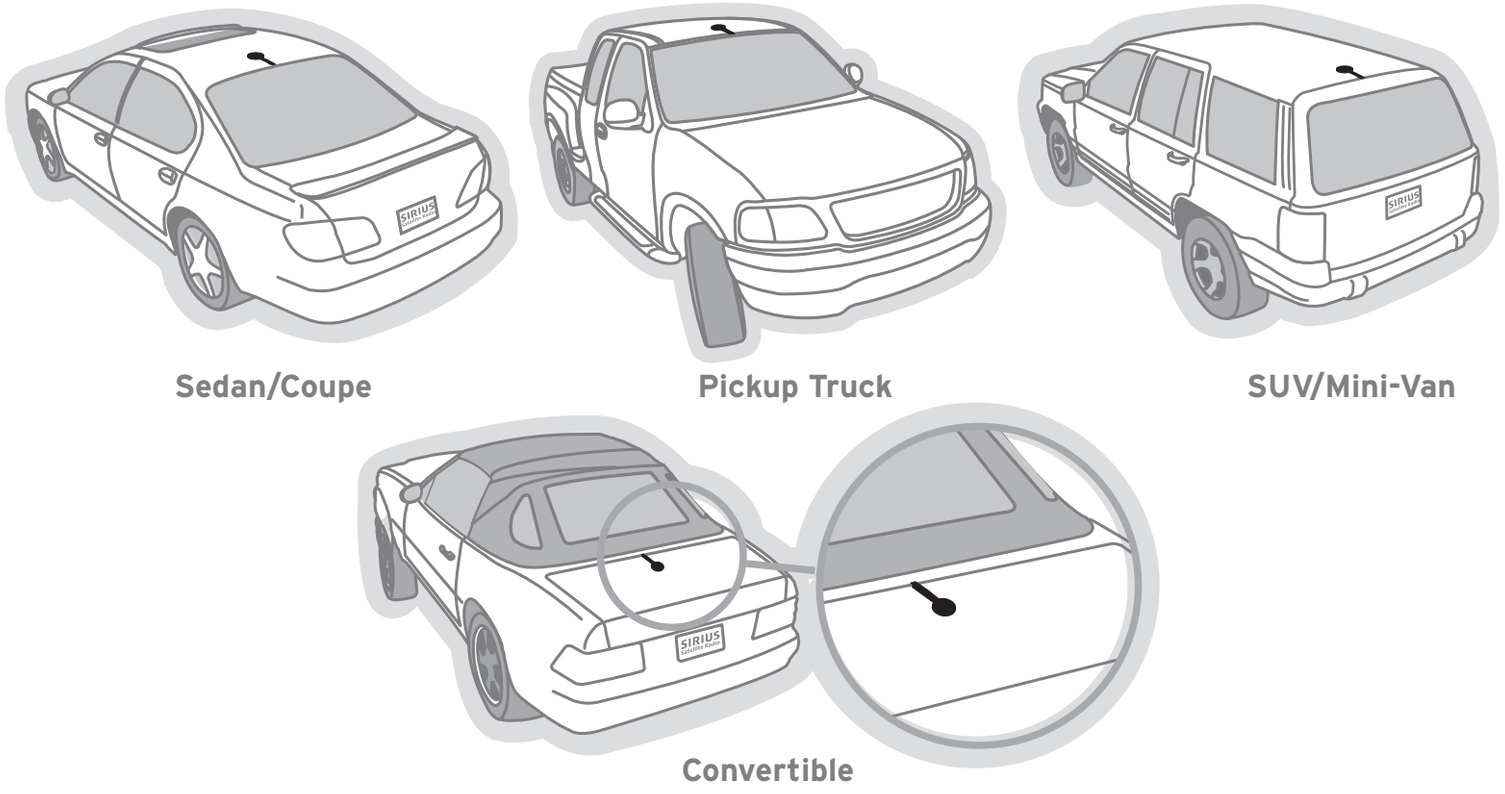



Figure 8

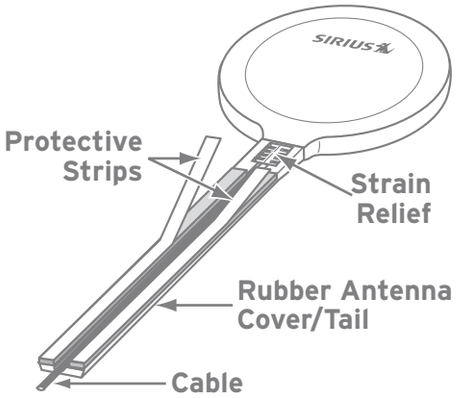
- **Sedan/Coupe/SUV/Mini-Van:** Install the antenna at the rear center of the roof, near the rear window.
- **Pickup Truck:** Install the antenna at the front center of the roof, near the windshield.
- **Convertible:** Install the antenna at the front center of the trunk lid, near the rear window.

The SIRIUS antenna needs to have an unobstructed area of 3 inches by 3 inches around it. It is important to mount the antenna where no obstructions will block the antenna from receiving the SIRIUS signal. Objects which can obstruct the antenna could be a roof rack, a sunroof, a roof-mounted cargo container, another antenna, etc. If your vehicle has a potential obstruction, be sure that the SIRIUS antenna is mounted at least 3 inches away from it (but no closer than 3 inches from the roof edge, or trunk lid in the case of a convertible).

NOTE: READ THE *DO* AND *DO NOT* INSTALLATION TIPS BEGINNING ON PAGE 32 FOR ADDITIONAL ANTENNA INSTALLATION INFORMATION.

Follow this procedure to mount the antenna:

1. Select an appropriate mounting position for your type of vehicle that has an unobstructed area of 3 inches by 3 inches around the antenna.
2. Attach the Rubber Cover/Tail to the antenna, as shown in *Figure 9*, and press the antenna cable into the rubber cover/tail. The Rubber Cover/Tail will help to position the antenna the correct distance from the edge of the roof or trunk lid.




**Magnetic Antenna (Upside-Down)**

Figure 9

3. Clean the surface area of the vehicle where you will be installing the antenna with the alcohol prep pad.

4. Peel the protective material from the adhesive strips (see *Figure 9*) and press the Rubber Cover/Tail firmly into place on the vehicle.
5. Double check that the location of the antenna and Rubber Cover/Tail are correct, and continue to press firmly down on the Rubber Cover/Tail for another 30 seconds. At room temperature (68° F), maximum adhesion usually occurs within 72 hours. During this period, avoid car washes and other contact with the antenna and the Rubber Cover/Tail.

## CABLE ROUTING

After you have mounted the antenna you can route the antenna cable to the SIRIUS Vehicle Dock. Separate antenna cable routing procedures are provided for each type of vehicle: Sedan/Coupe, Pickup Truck, SUV/Mini-Van and Convertible.

Note that additional breakout illustrations for each step of the antenna cable routing procedures can be found on the SIRIUS website at **http://www.sirius.com**. Click on the Install/Activate link and then follow the link for the Car Installation Tips.

## Sedan/Coupe Antenna Cable Routing Procedure

*Figure 10* shows how the antenna cable should be routed from the antenna to your SIRIUS radio in a sedan/coupe.

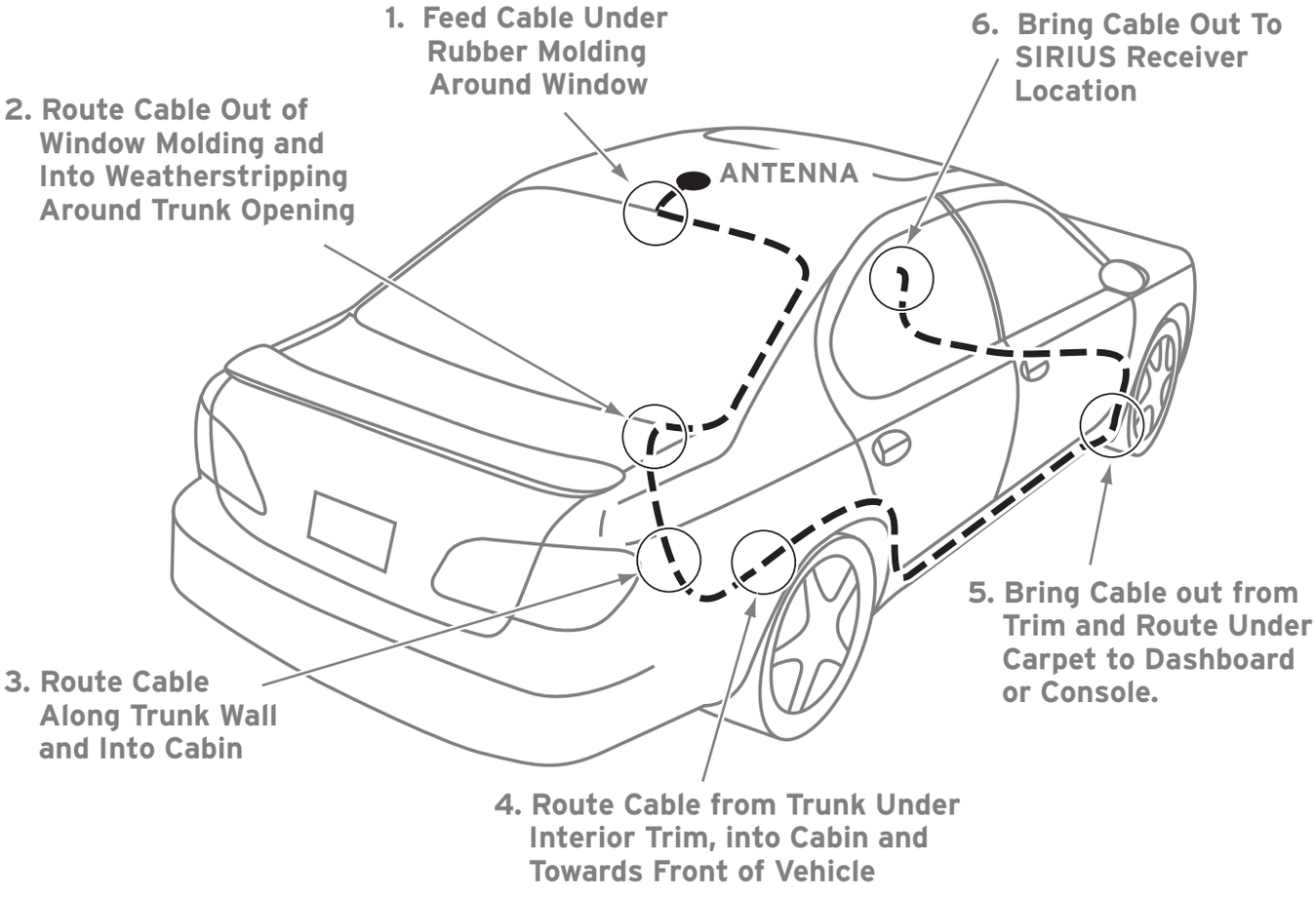



Figure 10

Follow these detailed cable installation instructions:

1. Feed the cable from the antenna underneath the rubber molding around the rear window. Use a plastic putty knife or similar object 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, SIRIUS recommends consulting with 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 of the weather stripping for a few inches, then remove the cable from the weather stripping inside of 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 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 the plastic putty knife 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.
5. Bring the cable out from the trim near the firewall 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.
6. Bring the end of the cable out at the SIRIUS Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector on the Vehicle Dock.

## Pickup Truck Antenna Cable Routing Procedure

*Figure 11* shows how the antenna cable should be routed from the antenna to your SIRIUS radio in a pickup truck.

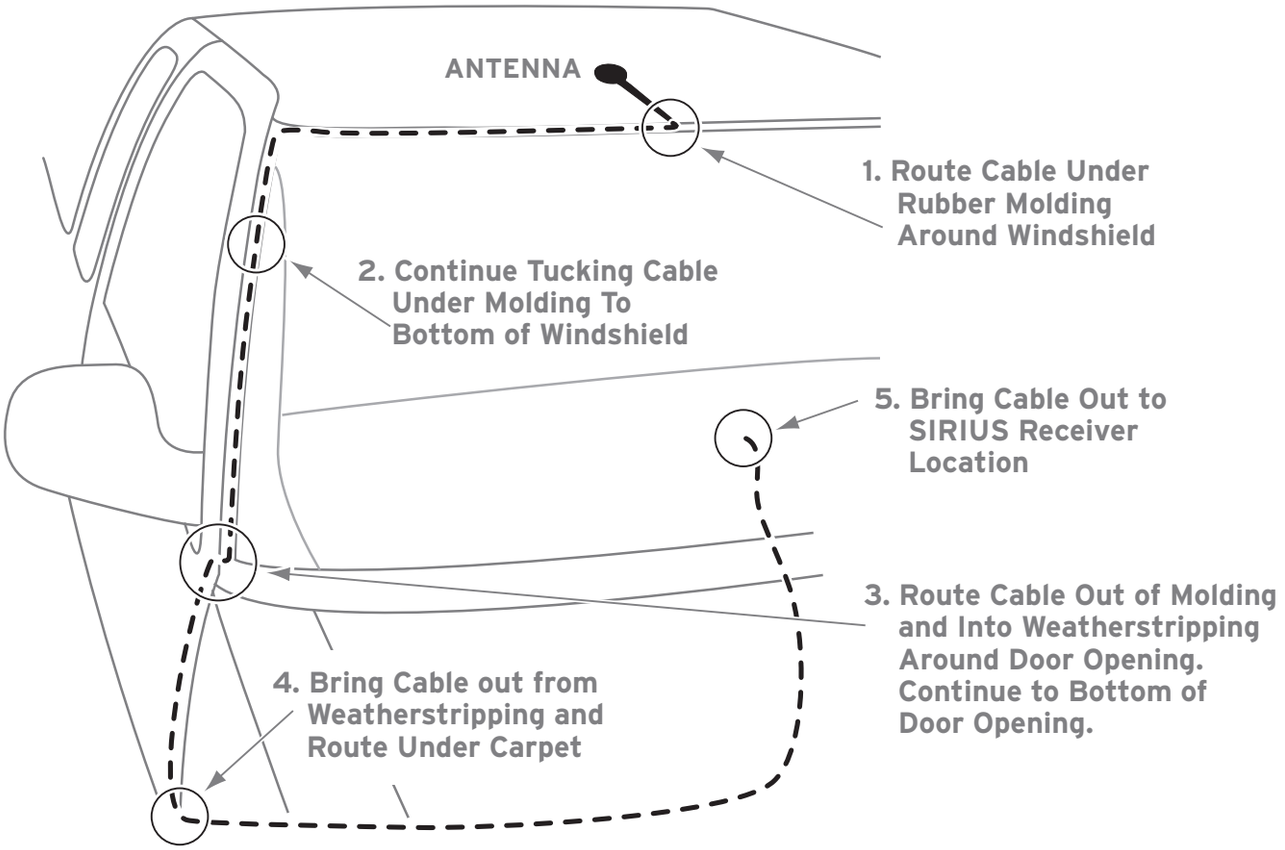



Figure 11

Follow these detailed cable installation instructions:

1. Use a plastic putty knife or similar 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 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 SIRIUS Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector on the Vehicle Dock.

## SUV/Mini-Van Antenna Cable Routing Procedure

*Figure 12* shows how the antenna cable should be routed from the antenna to your SIRIUS radio in an SUV or a Mini-Van.

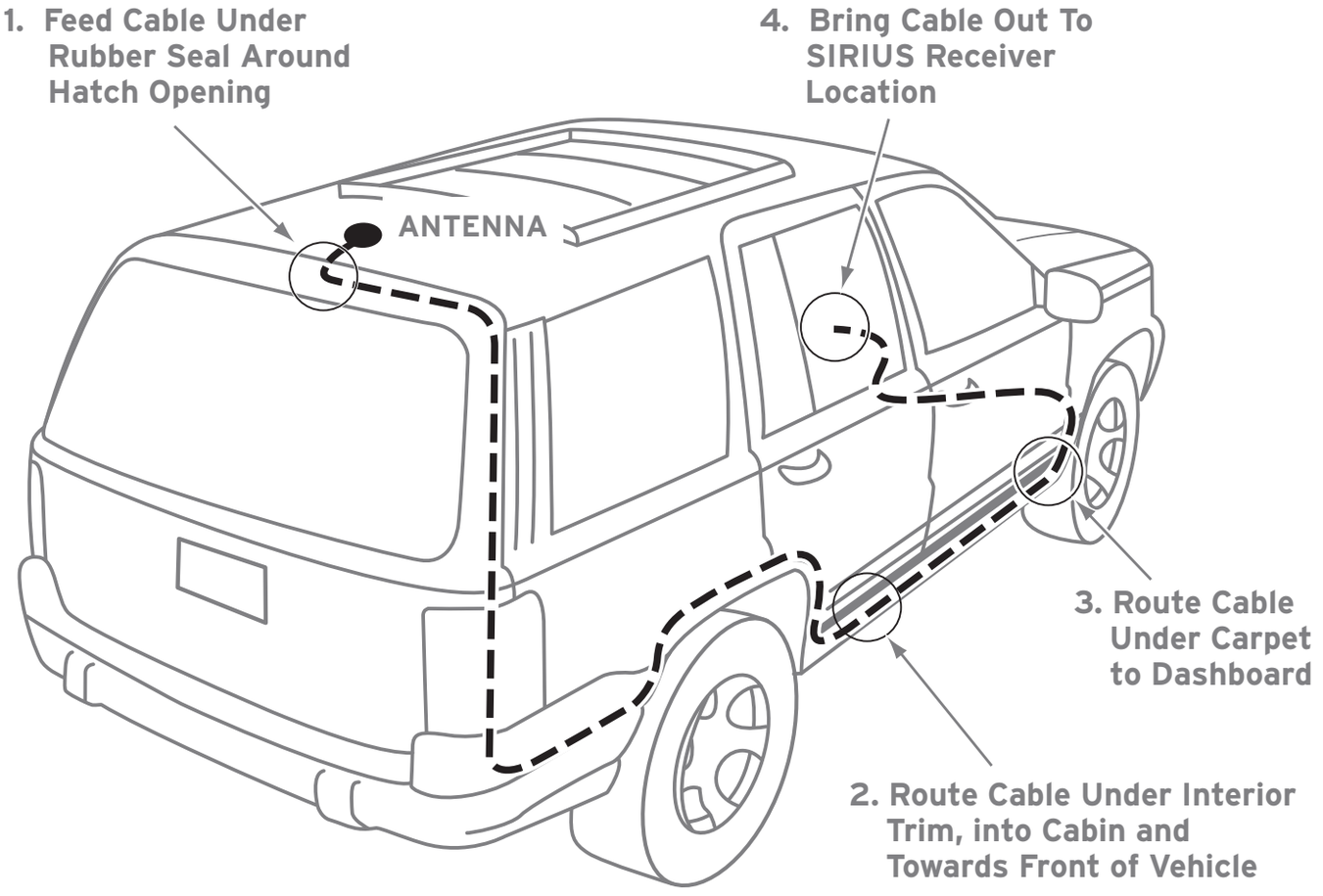



Figure 12

Follow these detailed cable installation instructions:

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 plastic putty knife 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.
3. Bring the cable out from the trim near the firewall 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.
4. Bring the end of the cable out at the SIRIUS Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector on the Vehicle Dock.

## Convertible Antenna Cable Routing Procedure

*Figure 13* shows how the antenna cable should be routed from the antenna to your SIRIUS radio in a convertible.

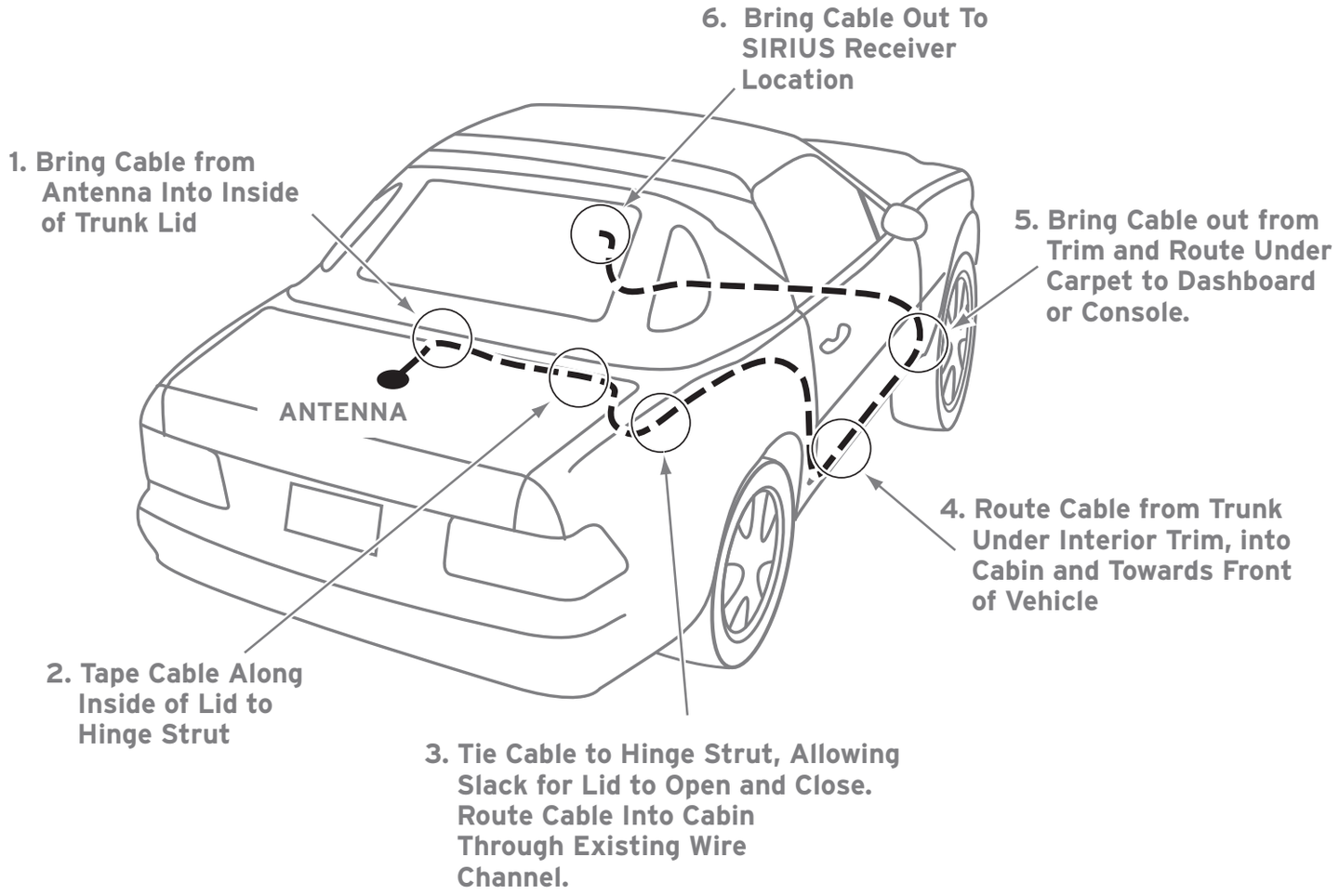


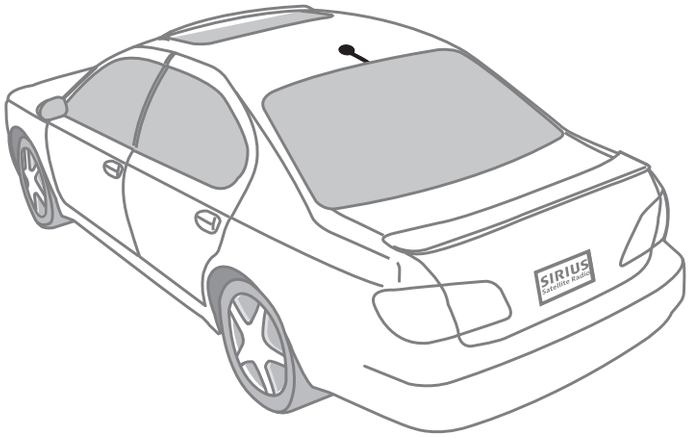
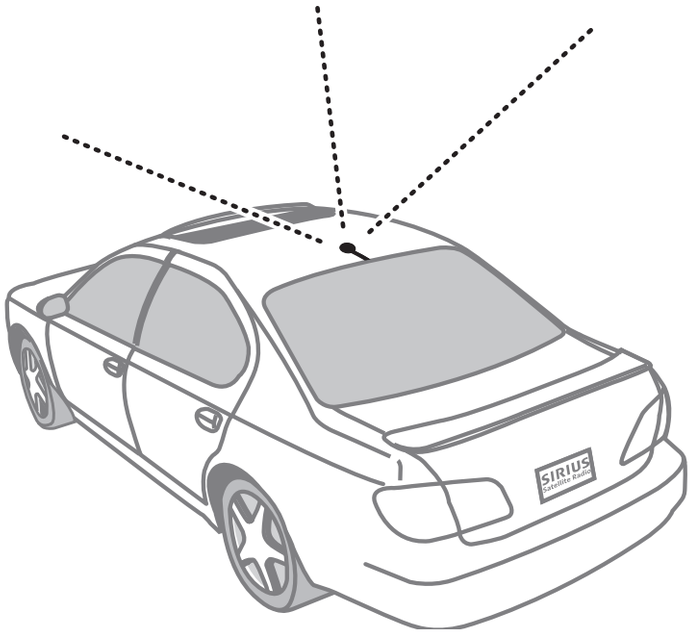

Figure 13

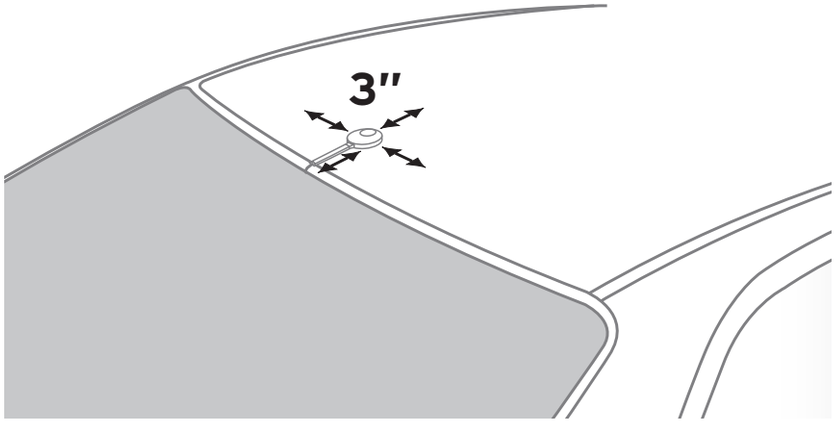
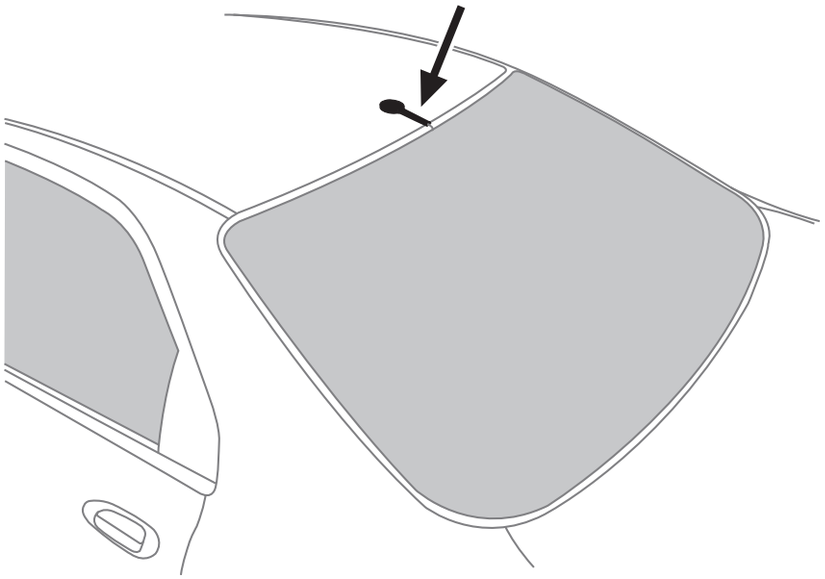
Follow these detailed cable installation instructions:

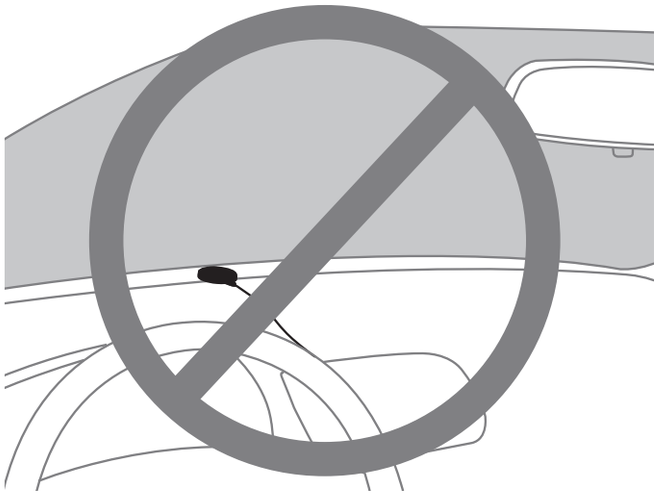
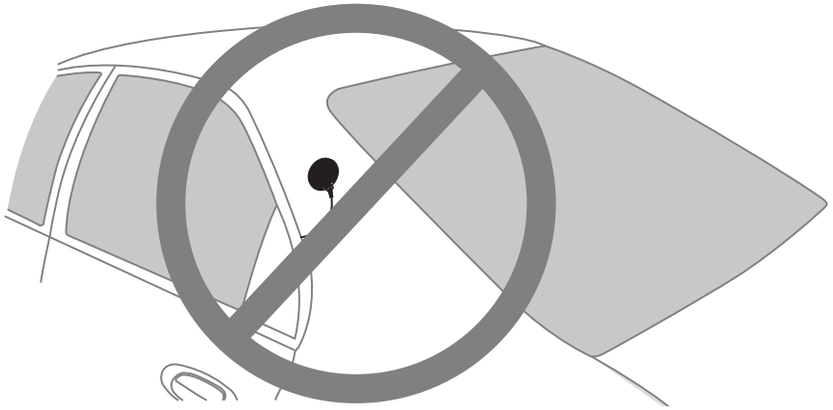
1. Bring the cable from the antenna into the trunk at the front edge of the trunk lid. Keep any bends in the cable loose.
2. Tape or tie the cable along the inside of the trunk lid to the trunk lid hinge strut. Allow enough slack in the cable so the trunk lid can easily open and close and keep the cable away from hinges, gears, etc., that could crimp or cut it.
3. Route the cable along the trunk wall and into the 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 plastic putty knife 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.
5. Bring the cable out from the trim near the firewall 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.
6. Bring the end of the cable out at the SIRIUS Vehicle Dock location. Leave yourself enough cable so you can easily connect it to the antenna connector on the Vehicle Dock.

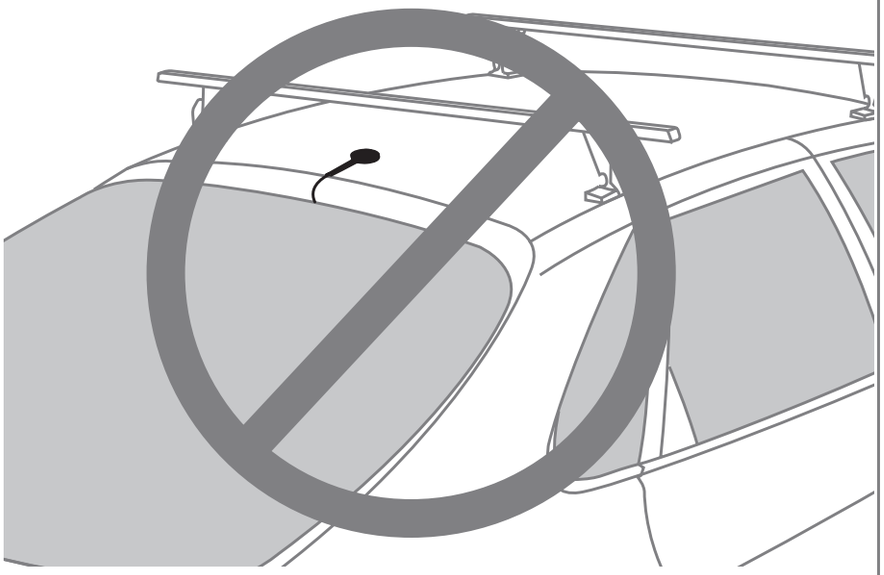
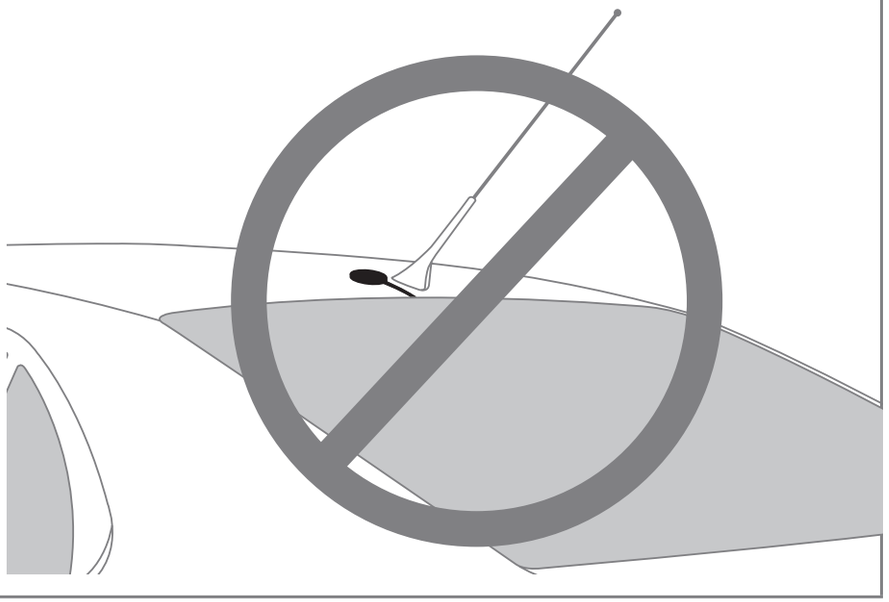
## TIPS

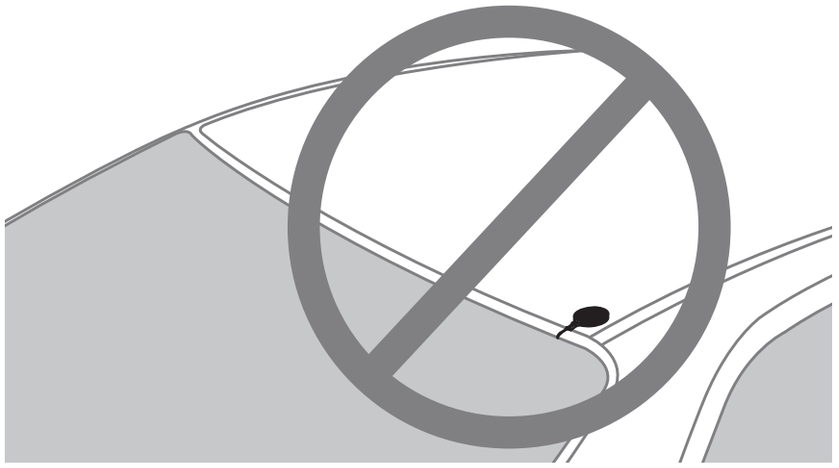
The following DO and **DO NOT** antenna mounting tips illustrate how to install the antenna for optimal performance, and also illustrate where the antenna should not be installed.

| | | |
|---|---|---|
| **DO** | Mount the antenna on the roof, at least 3 inches from the edge. |  |
| **DO** | Mount the antenna on the roof where it has a clear view of the sky in all directions. |  |

| | | |
|---|---|---|
| **DO** | Mount the antenna on the roof where it has at least 3 inches of clear space around it. |  |
| **DO** | Use the supplied Rubber Tail Cover to protect the antenna cable. |  |

| | | |
|---|---|---|
| **DO NOT** | Don't mount the antenna inside the vehicle, for example, on the dashboard. |  |
| **DO NOT** | Don't mount the antenna on any of the vehicle's front, back or side pillars. |  |

| | | |
|---|---|---|
| **DO NOT** | 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. |  |
| **DO NOT** | Don't mount the antenna close to another antenna. Mount it at least 3 inches away. |  |

| | | |
|---|---|---|
| **DO NOT** | Don't mount the antenna closer than 3 inches from the edge of the roof. Use the supplied rubber tail/cover as a guide for judging proper length and correct positioning. |  |

After you've routed the cable to the SIRIUS Vehicle Dock, connect the antenna cable to the ANT connection on the right side of the Vehicle Dock. (See *Figure 14.*)

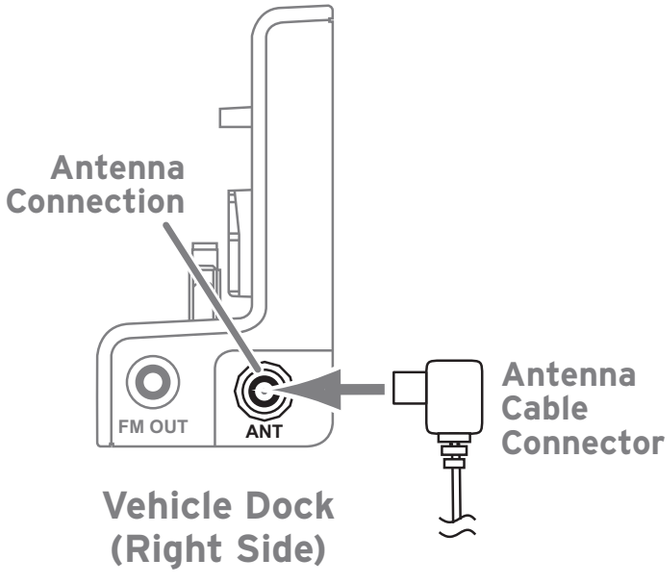



Figure 14

# Connecting the Cigarette Lighter Adapter

Connect the provided cigarette lighter adapter to the 5VDC connector on the back of the Vehicle Dock. (See *Figure 15*.)

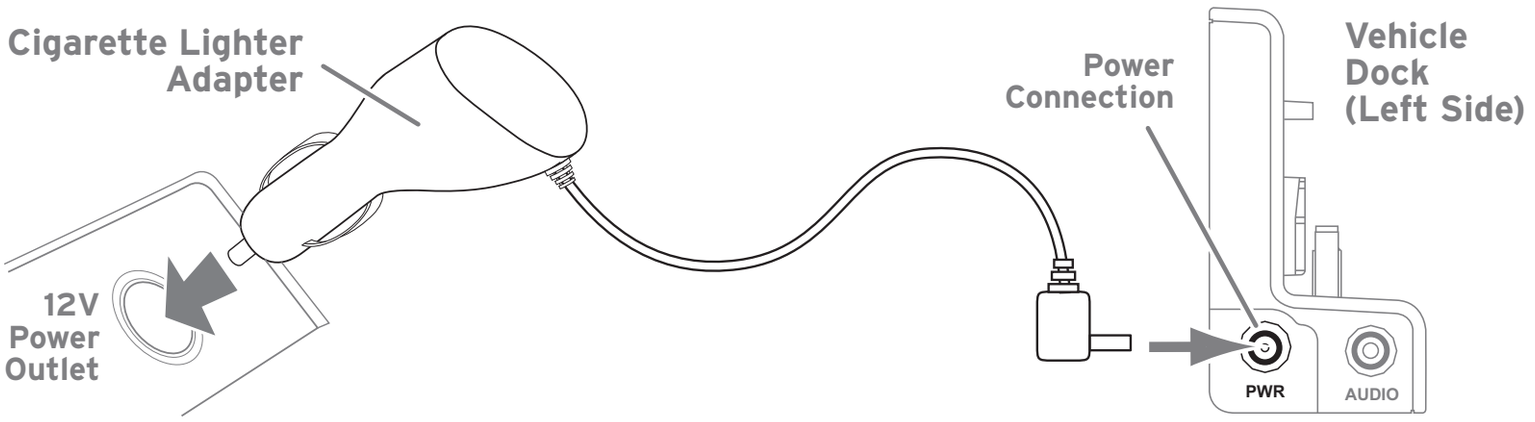



Figure 15

NOTE: DO NOT POWER THE VEHICLE DOCK DIRECTLY FROM YOUR VEHICLE'S 12VDC POWER SYSTEM WITHOUT USING THE CIGARETTE LIGHTER ADAPTER. THIS COULD DAMAGE THE VEHICLE DOCK, YOUR SIRIUS RECEIVER OR BOTH.

# Docking Your SIRIUS Radio

To place your Stratus 5 into the Vehicle Dock, align the radio against the rear of the Dock so that the rails on the Dock fit into the mounting slots in the back of the radio (see *Figure 16*). Slide the radio all the way down onto the Dock so that it fits firmly.

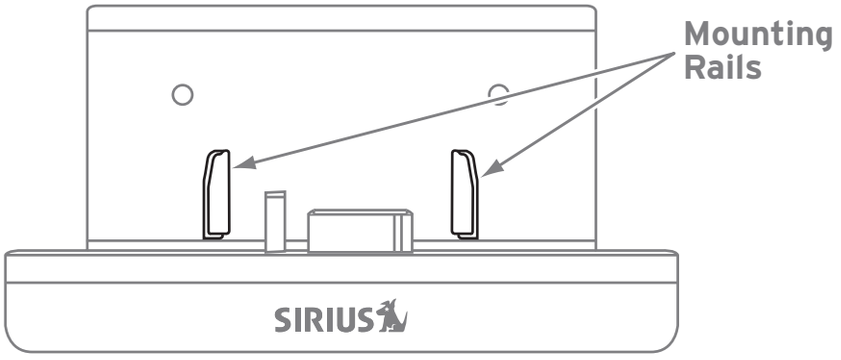



Figure 16

# Cable Separation and Routing

## FCC Information

The satellite antenna cable, FM Extender Antenna (FEA) cable and cigarette lighter adapter (CLA) power cable must be appropriately separated and routed for your radio to be compliant with federal regulations.

### Step 1

The connections on your vehicle dock are clearly marked. Install your vehicle dock and connect the antenna cable into the connection labeled "ANT", the CLA power cable into the power connection marked "PWR" (or 5VDC) and the FEA cable into the connection marked "FM OUT". (See *Figure 17*.)

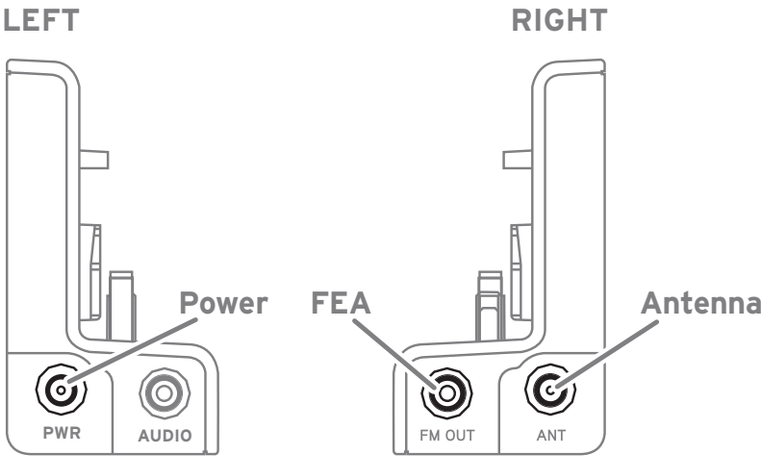



Figure 17

### Step 2

It is important that you keep the three cables as separate from each other as possible and that you keep the two antenna cables away from the vehicle dock and from the CLA power cable. The cables must not be bundled together as they exit the dock (see *Figure 18*, on page 39).

As a guide, you can follow the diagram in *Figure 18*, adapting the example to suit your own vehicle's configuration. For example, if you cigarette lighter socket is to the left of the vehicle dock, route the two antenna cables towards the passenger side of the vehicle. If your cigarette lighter socket is on the right-hand side of the vehicle dock, route the two antenna cables towards the driver's door. The CLA cable and antenna cables MUST be routed in opposite directions. Safely conceal all antenna cables within door, carpet or cash panels to prevent snags and interference.

## Step 3

Coil any excess cable between the cigarette lighter socket and vehicle dock, keeping it away from vehicle pedals or controls to prevent any slack which might interfere with the safe operation of your vehicle. Secure the excess cable with wire ties. If possible, tuck the coiled part in a hidden location, such as in between the carpet and plastic panel of the front console (see *Figure 19*).

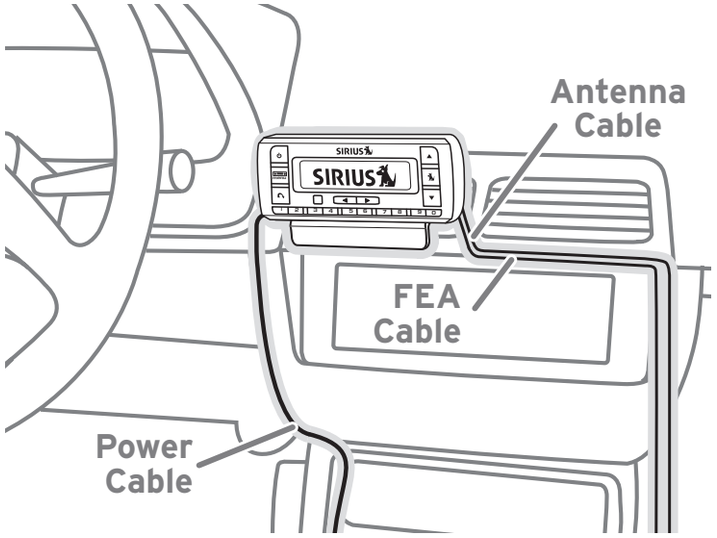



Figure 18

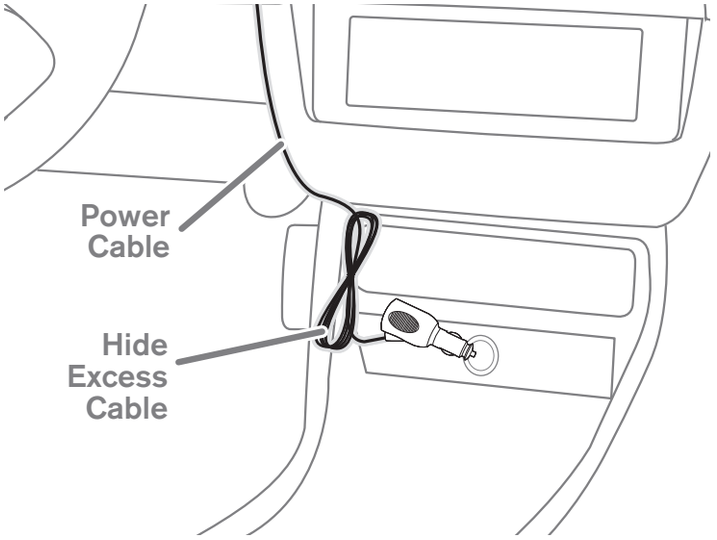



Figure 19

## Step 4

Follow the instructions in this manual to install, route and hide the antenna cable and the FEA cable. Be sure to coil and secure any excess cable in a hidden location, such as under the carpet on the passenger side, keeping it away from vehicle pedals and controls. The bundled cables should be as far away from the CLA power cable as possible (see *Figure 20*).

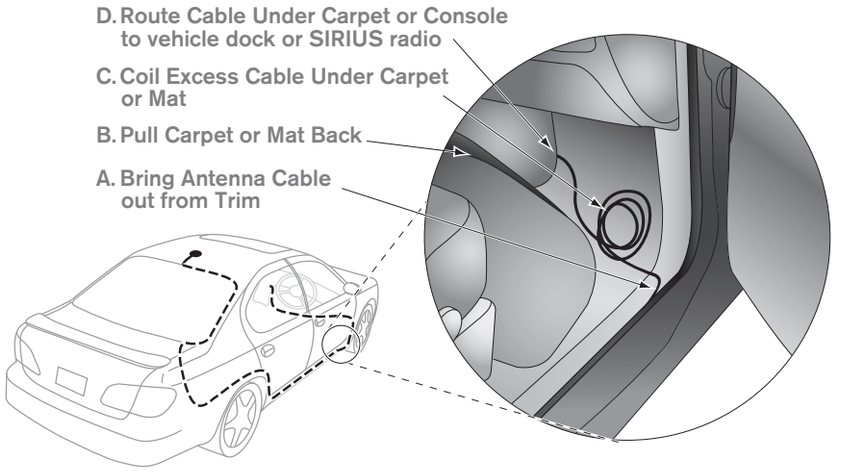



Figure 20

# Connecting Your Stratus 5 to Your Vehicle's Audio System

There are two ways to connect your SIRIUS Stratus 5 to your vehicle's audio system: Direct Connection or Wireless Connection. Which one will perform best in your vehicle depends on your vehicle's audio system.

For the latest information go to **http://www.sirius.com/vehicleinstallation**.

## Direct Wired Audio Connection

If your vehicle's audio system has an "AUX IN" or "LINE IN" jack it is the best quality audio connection you can use for your SIRIUS radio. (And if the AUX IN or LINE IN connector is located somewhere on the front of your vehicle radio or elsewhere in the cabin, this is also the easiest way to connect your SIRIUS receiver.)

1. Purchase an audio cable that matches the connection type of your vehicle's audio system and your SIRIUS Vehicle Dock at your local electronics retailer.

• The Vehicle Dock requires a male 1/8" stereo connector.

2. Plug the cable's male 1/8" stereo connector into the AUDIO jack on the left side of the Vehicle Dock. Plug the other end into the AUX IN/LINE IN connector on your vehicle's audio system. (See *Figure 21.*)

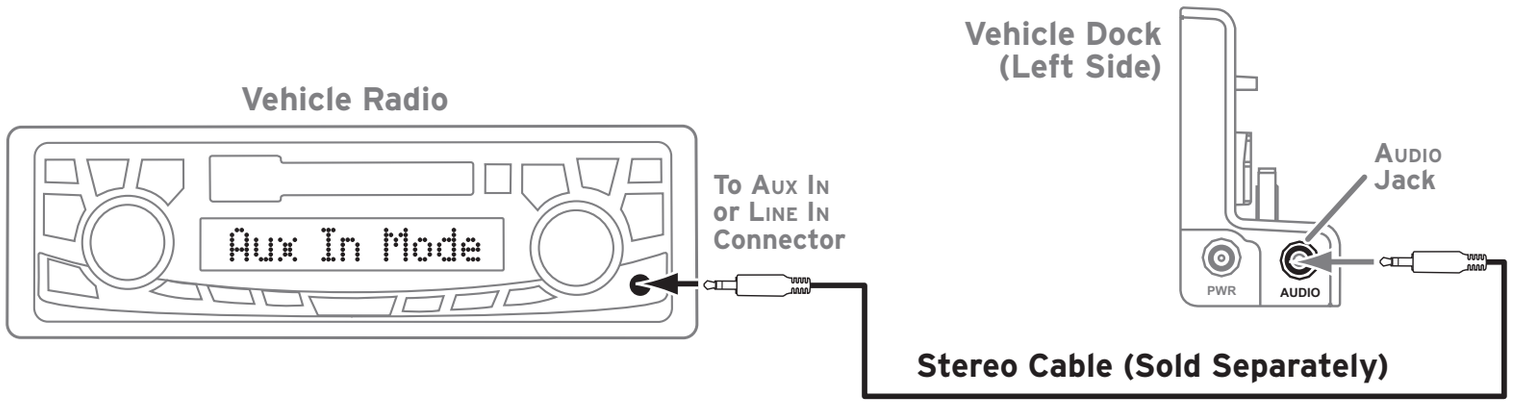



Figure 21

## Direct FM Audio Connection

If your vehicle's audio system does not have an AUX IN/LINE IN connection, a SIRIUS FM Direct Adapter (sold separately) will provide the next best quality connection between your Stratus 5 and your vehicle radio. You will listen to your Stratus 5 through your car radio's FM tuner, but the SIRIUS FM Direct Adapter connects your vehicle's FM radio directly to the Vehicle Dock's FM OUT jack, eliminating the outside static and interference you sometimes experience when using a wireless FM connection. (See *Figure 22*.)

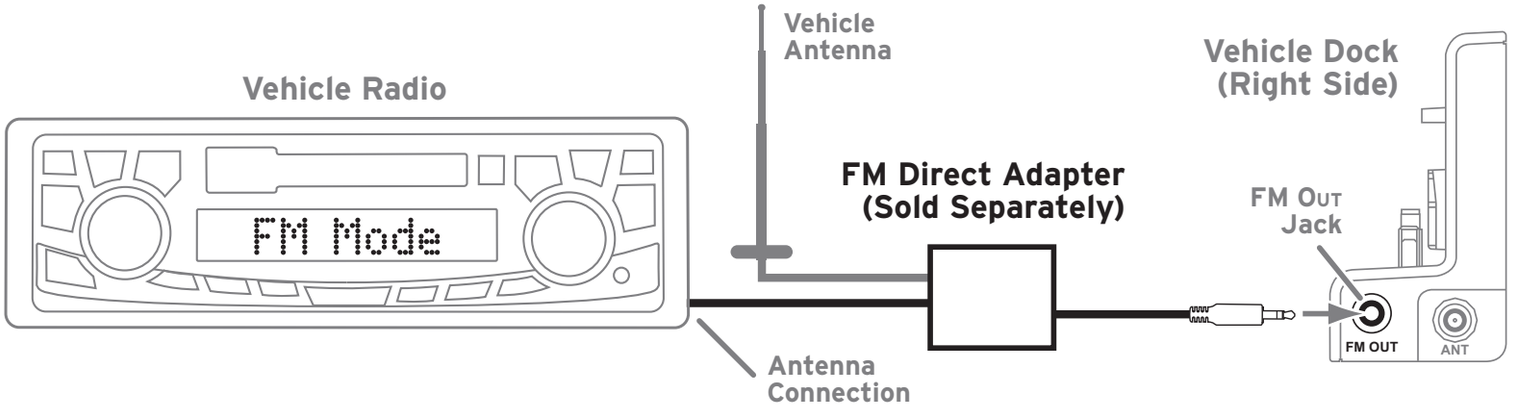



Figure 22

NOTE: PROFESSIONAL INSTALLATION MAY BE REQUIRED. SEE YOUR LOCAL SIRIUS RETAILER. THE SIRIUS FM DIRECT ADAPTER IS AVAILABLE AT YOUR LOCAL SIRIUS RETAILER OR AT **HTTP://SHOP.SIRIUS.COM**. FOLLOW TO THE INSTRUCTIONS INCLUDED WITH THE FM DIRECT ADAPTER.

## Cassette Adapter

If your vehicle's audio system has a cassette player you can purchase a cassette adapter from your local electronics retailer or from SIRIUS at **http://shop.sirius.com**. Plug the adapter's connector into the AUDIO jack on the left side of the Vehicle Dock, and insert the adapter into your vehicle's cassette player. (See *Figure 23*.)

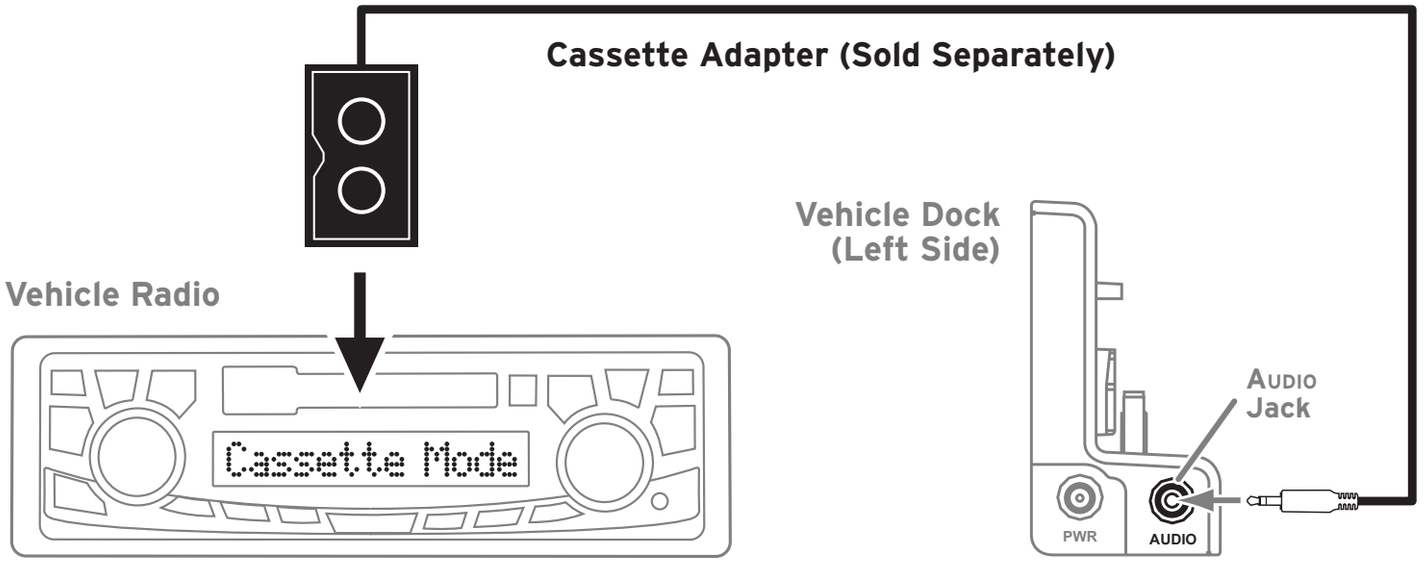



Figure 23

NOTE: REFER TO THE CASSETTE ADAPTER'S INSTRUCTIONS FOR CORRECT USE.

## Wireless Audio Connection

If you cannot connect your SIRIUS Stratus 5 directly to your vehicle's audio system, your SIRIUS Stratus 5 contains an FM transmitter that will 'broadcast' its audio to your vehicle's FM radio.

To use this you need to tune the Stratus 5's FM transmitter to an FM frequency that's not being used in your area (See *Figure 24*). If you use an FM channel that is being used by a local broadcaster, it will interfere with the performance of your SIRIUS radio.

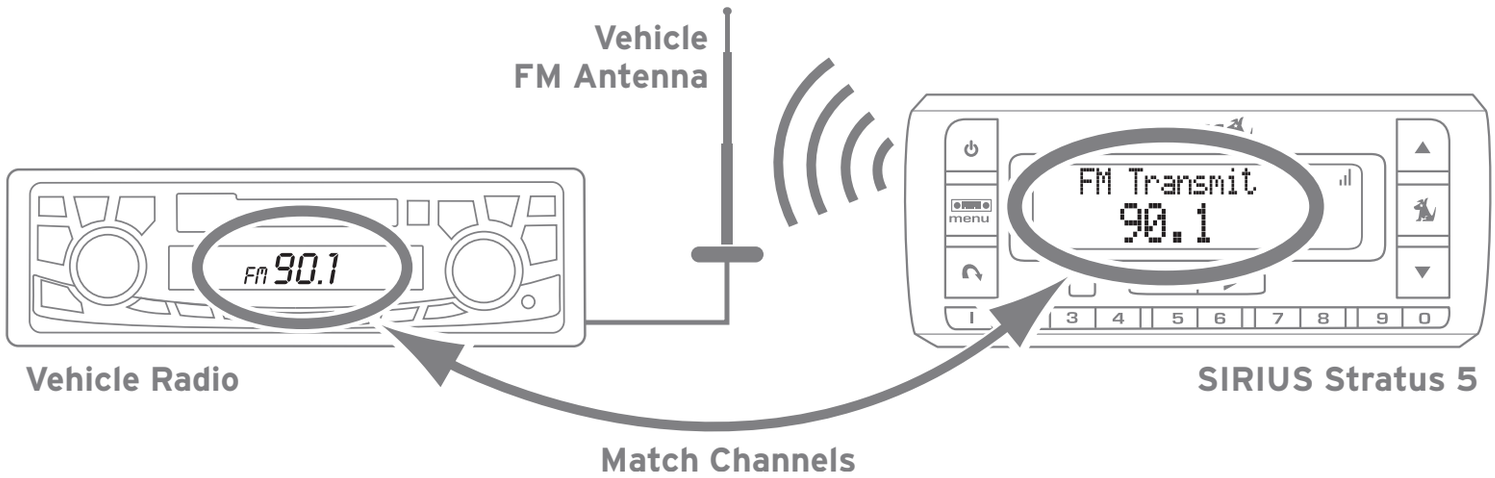



Figure 24

1. Tune through your vehicle radio's FM channels to find an FM channel (between 88.1MHz and 107.9MHz) that is not broadcasting in your area.
   - If you're not sure which FM channels are not broadcasting in your home or travel cities, you can also go to **http://www.sirius.com/fmchannel** and search for a suggested FM channel based on your zip code.
2. Once you have located an FM channel that is not broadcasting in your area, save it as a preset on your vehicle radio. This will become your SIRIUS preset.
3. Dock your Stratus 5 and turn its power ON. Wait for the Channel Update to finish before pressing any buttons.

4. Press and hold the FM Presets/MENU button (see *Figure 25*, left). The MENU OPTIONS screen will appear. Press the Channel UP/DOWN buttons to highlight FM TRANSMITTER and press the Select button to select it.

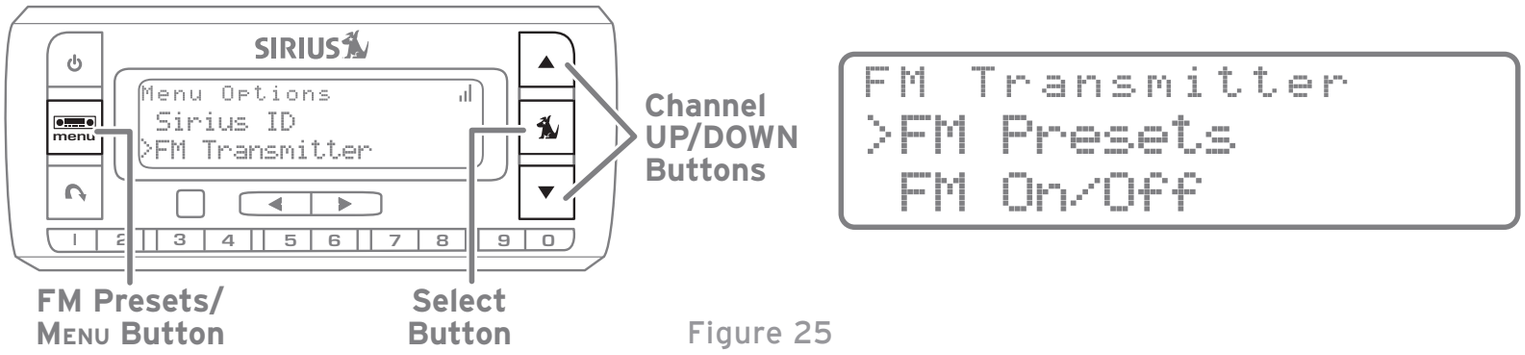



Figure 25

5. The FM TRANSMITTER screen will appear (see *Figure 25*, right). Press the Channel UP/DOWN buttons to highlight FM PRESETS and press the Select button to select it.
6. The FM PRESETS screen will appear (see *Figure 26*, left). FM1 will be highlighted. (FM1 is factory-set to 88.1MHz. This may not be the best frequency for your area.)

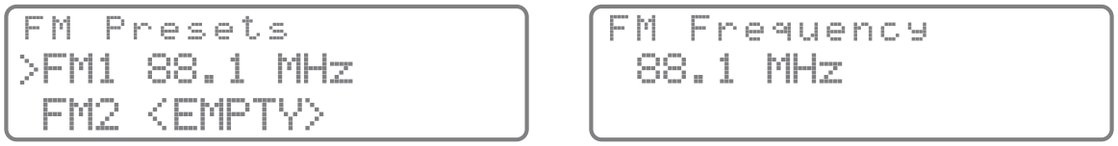



Figure 26

7. Press the Select button to select FM1. The FM FREQUENCY screen will appear (see *Figure 26*, right).
8. Use the Channel UP/DOWN buttons to highlight the FM frequency that matches the channel that you preset on your vehicle radio in *Step 2* on page 43, then press the Select button to select it. (See *Figure 27*.)

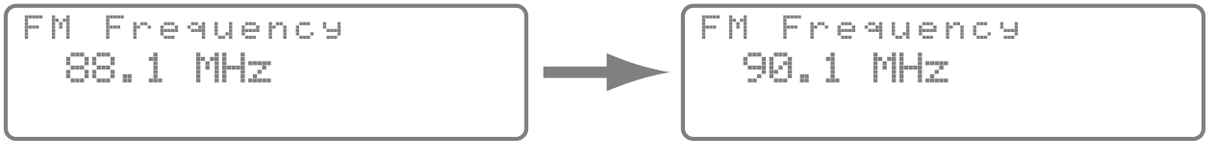



Figure 27

To listen to SIRIUS, turn your SIRIUS Stratus 5 ON, then turn your vehicle's FM radio ON and press the SIRIUS preset you set in *Step 2*, on page 43. You should hear your SIRIUS Stratus 5 through your vehicle's FM radio.

**Tip** TIP: If you regularly travel between cities with different active FM channels, you may need to find channels that are not broadcasting in each city. Your SIRIUS Stratus 5 can store 5 different preset FM transmitter channels so you can easily switch to the best FM channel for each city.

## Wireless Audio Connection Using the FM Extender Antenna

Your SIRIUS Stratus 5 includes an FM Extender Antenna (FEA) that can maximize the audio quality of your SIRIUS radio when using a Wireless Connection. The FM Extender Antenna brings the FM signal transmitted from your SIRIUS radio into close proximity with your vehicle's FM antenna to provide a strong FM signal for good reception (see *Figure 28*).

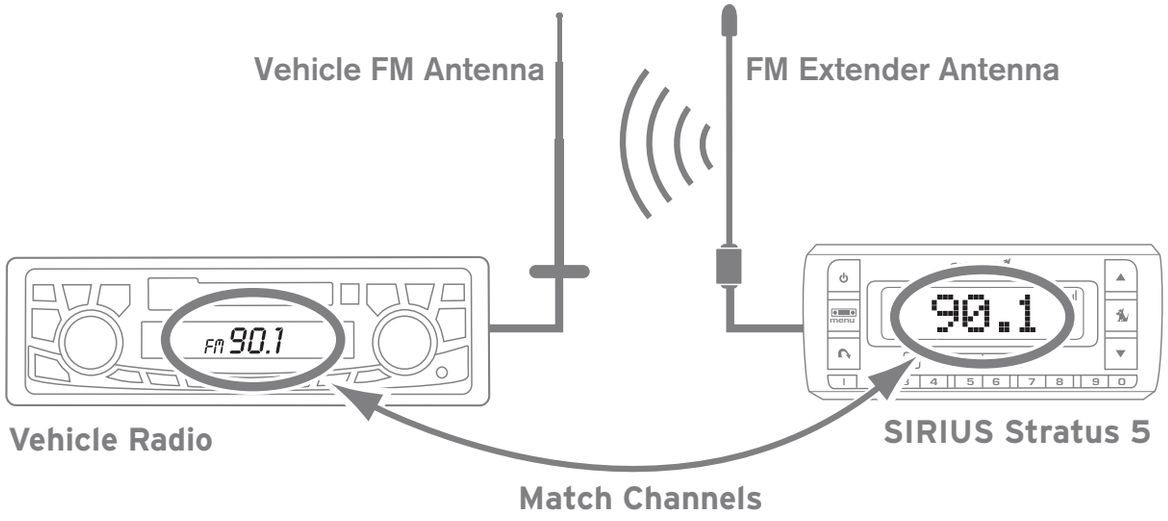



Figure 28

Because of the different kinds and locations of radio antennas found in different vehicles, SIRIUS suggests that the FM Extender Antenna be professionally installed in your vehicle. Professional installation provides an experienced technician to install the Extender Antenna, knowledge of your vehicle for locating its radio antenna, and routing the cable and connecting it to your SIRIUS radio. Ask your SIRIUS retailer if they provide professional installation services, or can recommend a professional installation service.

**IMPORTANT NOTE**

The FM Extender Antenna is placed **inside** your vehicle in close proximity to the vehicle's FM antenna. In order for it to provide a strong FM signal for good reception, it **MUST** be mounted in the correct location and orientation, as described in the following section. The correct mounting location and orientation is determined by the type and location of the vehicle's FM antenna.

# Warning and Safety Information

## Safety Precautions

Be sure to observe the following warnings. Failure to follow these safety instructions and warnings may result in a serious accident and/or personal injury.

- Installation must be performed according to this installation guide. SIRIUS is not responsible for issues arising from installations not performed according to the procedures in this guide.
- Do not install the FM Extender Antenna where it will hinder or block your view. In some states it may be illegal to mount it on the windshield of your vehicle. Check applicable law for any restrictions or limitations before installing the extender cable on your windshield.
- Do not install the FM Extender Antenna where it may hinder the function of safety devices such as an airbag. Doing so may prevent the airbag from functioning properly in the event of an accident.

- The installation and use suggestions contained in this manual are subject to any restrictions or limitations that may be imposed by applicable law. The purchaser should check applicable law for any restrictions or limitations before installing the extender cable.

## Warning

### Notice To Drivers In California and Minnesota

State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Other dashboard or friction mounting options should be used. SIRIUS does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71)

### A NOTE ABOUT THE INSTALLATION PROCEDURE

Before you permanently mount the FM Extender Antenna (FEA), you will first mount it using the included suction cup mounts to test the installation. Once you find an acceptable location, you will remove the suction cups and permanently adhere the FEA using its adhesive mounts.

## Step 1: Determine the type and location of your vehicle's FM antenna

The key to properly installing the FEA in your vehicle is being able to determine the type and location of your vehicle's FM antenna. The type and location of the FM antenna in your vehicle should be one of the following (see *Figure 29*, opposite):

**A.** Whip/aerial mounted on the front fender or hood: A fixed or retractable aerial antenna located on the front fender or hood of the vehicle.

**B.** Whip/aerial mounted in the A-pillar of car frame: A fixed or retractable aerial antenna located in the A-pillar of the vehicle's frame.

**C.** In-glass, in the rear windshield: Several lengths of wire in the rear windshield glass, usually near the top of the window. There is a difference between the FM antenna and the rear window defroster wires found in many vehicles. The FM antenna wires have uneven spacing, breaks in the wires, and some of the wires do not run from edge-to-edge in the glass, while the rear window defroster wires have uniform spacing and all wires run from edge-to-edge in the glass.

**D.** Whip/aerial mounted on rear part of roof: A whip or aerial antenna mounted on the rear part of the roof (often just above the rear windshield glass). The whip or aerial should be 7 inches or longer.

**E.** Whip/aerial mounted on the rear fender or trunk: A fixed or retractable whip or aerial antenna located on the rear fender or trunk of the vehicle.

**F.** Whip/aerial mounted on front part of roof: A whip or aerial antenna mounted on the front part of the roof (often just above the front windshield glass). The whip or aerial should be 7 inches or longer.

**G.** In-glass, in the front windshield: One or more strands of wire in the front windshield, usually near the top of the windshield.

**H.** In-glass, in a rear side window: Several strands of wires in a rear side window, often found in SUVs, mini-vans and station wagons.

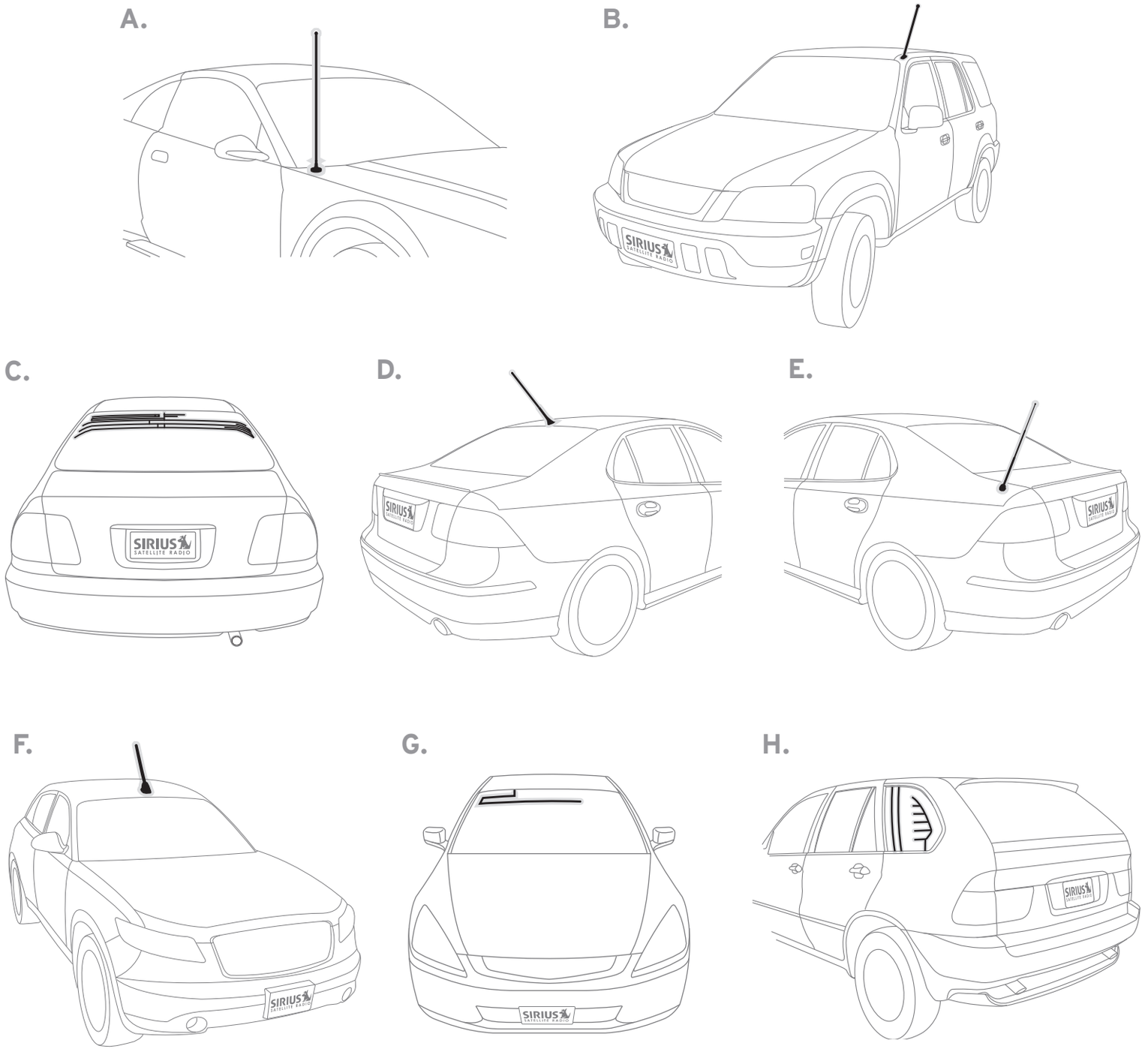



Figure 29

## Step 2: Prepare the FEA for temporary installation

Attach the suction cups to the antenna portion of the FEA in the positions shown in *Figure 30*. The antenna portion of the FEA is the relatively thinner section of the cable in between the bead and the arrow that transmits the FM signal to your vehicle's FM antenna.

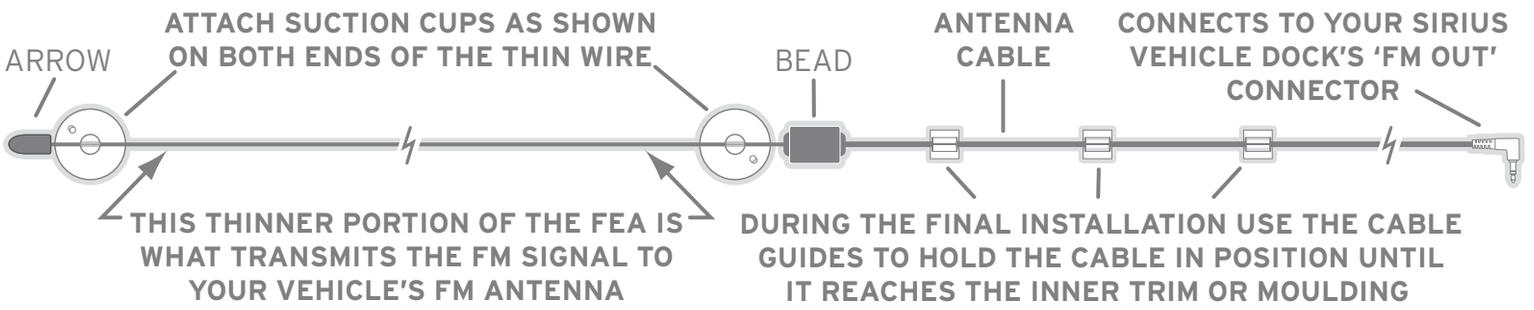



Figure 30

## Step 3: Use the suction cups to temporarily install the FEA according to your vehicle's antenna type

On the next several pages you will find the FEA mounting location for your type of FM antenna (**A**, **B**, **C**, etc.). Before attaching the FEA, clean the area where the suction cups will be mounted with the supplied alcohol swab. The FEA wire between the two suction cups should be pulled taut and as straight as possible, and should not obstruct the driver's view.

**For vehicles with A and B type FM antennas:**

- Whip/aerial mounted on the front fender or hood
- Whip/aerial mounted in the A-pillar of car frame

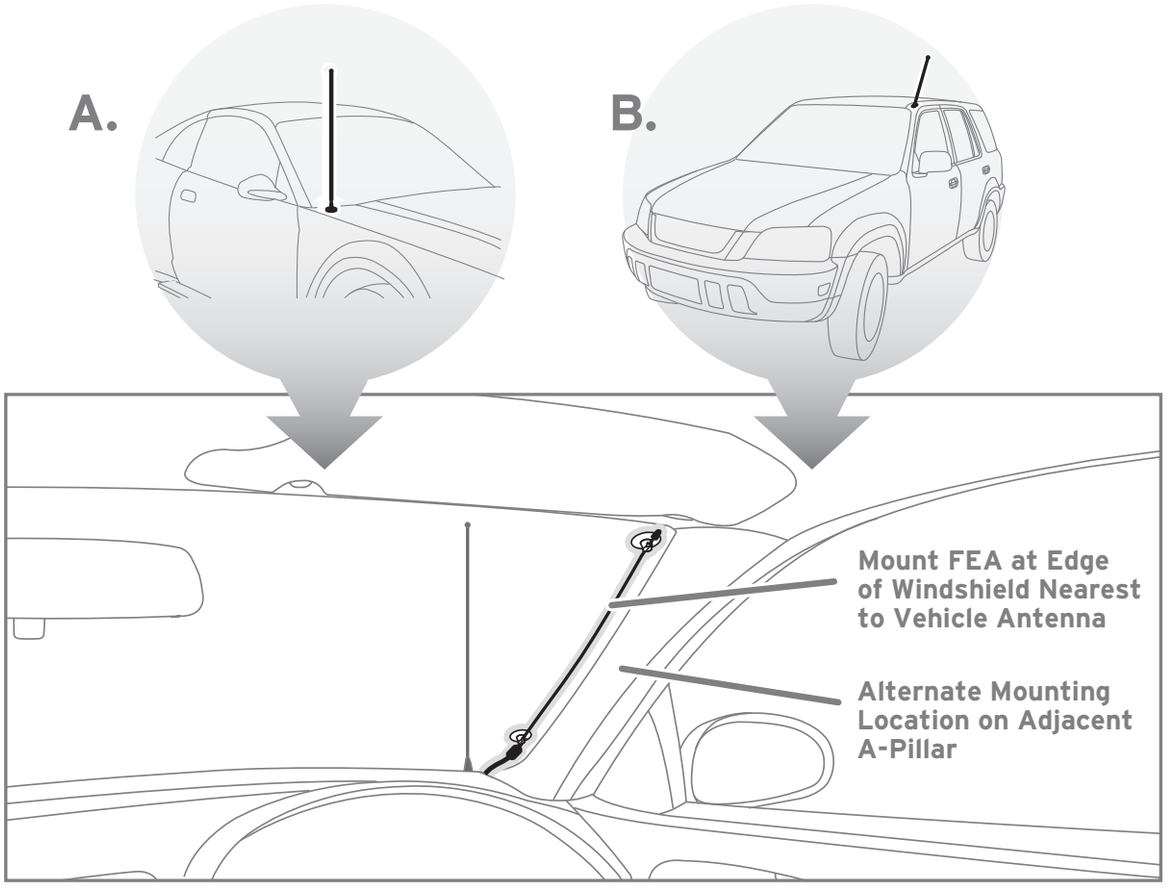



Figure 31

Mount the FEA vertically on the front windshield at the edge of the glass, on the same side as the vehicle's antenna (i.e. nearest to the antenna). See *Figure 31*. Clean the suction cup mounting areas with the alcohol swab. The FEA wire between the two suction cups should be pulled taut, and as straight as possible, and should not obstruct the driver's view.

**Caution:** In some states it may not be legal to put the FEA on the windshield glass. In this case, the FEA should be mounted on the A-Pillar adjacent to the vehicle's FM antenna.

**For vehicles with C and D type FM antennas:**

- In-glass, in the rear windshield
- Whip/aerial mounted on rear part of roof

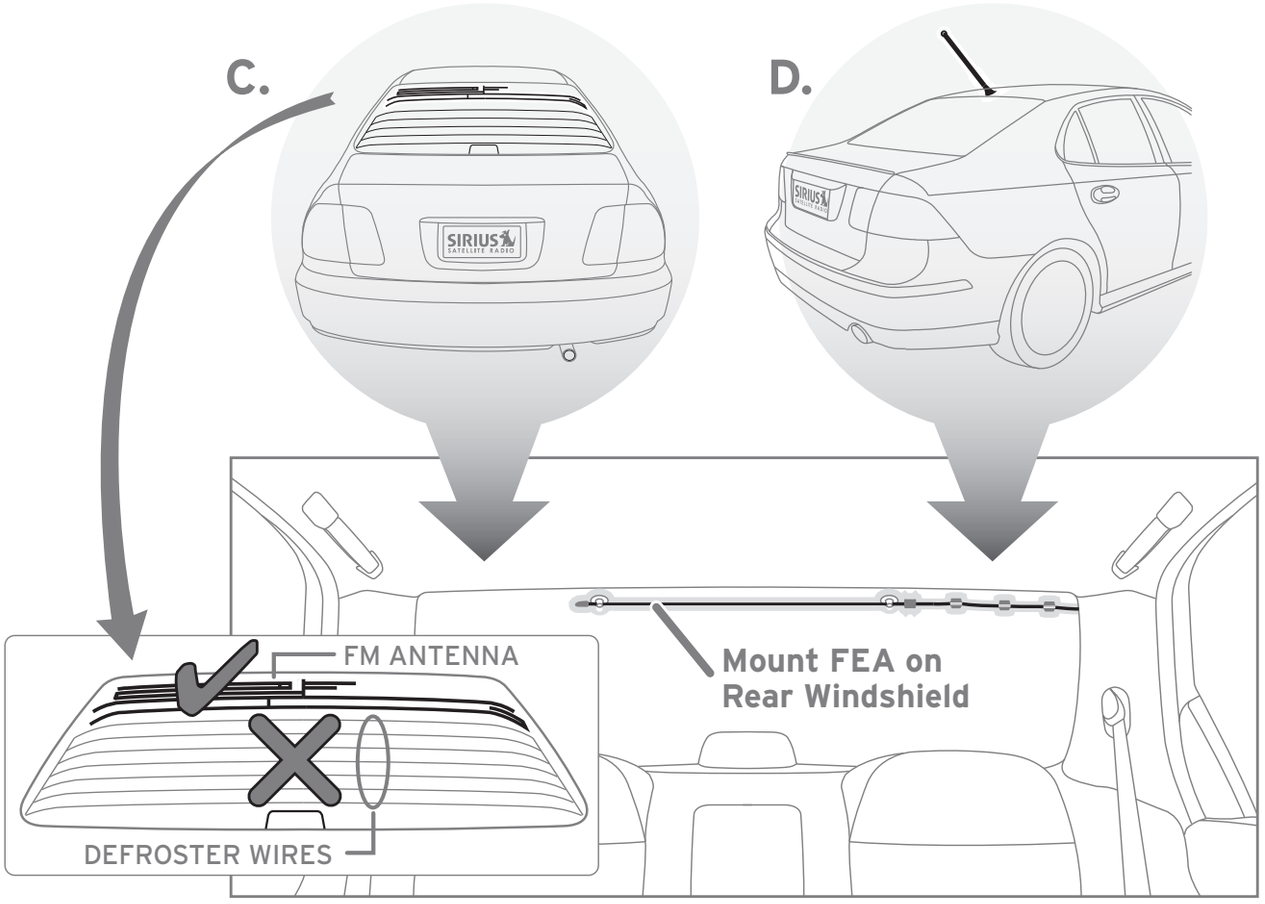



Figure 32

Mount the FEA horizontally along the top edge of the rear windshield (see *Figure 32*). For vehicles with a rooftop antenna, center the FEA below the antenna whip. For vehicles with an in-glass antenna, the FEA should be directly over one of the FM antenna's wires. **Note:** Do not install the FEA over the defroster wires (see inset on *Figure 32*). Clean the suction cup mounting areas with the alcohol swab. The FEA wire between the two suction cups should be pulled taut, and as straight as possible, and should not obstruct the driver's view.

**For vehicles with an E type FM antenna:**

- Whip/aerial mounted on the rear fender or trunk

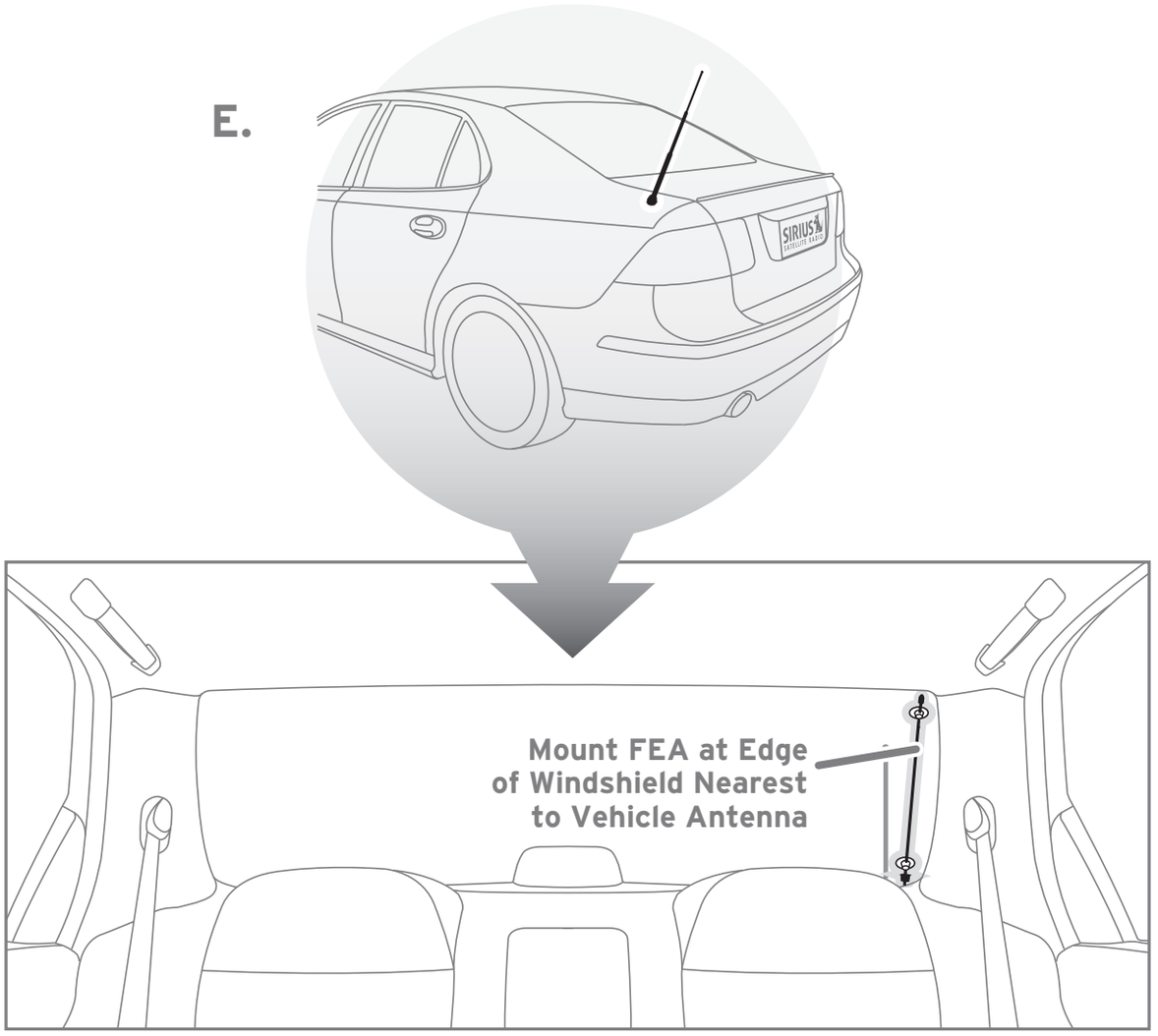



Figure 33

Mount the FEA vertically on the rear windshield at the edge of the glass, on the same side as the vehicle's antenna (i.e. nearest to the antenna). See *Figure 33*. Clean the suction cup mounting areas with the alcohol swab. The FEA wire between the two suction cups should be pulled taut, and as straight as possible, and should not obstruct the driver's view.

**For vehicles with F or G type FM antennas:**

- Whip/aerial mounted on the front part of roof
- In-glass, in the front windshield

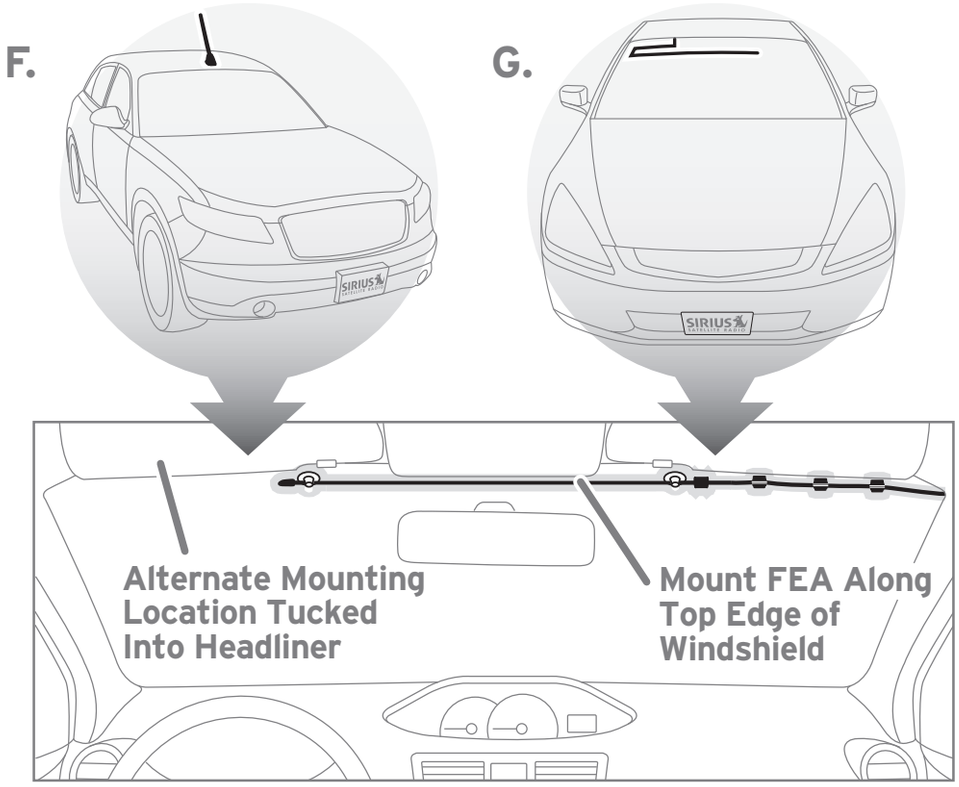



Figure 34

Mount the FEA horizontally along the top edge of the front windshield or install it into the headliner of the vehicle just above the front windshield (see *Figure 34*). For vehicles with a rooftop antenna, center the FEA below the antenna whip. For vehicles with an in-glass antenna, the FEA should be directly over the antenna wire itself. Clean the suction cup mounting areas with the alcohol swab. The FEA wire between the two suction cups should be pulled taut, and as straight as possible, and should not obstruct the driver's view.

**Caution:** In some states it may not be legal to put the FEA on the windshield, so the FEA should be installed into the headliner. Remove the suction cups and tuck the wire into the headliner, stretched taut and straight.

**For vehicles with an H type FM antenna:**

- In-glass, in a rear side window

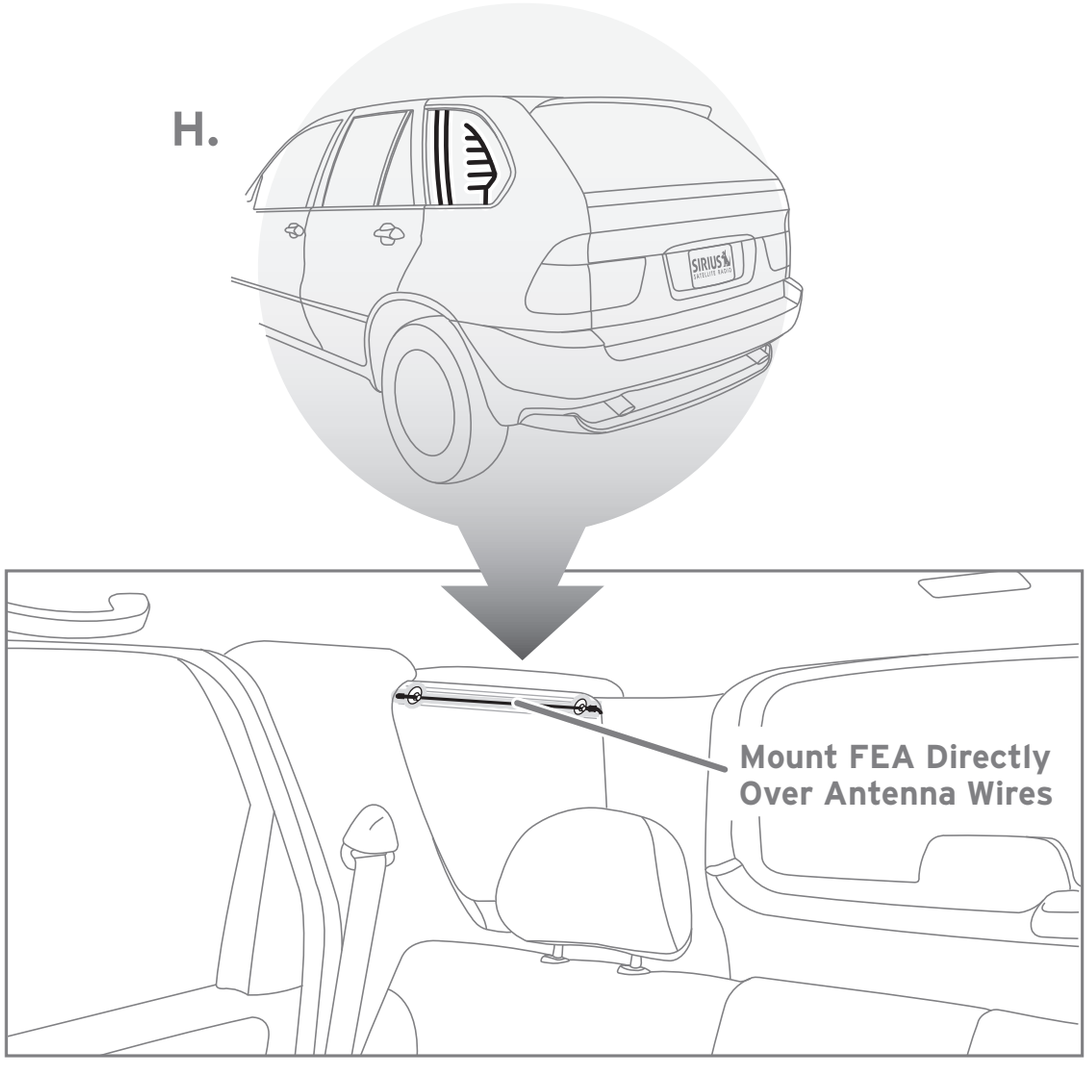



Figure 35

Mount the FEA directly over the in-glass antenna wires. If the antenna wires are vertical, mount the FEA *vertically* on the glass; if the in-glass antenna wires are horizontal, mount the FEA *horizontally* on the glass. (See *Figure 35*.) Clean the suction cup mounting areas with the alcohol swab. The FEA wire between the two suction cups should be pulled taut, and as straight as possible, and should not obstruct the driver's view.

## Step 4: Temporarily plug the FEA into the Vehicle Dock's FM OUT connector

See Figure 36.

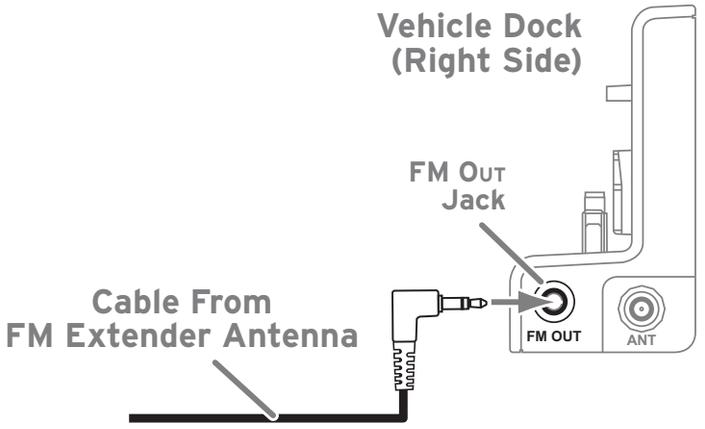



Figure 36

## Step 5: Tune your vehicle's FM radio to an FM channel that's not being used in your area

Use your vehicle radio's Tune function (not the Scan function) to find an FM channel (between 88.1MHz and 107.9MHz) that is not broadcasting in your area. If you're not sure which FM channels are not broadcasting in your home or travel cities, you can also go to **http://sirius.com/fmchannel** and search for a suggested FM channel based on your zip code.

- Once you have located an FM channel that is not broadcasting in your area, save it as a preset on your vehicle radio. This will become your SIRIUS preset.

## Step 6: Set Your SIRIUS Stratus 5's FM transmitter to the same FM channel

a. Dock your Stratus 5 and turn its power ON. Wait for the Channel Update to finish before pressing any buttons.

b. Press and hold the FM Presets/MENU button (see *Figure 37*, left). The MENU OPTIONS screen will appear. Press the Channel UP/DOWN buttons to highlight FM TRANSMITTER and press the Select button to select it.

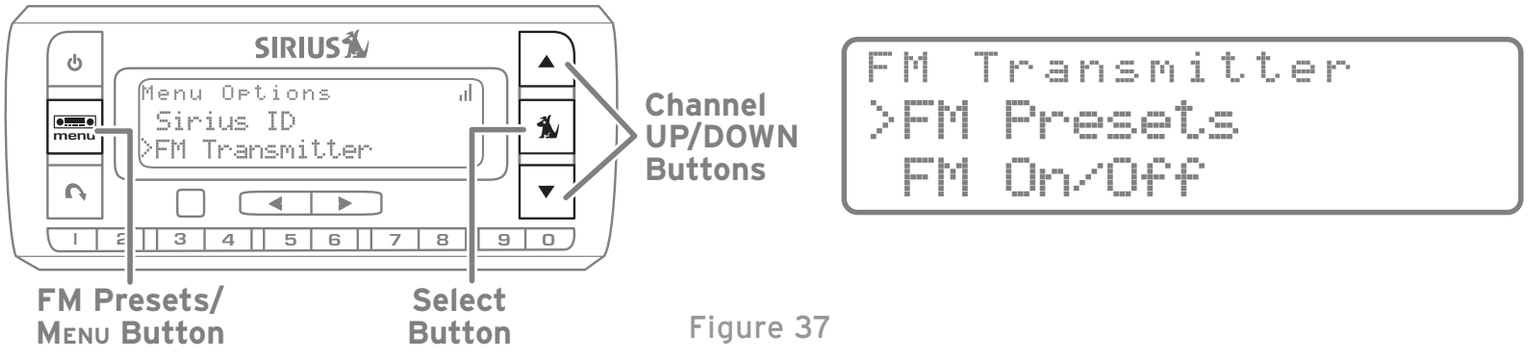



Figure 37

c. The FM TRANSMITTER screen will appear (see *Figure 37*, right). Press the Channel UP/DOWN buttons to highlight FM PRESETS and press the Select button to select it.

d. The FM PRESETS screen will appear (see *Figure 38*, left). FM1 will be highlighted. (FM1 is factory-set to 88.1MHz. This may not be the best frequency for your area.)

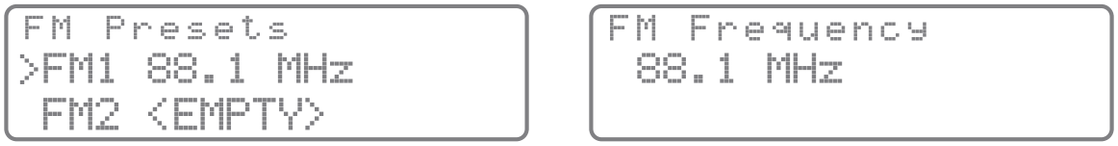



Figure 38

e. Press the Select button to select FM1. The FM FREQUENCY screen will appear (see *Figure 38*, right).

f. Use the Channel UP/DOWN buttons to highlight the FM frequency that matches the channel that you preset on your vehicle radio in *Step 5* on page 56, then press the Select button to select it. (See *Figure 39*.)

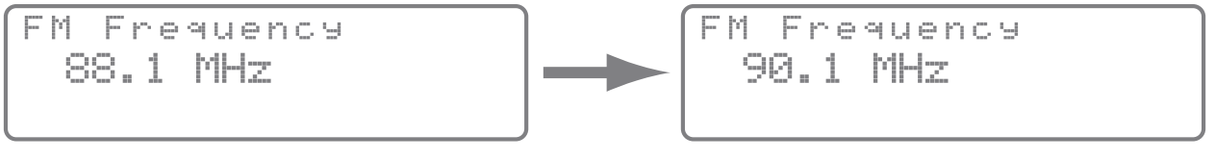



Figure 39

To listen to SIRIUS, turn your SIRIUS Stratus 5 ON, then turn your vehicle's FM radio ON and press the SIRIUS preset you set in *Step 5*, on page 56. You should hear your SIRIUS Stratus 5 through your vehicle's FM radio (see *Figure 40*).

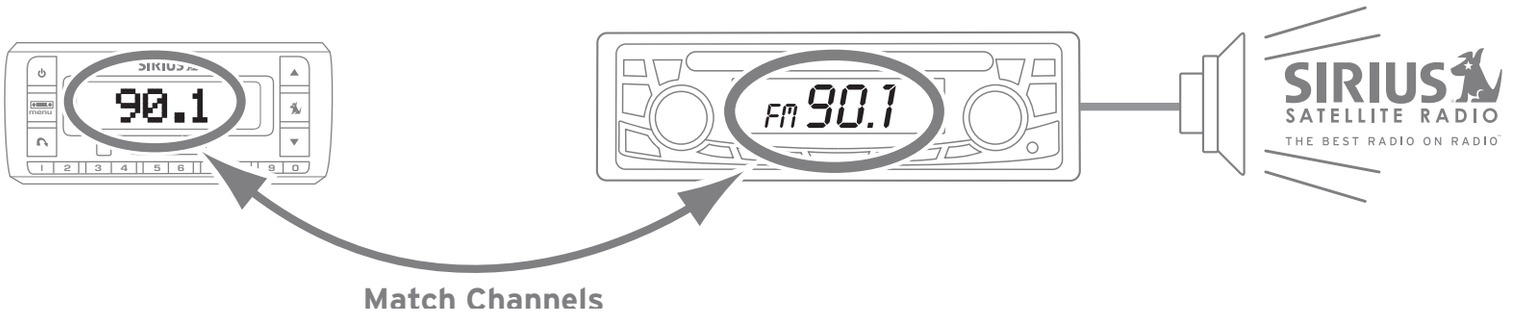



Figure 40

## Step 7: Optimize the placement of the FEA

1. Mute the volume of your Stratus 5: Press the MENU button, select SETTINGS, then select AUDIO LEVEL and turn the volume down to zero. (See page 78.) Note, your SIRIUS radio is still ON.
2. Turn up the volume of your vehicle's FM radio. If you hear static or interference adjust the position of the FEA until the static or interference is eliminated or minimized (see *Figure 41*).

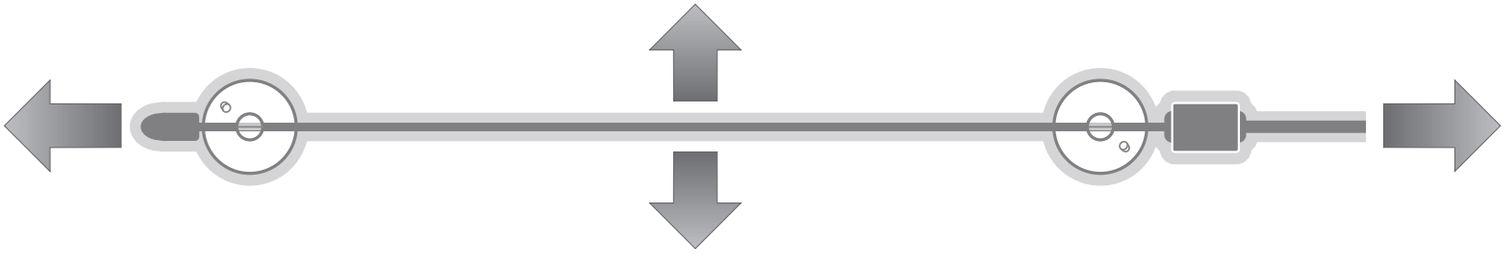


Figure 41

3. If the level of static or interference is still high, please select another FM channel by repeating *Steps 5* & *6*, on page 56 – 57.

## Step 8: Permanently install the FEA

NOTE: IF YOU ARE MOUNTING THE FEA IN THE VEHICLE'S HEADLINER, SKIP THIS STEP.

When you are satisfied with the FEA's mounting location, remove the suction cup mounts and peel the backing off the bead and arrow adhesive mounts. Clean the area where the FEA will be attached with the alcohol swab. Permanently adhere the FEA in the same position on the glass (or A-pillar), making certain the wire is taut and is as straight as possible (see *Figure 42*). If necessary, use the cable guides to hold the cable.

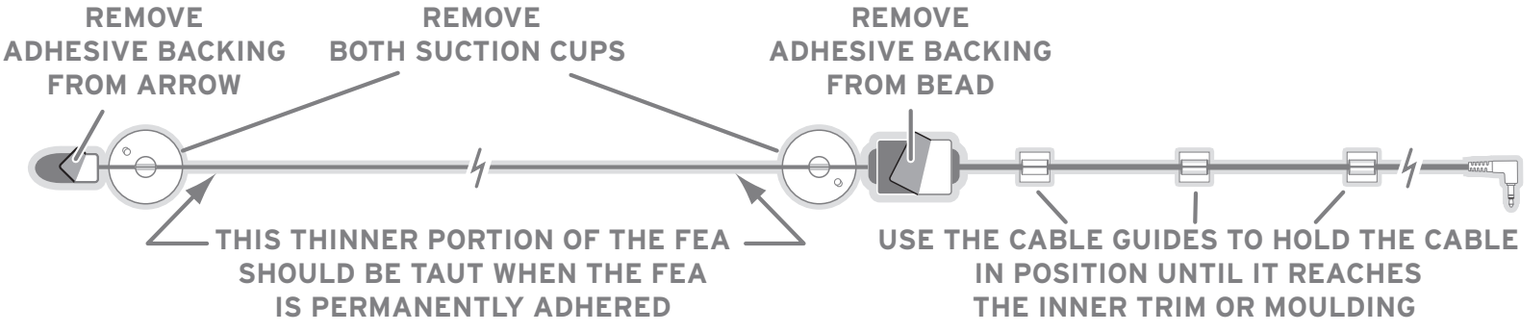



Figure 42

### Step 9: Route and hide the cable through the vehicle to the Vehicle Dock

Hide the FEA cable by properly routing it to your SIRIUS Vehicle Dock (see *Figure 43*). Use the cable guides to hold the cable in place until it reaches the inner trim or moulding at the edge of the window. Take advantage of any existing cable channel or wiring conduit and route the cable around the passenger compartment to the Vehicle Dock. Take care not pull the cable across sharp edges that could damage it, and keep it away from areas where it might entangle feet. Coil and secure any excess antenna cable in a location where it can be hidden and secured (such as under the carpet or floor mat).

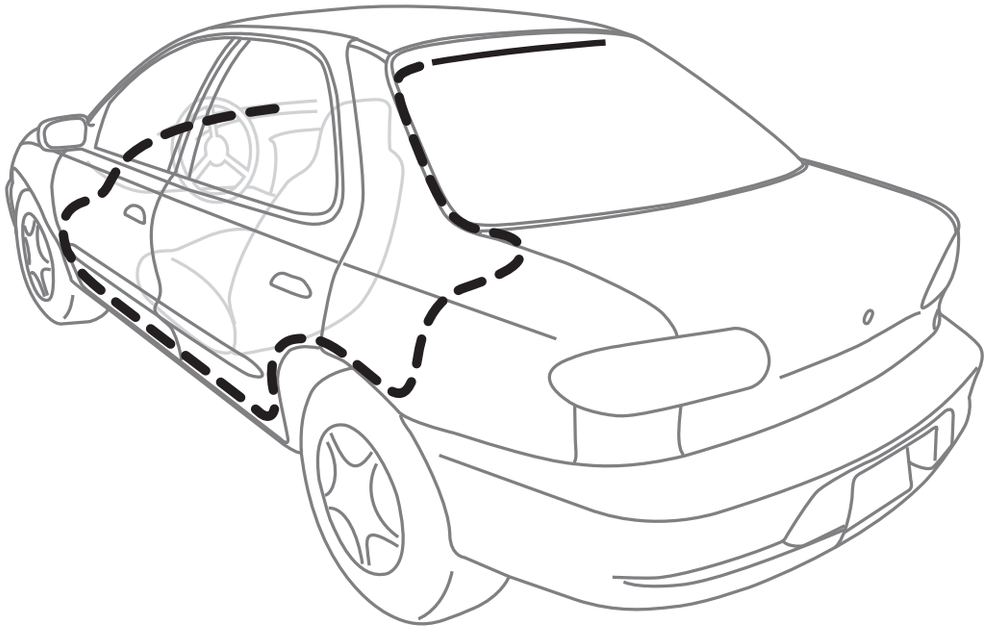


Figure 43

Plug the FEA cable into the Vehicle Dock's FM OUT connector (see *Figure 36*, on page 56).

## Appendix A: Tips for Identifying the FM Antenna

Correctly identifying your vehicle's FM antenna is a key to successfully installing the FEA. The preceding installation section already showed you the different kinds of FM antennas found on vehicles. However, there are several types of antennas found on vehicles that you may at first believe to be the FM antenna but which in reality are not. Instead they may actually be GPS, OnStar®, cell phone, factory-installed satellite radio antennas, or another type of antenna.

Please be aware of the following when identifying your vehicle's FM antenna:

1. Puck-type antennas and shark-fin type antennas are never the FM antenna. *Figure 44* shows several types of these antennas which should not be mistaken for an FM antenna. If you have located one of these types of antennas on your vehicle you can be certain that it's not the FM antenna. Continue your search to find the actual FM antenna.

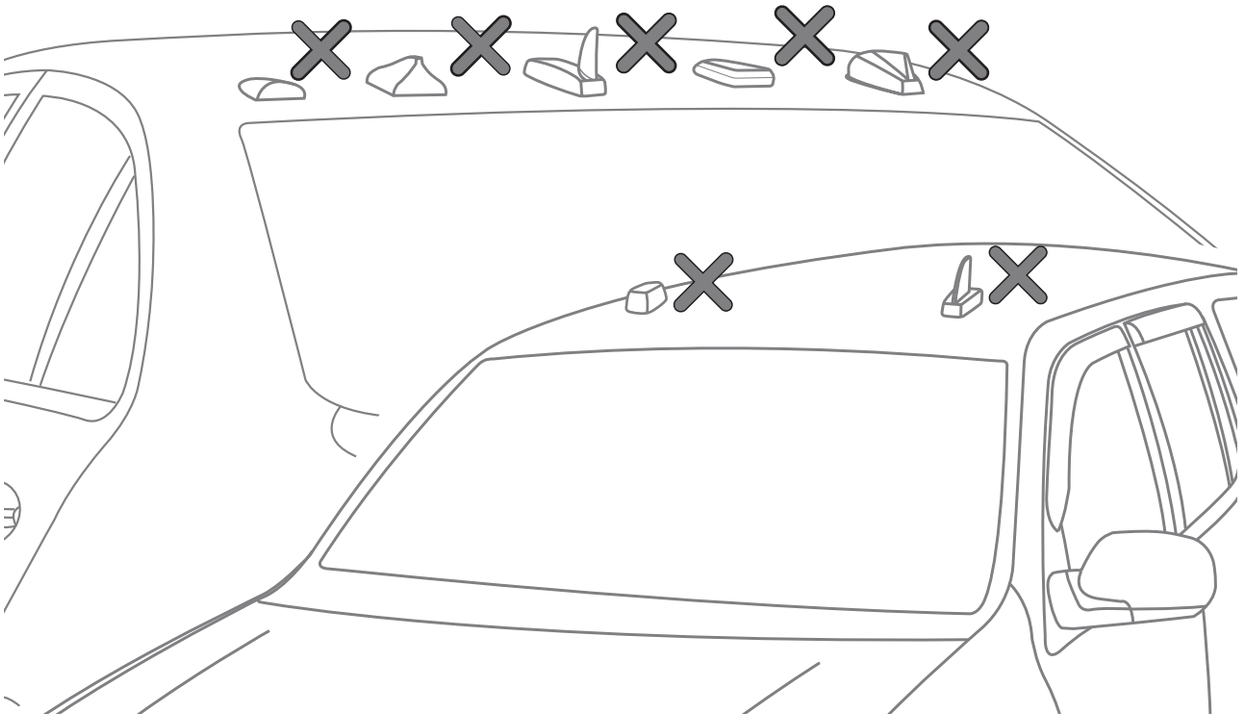


Figure 44

2. Greater confusion may arise with whip type antennas. *Figure 45* shows some whip type antennas which can be found on the front or rear of a vehicle's roof, or on the rear windshield. Some of these antennas could be the FM antenna and some are not the FM antenna.

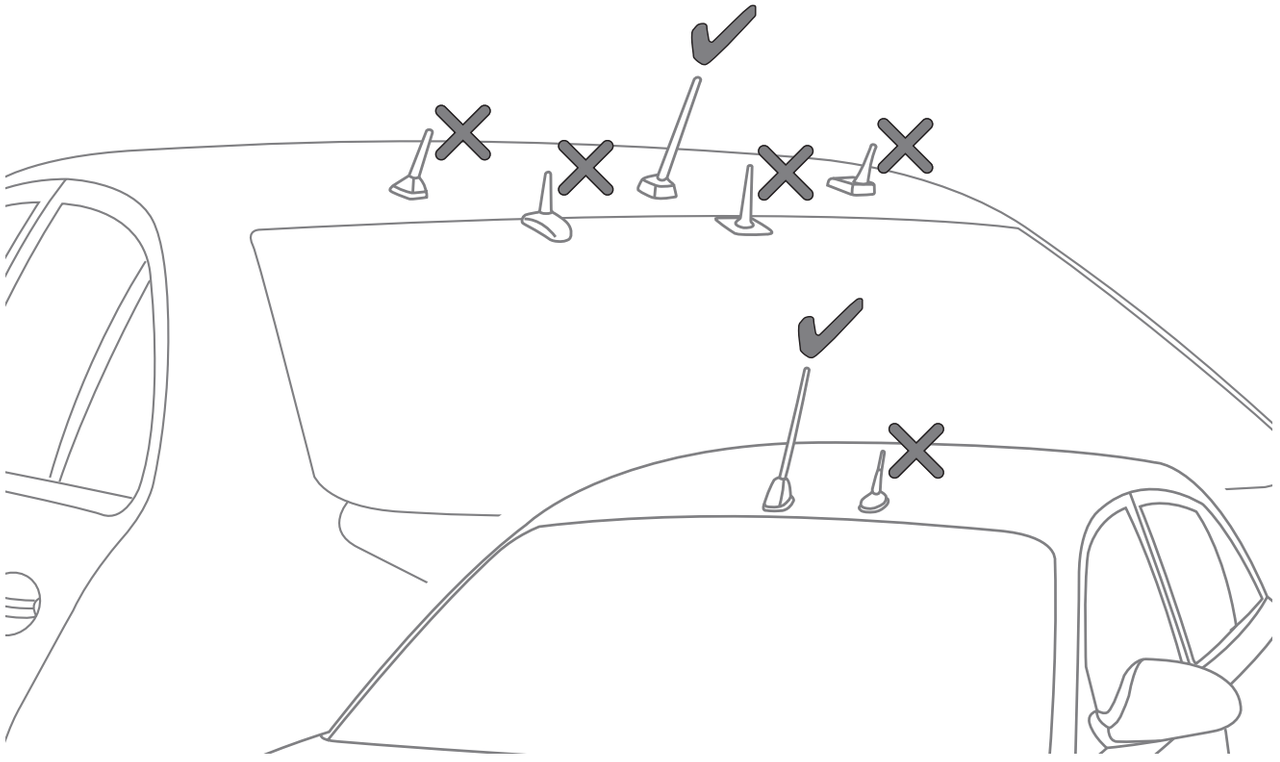


Figure 45

3. Antennas with a short 2-4 inch stubby whip or protrusion are not FM antennas, while antennas with a whip length of 7 inches or longer are likely to be the FM antenna. If your vehicle has a short stubby antenna, you should continue searching your vehicle's FM antenna.

If after searching your vehicle you're still uncertain as to where its FM antenna is located then SIRIUS recommends professional installation of the FM Extender Antenna. Ask your SIRIUS retailer if they provide professional installation services, or can recommend a professional installer.

If you don't correctly identify your vehicle's FM antenna, the installation of the FEA will result in poor performance and unsatisfactory results.

# Subscribing to the SIRIUS Service

Before you can listen to the SIRIUS service, you need to subscribe to the SIRIUS Satellite Radio service. To subscribe, do the following:

1. Be sure that your SIRIUS Stratus 5 is correctly installed, is properly docked in the Vehicle Dock, and that the antenna is oriented to receive the SIRIUS signal.
2. Turn on the Stratus 5. After the startup sequence, it will update the SIRIUS channel line-up (see *Figure 46*, top). Wait until the channel updates have completed before pressing any buttons.
3. Once the channels have been updated, the radio will automatically tune to channel 184 and the display will change to Call 1-888-539-SIRIUS to Subscribe (see *Figure 46*, second from top). You will not be able to listen to any other channels until you activate your SIRIUS subscription.
4. Use the Channel UP/DOWN buttons to tune to channel 0 to display your Stratus 5's unique 12-digit SIRIUS ID Number (SID). See *Figure 46*, third from top. Write the SID number down.
   - The SID number is also available on your Stratus 5's packaging, and may also be accessed by pressing the FM Presets/MENU button and selecting SIRIUS ID.

Figure 46

5. Have your credit card handy and contact SIRIUS on the Internet at: **https://home.sirius.com/** and follow the prompts to activate your subscription. You can also call SIRIUS toll-free at: 1-888-539-SIRIUS (1-888-539-7474).
6. When you have successfully subscribed to the SIRIUS service your Stratus 5 will display an alert message (see *Figure 46*, bottom). To continue, press any button.

You are now ready to begin enjoying SIRIUS Satellite Radio's digital entertainment, and can tune to other channels!

# Controls

## SIRIUS Stratus 5 Front Panel

*Figure 47* and the section following identify and describe the SIRIUS Stratus 5's buttons and controls.

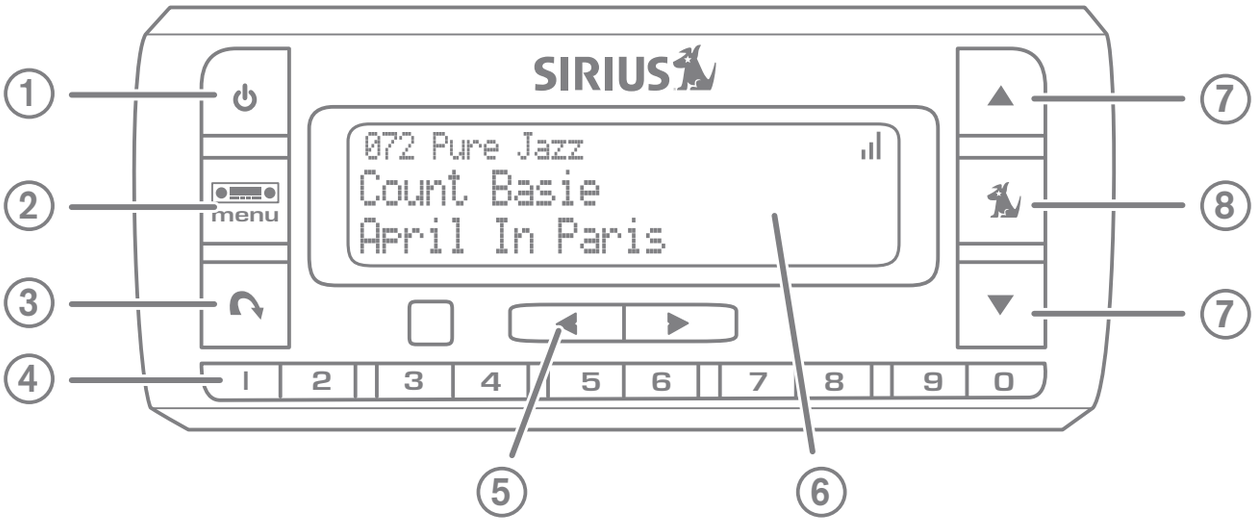



Figure 47

1. Power Button: Turns the Stratus 5's power ON and OFF.
2. FM Presets/MENU Button: Selects between different preset frequencies used by the built-in wireless FM transmitter. Press and hold to access MENU OPTIONS to make setup and feature changes.
3. Jump Button: Jumps to a pre-selected traffic/weather channel.
4. Preset/Direct Tune Buttons (0 – 9): Sets and selects preset channels. Also lets you directly tune channels by entering the channel number.
5. Category < > Buttons: Navigates through the Category List screen which displays SIRIUS channel categories.
6. LCD Display: Displays information about the Stratus 5's operation and about the program that is playing.
7. Channel UP/DOWN Buttons: Navigates through channels and display screens.
8. Select Button: Selects items highlighted on the display screen. When at the Default display screen, a press-and-release will display a prompt to enter a channel number.

# Vehicle Dock Reference Guide

*Figure 48* and the section following identify and describe the Vehicle Dock's features and connectors.

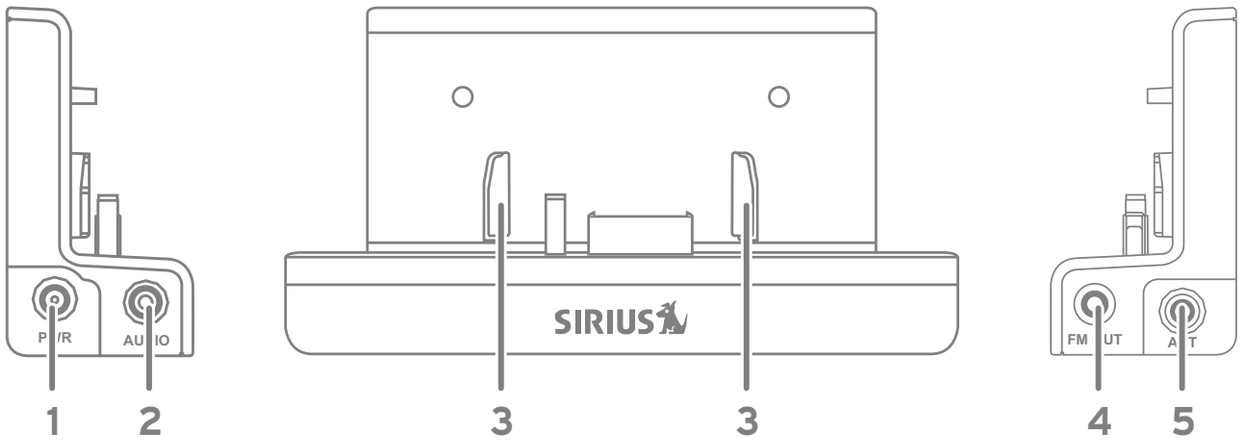



Figure 48

1. DC5V Power Connector: Power connection for the supplied cigarette lighter adapter (see page 37).
2. Audio Out (AUDIO) Connector: Audio output for directly connecting to your vehicle's audio system (see pages 40 & 42).
3. Docking Rails: Fit-into slots in the back of the Stratus 5 to secure it while it is docked (see page 37).
4. FM OUT Connector: FM output for use with the optional FM Direct Adapter (see page 41).
5. Antenna (ANT) Connector: Connection for the supplied magnetic antenna (see page 36).

# Operation

## Display Screen Information

Whenever you power your Stratus 5 ON, the previously-selected channel will automatically begin playing, and the Stratus 5's display screen will show the currently-tuned channel,  the song or show being played, the artist name and other information. This screen is referred to as the Default screen in this manual. *Figure 49* identifies the information displayed when listening to a typical broadcast.

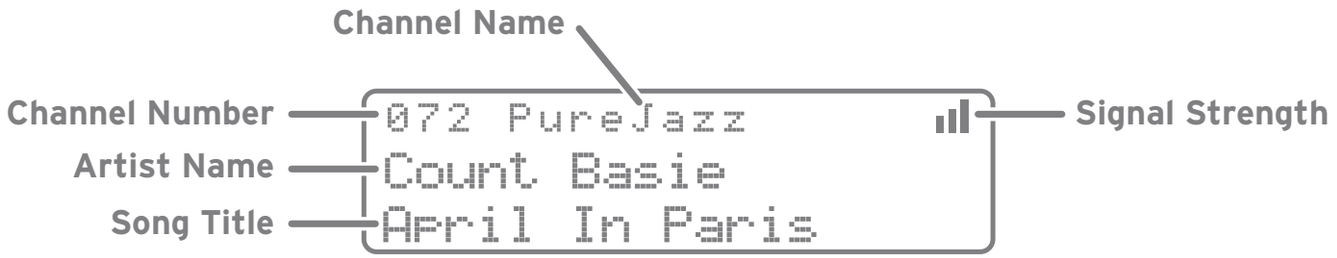



Figure 49

You can choose to have the channel name, category name, or the time displayed on the Default display screen (see *Figure 50*). To change the display, press-and-hold the FM Presets/MENU button, use the Channel UP/DOWN buttons and Select button to highlight and select SETTINGS > DISPLAY OPTIONS > MODE, and then choose the desired display option. (See MODE, on page 77.)

Figure 50

# Changing Channels and Categories

Pressing the Channel UP or DOWN button will cause the Stratus 5 to immediately tune to the next or previous channel.

Pressing the Category < or > button once will display a list of the channels in the current category, highlighting the currently-tuned channel (see *Figure 51*). Use the Channel UP/DOWN buttons to navigate through the list, and press the Select button to choose a selected channel. Press the Category < or > buttons to scroll through all the different categories (see *Figure 51*).

Figure 51

# Selecting Channels Directly (Direct Tuning)

You can directly tune to any channel by entering its channel number. Momentarily press and release the Select button. At the display prompt (*Figure 52*), use the Preset/Direct tune (0 – 9) buttons to enter the channel's three-digit number.

Figure 52

# Channel Presets

You can store up to 10 of your favorite channels as presets for quick access by pressing the 0 – 9 buttons.

## Storing Channel Presets

To store a favorite channel as a preset, do the following:

1. Tune the Stratus 5 to the channel you want to store as a preset.
2. Press and hold for 1 second the numbered preset button (0 – 9) in which you want to store the channel. You will hear an audible beep and the display will confirm that the channel has been stored as a preset (see *Figure 53*).

Figure 53

NOTE: IF THE PRESET BUTTON ALREADY HAS A CHANNEL STORED IN IT, THE NEWLY-STORED CHANNEL WILL REPLACE THE ORIGINAL PRESET.

## Selecting Presets

To tune to a preset channel, press and release one of the 0 – 9 buttons. If you press a preset button in which no channel has been saved, the PRESET EMPTY message will be displayed (see *Figure 54*).

Figure 54

# FM Presets/Menu Button

If you are using a wireless connection between your Stratus 5 and your vehicle's audio system (see page 41), you can easily select between the five different preset FM transmitter frequencies without having to go through the Menu Options (see page 70).

To quickly access the FM Transmitter menu, press the FM Presets/Menu button.

If the FM Transmitter is set to ON: Each press of the FM Presets/Menu button will switch to the next preset FM Transmitter frequency (see *Figure 55*).

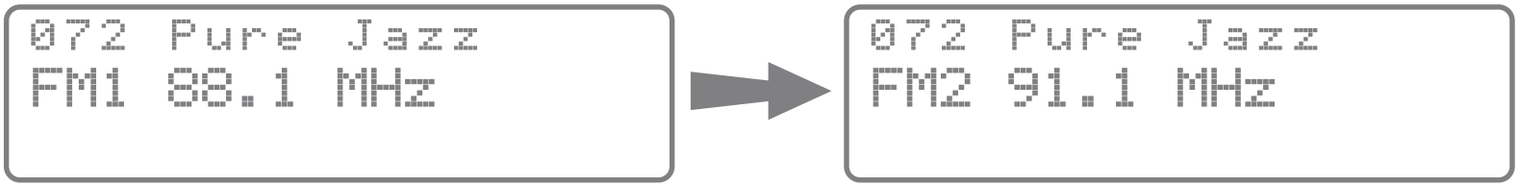



Figure 55

If the FM Transmitter is set to OFF: The FM On/Off screen appears (see *Figure 56*). Use the Channel UP/DOWN buttons to highlight On, and press the Select button.

Figure 56

After selecting On, the FM Presets screen will appear. Each press of the FM Presets/Menu button will switch to the next preset FM Transmitter frequency (see *Figure 55*).

# Jump Button

Pressing the Jump button will jump to a traffic/weather channel which you have chosen for your area. This button allows you to quickly tune the traffic/weather for your area and then tune back to the original channel by pressing the Jump button again (see *Figure 57*).

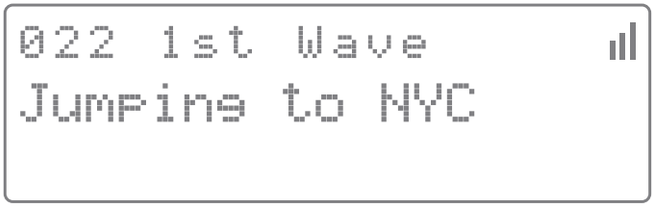



Figure 57

If your traffic/weather report is not immediately available, the display will indicate that a jump is pending (see *Figure 58*). Once your local traffic/weather report is ready, the Stratus 5 will automatically tune to the traffic/weather channel. You may have to wait a few minutes for your desired report.

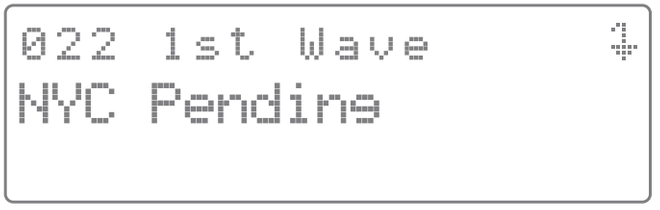



Figure 58

Pressing the Jump button while a jump is pending will cancel the jump. Pressing the Jump button after the Stratus 5 has tuned to the traffic/weather report will return to the channel you had been listening to immediately prior to pressing the Jump button.

Refer to *Jump Settings* on page 80 for information on configuring the Jump button for traffic/weather in your area.

# Menu Options

Menu Options allows you to set and/or change the various features and settings of your SIRIUS Stratus 5. Press and hold the FM Presets/Menu button to display the MENU OPTIONS screen (see *Figure 59*).

Figure 59

Use the Channel UP/DOWN buttons to highlight selections in the menu lists and press the Select button to select them. To exit a menu, press the FM Presets/Menu button. If you don't make a selection within 10 seconds the Stratus 5 will exit the MENU OPTIONS screen and revert to the last active display mode. You can exit any Menu Options screen by repeatedly pressing the FM Presets/MENU button.

# SIRIUS ID

This displays your Stratus 5's 12-digit SIRIUS ID (SID) number (see *Figure 60*).

Figure 60

The SID is unique to each SIRIUS radio, and is required to activate your service. We recommend that you write this number in the space provided near the end of this user guide. No adjustments are allowed in this mode. To exit, press the FM Presets/MENU button or the Select button.

# FM Transmitter

The FM Transmitter menu option allows you to enable or disable the Stratus 5's built-in FM transmitter, and select up to 5 different preset FM transmitter frequencies (see *Figure 61*).

Figure 61

## FM Presets

You can select from the 5 preset FM transmitter frequencies:

1. On the FM Transmitter screen (*Figure 61*), highlight and select FM Presets. The FM Presets screen will appear (see *Figure 62*, left).

Figure 62

2. Use the Channel UP/DOWN buttons to highlight the FM preset you want (FM1 – FM5), and press the Select button. The FM Frequency screen will appear, showing the currently-selected frequency for that preset (see *Figure 62*, right).
3. To select the FM Preset: Press the Select button. To change the FM Preset's FM frequency: Use the Channel UP/DOWN buttons to change the FM frequency, then press the Select button.

To exit, press the FM Presets/Menu button 3 times.

## FM On/Off

You can turn the Stratus 5's FM transmitter ON and OFF:

1. From the FM Transmitter screen (see *Figure 61*, on page 74), highlight and select FM On/Off. The FM On/Off screen will appear (see *Figure 63*).

Figure 63

2. To turn the FM transmitter ON, highlight and select On; to turn the FM transmitter OFF, highlight and select Off.

To exit, press the FM Presets/Menu button twice.

# Settings

The SETTINGS menu lets you access the DISPLAY OPTIONS, AUDIO LEVEL, TONES, CLOCK, JUMP SETTINGS and CHANNEL LOCK menu options (see *Figure 64*).

Figure 64

## Display Options

The DISPLAY OPTIONS menu (*Figure 65*) lets you adjust the Stratus 5's LCD display to improve its visibility in different lighting conditions, and to display different types of information.

Figure 65

### BRIGHTNESS AND CONTRAST

Brightness adjusts the overall intensity of the LCD display to help with viewing in different lighting conditions. Contrast adjusts the relationship between the background and the text on the LCD display.

Use the Channel UP/DOWN buttons to adjust the brightness and contrast. The bar graphs will indicate the change (see *Figure 66*).

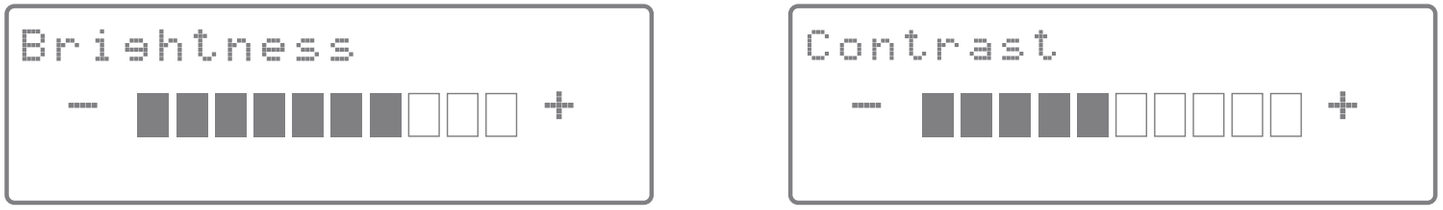



Figure 66

## Mode

The MODE screen (*Figure 67*) lets you change the default display screen to display either the channel name, category name, or the time. See *Figure 68* for examples. Use the Channel UP/DOWN buttons to select the desired mode and press the Select button to set your choice.

Figure 67

**Channel Name** **Category Name** **Time**

Figure 68

## Audio Level

The AUDIO LEVEL screen lets you use the Channel UP/DOWN buttons to adjust the Stratus 5's audio output level (see *Figure 69*). The bar graph will indicate the change.

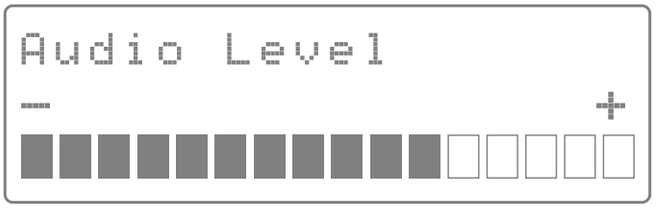



Figure 69

## Tones

You can select whether to hear an audible confirmation tone as you navigate menus and lists. To turn the tones ON or OFF, use the Channel UP/DOWN buttons to select your choice and press the Select button to set your choice (see *Figure 70*).

Figure 70

## Clock

The CLOCK screen (see *Figure 71*) allows you to setup the clock that appears on the Default screen, based on the format desired and the time zone in which you reside. The actual time is provided via the SIRIUS satellite signal, and will automatically update your Stratus 5.

Figure 71

### Format

Displays the time in either 12-hour (default) or 24-hour format (see *Figure 72*).

Figure 72

### Time Zone

Since the clock adjusts the time automatically, it is important to specify your time zone. Select your time zone from the list of the available time zones (see *Figure 73*).

Figure 73

### Daylight Savings Time

Select On if your area observes Daylight Savings Time; select Off if your area does not (see *Figure 74*).

Figure 74

## Jump Settings

The Jump menu lets you select which city's traffic and weather reports the Stratus 5 will provide when you press the Jump button. Use the Channel UP/DOWN buttons to select a city and press the Select button to set your choice (see *Figure 75*).

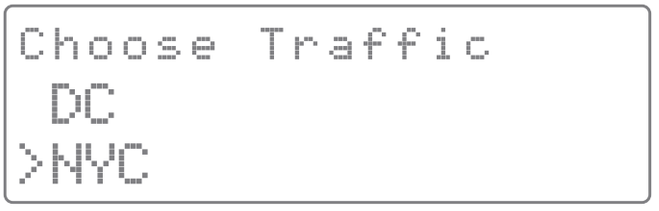



Figure 75

## Channel Lock

Your SIRIUS Stratus 5 has the ability to lock channels you do not want others (such as children) to access without your permission. Locked channels will not appear on the Channel List screen, or when browsing channels with the Channel UP/DOWN buttons. When the anyone tries to access a locked channel using the Direct Tuning function (see page 68), an ENTER CODE screen will be displayed and the channel won't be accessed until the correct code is entered.

### Locking and Unlocking Channels

1. Select the CHANNEL LOCK menu option. The CHANNEL LOCK screen will appear (see *Figure 76*, left).

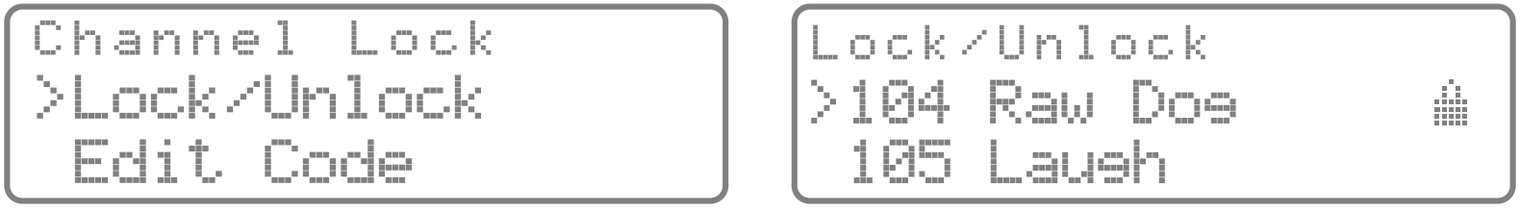



Figure 76

2. Select LOCK/UNLOCK. You will need to enter a lock code to proceed. Refer to *Setting the Lock/Unlock Code*, on page 82 for information on how to set the lock code.
3. Once you enter the lock code the LOCK/UNLOCK screen will appear (see *Figure 76*, right). Use the Channel UP/DOWN buttons to highlight the channel you wish to lock or unlock from the channel list. Pressing the Select button will either add a padlock icon next to the channel name to indicate that the channel will be locked, or unlock a locked channel by removing the padlock icon.

**Setting the Lock/Unlock Code**

To set the lock code:

1. Select the CHANNEL LOCK menu option. The CHANNEL LOCK screen will appear (see *Figure 76*, left, on page 81)
2. Select the EDIT CODE menu option. The NEW CODE screen will be displayed (see *Figure 77*). Enter a four-digit code using the 0 – 9 number buttons. You will then be prompted to enter the new code again to confirm.

Figure 77

3. When the lock code is confirmed, the lock code is set.

You can use this same procedure to change the lock code after you have set it.

NOTE: IF YOU HAVE FORGOTTEN YOUR CHANNEL LOCK CODE, CALL SIRIUS CUSTOMER SERVICE FOR HELP.

# Signal

When using the optional Home Docking Station or boombox indoors, it is important to aim the antenna for maximum signal reception. The Signal screen (see *Figure 78*) visually shows the strength of the satellite and terrestrial signals being received by the Stratus 5. (Refer to the Home Docking Station installation guide for more information about properly orienting the antenna.)

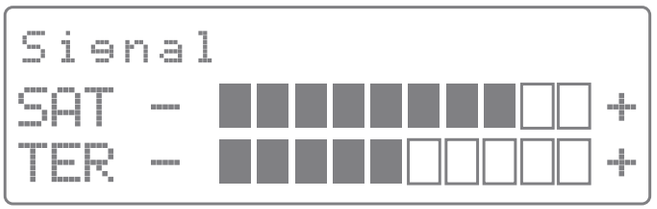



Figure 78

The SAT bar graph indicates the strength of the satellite signal strength; the TER bar graph indicates the strength of the terrestrial signal strength (if available).

# Factory Default

The Factory Default menu option will restore most every feature of the radio to the original factory settings. The following is a list of all features affected by the Factory Default option:

- All Channel Presets are cleared
- Radio set to Normal Tuning Mode
- Display brightness set to 50%
- Display Contrast set to 50%
- FM Transmitter set to ON
- FM Transmitter Preset #1 set to 88.1 MHz
- Jump setting is cleared
- Top line display mode set to Channel Name
- Audio level set to -3dB
- Confirmation Tone set to ON

Note that the Parental Control feature is not affected by the Factory Default option. This prevents someone from circumventing the Channel Lock feature. Channels that have been locked will remain locked.

To activate the Factory Default feature, and restore the above features to their factory defaults, do the following:

1. Highlight and select FACTORY DEFAULT from the Menu Options screen. The RESTORE? screen will appear (see *Figure 79*, left).

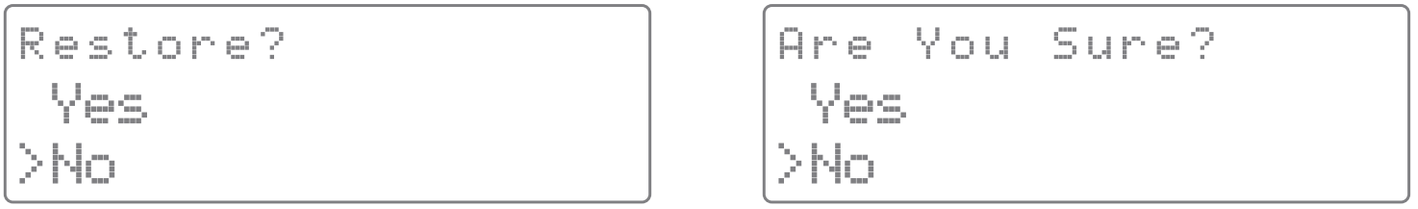



Figure 79

2. Highlight and select YES to restore the above settings to the their factory default settings, or select NO to leave them as-is and return to the MENU OPTIONS screen.
3. If you select YES, a confirmation screen appears (see *Figure 79*, right). Use the Channel UP/DOWN buttons to select YES to restore all settings to the settings from the factory, or select NO to leave them as-is and return to the Menu Options menu.
4. If you select YES, the Stratus 5 will restore the original factory settings (see *Figure 80*).

Figure 80

5. When the Restore is complete, the Stratus 5 will tune to the last channel that was active before the Factory Default was begun.

# Troubleshooting

| Symptom | Solution |
|---|---|
| The Stratus 5 does not power ON | Blown fuse, or the power cable is not properly connected.<br>• Check for a bad fuse and check power cable connection |
| Display reads:<br>No Antenna | The satellite antenna is not connected to the radio.<br>• Check the satellite antenna connection to the radio. |
| Display reads:<br>Acquiring Signal | No satellite signal is being received.<br>• Check for obstacles over or around the satellite antenna.<br>• Change the vehicle location to eliminate nearby obstacles (bridges, overpasses, tress, buildings, etc.). |
| Audio static or loss of clarity | The FM frequency contains static.<br>• Locate a quiet FM frequency on your vehicle radio and set the FM transmitter frequency of the SIRIUS radio to match.<br>• If using the Vehicle Dock AUDIO OUT connector, check the cable connections. |
| No sound | The audio cables are not connected, or the FM radio is set to the wrong frequency.<br>• Check the audio cables at the SIRIUS radio and the vehicle's audio system.<br>• Tune the vehicle's FM radio to the same FM frequency the SIRIUS FM transmitter is tuned. |

# Specifications

| | |
|---|---|
| Satellite Frequencies | 2322.293/2330.207 MHz |
| Terrestrial Frequencies | 2326.250MHz |
| Radio Power Requirements | 4.9 – 5.6 Volts, Negative Ground, DC |
| Audio Output | 700mVrms (+/- 50mVrms) |
| Total Harmonic Distortion (THD) | <0.2% |
| Signal-to-noise (S/N) | Greater than 73dB |
| Fuse Requirement | 2A ATC |
| Radio Dimensions (Length x Width x Depth) | 114mm x 48mm x 15mm (4.5″ x 1.9″ x 0.6″) |
| Radio Weight | 85g (3.0 oz.) |
| Cigarette Lighter Adapter Power Requirements | 9 –16 Volts, Negative Ground, DC |
| Antenna Type | Low Profile Magnetic |
| Antenna Cable Length | 21′ (single micro-cable) |
| Antenna Connector Type | SMB (right-angle) |
| Audio Out Interface | 1/8″ / 3.5mm Stereo Jack |
| FM Out Interface | 2.5mm Jack |

NOTE: FEATURES AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

# SIRIUS ID

Write down the SIRIUS ID (SID) of your SIRIUS Stratus 5 in the space provided below.

SID: _____

THE BEST RADIO ON RADIO™

SIRIUS Customer Service: 1-888-869-5590
customercare@sirius-radio.com

SIRIUS Satellite Radio Inc.
1221 Avenue of the Americas
New York, NY 10020
1-888-869-5590
http://www.sirius.com

SIRIUS
SATELLITE RADIO

**sirius.com**

Sirius Satellite Radio Inc.
1221 Avenue of the Americas
New York, NY 10020

**800.869.5590**

Stratus 5 User Guide (050508a)