



User Guide

SIRIUS CONNECT™

Vehicle Tuner

Congratulations on the Purchase of your new SIRIUS SCC1 SiriusConnect Vehicle Tuner.

The SCC1 SiriusConnect Vehicle Tuner is designed to work with any Sirius-Ready or SAT Radio Ready headunit. Some headunits will require the use of a SiriusConnect Interface Translator. Please consult your headunit manufacturer for more details concerning compatibility and interface availability. The SCC1 can also be integrated in select factory audio systems. Please consult your retailer for interface compatibility options. For the latest information about this and other SIRIUS products and accessories, visit <http://www.sirius.com>.

Compatible with Sirius-Ready or
SAT-Radio Ready Headunits

May require a SiriusConnect
Interface cable or translator



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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.

- Install the cables and wiring so that it is not crimped or pinched by screws or sharp metal edges. Route the cables away from moving parts or sharp pointed edges. This will prevent crimping and damage to the wiring. If the wiring must pass through a metal hole, be sure to use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.
- Use caution if you need to disconnect the battery terminal. Please consult the vehicle's owner's manual or a service technician prior to removing the battery positive or ground connection, as it may cause damage to the vehicle's electrical system or require reprogramming of the vehicle's computer-controlled devices.
- Do not operate any function that takes your attention away from safely driving your vehicle. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.
- Do not open, disassemble, or alter the unit in any way. Doing so may result in fire, electric shock or product damage.
- Do not insert any objects into the unit. Doing so may result in fire, electric shock or product damage.
- Do not install in locations that might hinder vehicle operation. Doing so may obstruct vision or hamper movement which can result in a serious accident.

- Do not install the unit to high levels of humidity, moisture or dust. Doing so can result in electric shock or product failure.

FCC Warning

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in this User Guide. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

FCC Compliance

Note: This equipment has been tested and found to comply with Part 15 of the FCC Rules. These rules are designed to provide reasonable protection against harmful interference. This equipment may cause harmful interference to radio communications if it is not installed and used in accordance with these instructions. 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 of more of the following measures:

- Relocate the receiving antenna.
- Increase the separation between the other equipment and the receiver.
- Consult the dealer or an experienced radio technician for help.

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.

Copyrights & Trademarks

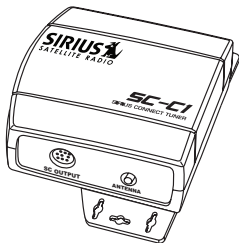
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® “SIRIUS”, the SIRIUS dog logo, “SiriusConnect”, channel names and logos are trademarks of Sirius Satellite Radio Inc. All Rights Reserved.

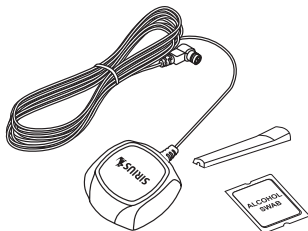
Hardware, subscription, and activation fee required. For full Terms & Conditions, visit <http://www.sirius.com>. Prices and programming are subject to change. Not available in HI and AK. Equipment and subscription sold separately. Installation required with some equipment.

Package Contents

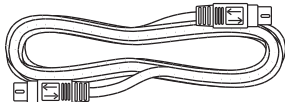
The following items are included with your purchase of the SIRIUS SCC1 SiriusConnect Vehicle Tuner. Unpack the kit carefully and make sure that everything shown is present. If anything is missing or damaged, or if the unit fails to operate properly, notify your dealer immediately. It is recommended that you retain the original carton and packing materials in case you need to ship your kit in the future.



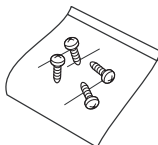
SCC1 Vehicle Tuner
(with mounting plate attached)



**Mini-magnetic antenna with 21' cable,
tail cover and alcohol pad**



SiriusConnect Interface Cable
(Male/Male)



Mounting screws
(x4)

Connections

Connector Information

Figure 1 identifies and describes the connectors on the SCC1 Vehicle Tuner. Figure 2 identifies the 8-pin pin-out configuration.

- **SC OUTPUT:** Connection for the SC Interface Cable.
- **ANTENNA:** Connection for the satellite antenna.

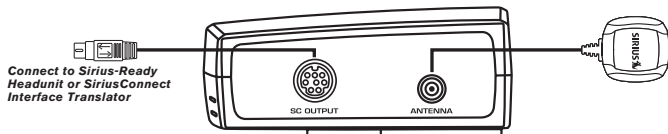


Figure 1

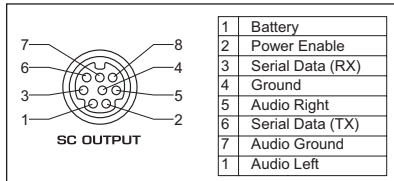


Figure 2

Note 1: The Serial Data TX and RX lines in the SiriusConnect Interface cable are crossed.

Note 2: The Audio output is 1volt RMS.

Basic system wiring options

The SCC1 SiriusConnect Vehicle Tuner is designed to work with any Sirius-Ready or SAT Radio Ready headunit. Some headunits will require the use of a SiriusConnect Interface Translator. Please consult your headunit manufacturer for more details concerning compatibility and interface availability. The SCC1 can also be integrated in select factory audio systems. Please consult your retailer for interface compatibility options.

System 1



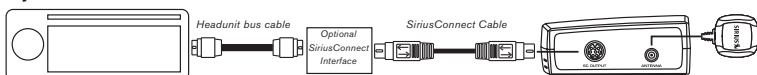
Sirius-Ready or SAT Radio Ready headunit with a SiriusConnect 8-pin DIN connector. Note that the headunit must be capable of directly communicating to the SCC1 tuner protocol.

System 2



Sirius-Ready or SAT Radio Ready headunit with an optional headunit specific connector/adaptor. Note that the headunit must be capable of directly communicating to the SCC1 tuner protocol.

System 3



Sirius-Ready, SAT Radio Ready or select OEM headunits with optional SiriusConnect Interface translator.

Installation

Installing the SCC1 Vehicle Tuner

It is recommended that prior to starting the installation, you thoroughly read this manual and follow the guidelines listed below.

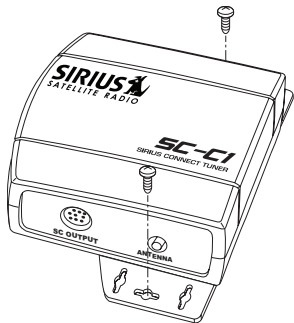
Consider the mounting location carefully. You should make sure that you avoid the following:

- Any location where the tuner is exposed to moisture.
- Any location where the unit is exposed to extreme heat.
- Any location where the tuner cannot get adequate ventilation.
- Any location that would interfere with moving parts on the vehicle or hamper driving.

Mounting the SCC1 Tuner

Be sure that you find a location that is flat and has clearance above the unit to prevent any damage as well as allowing for ventilation.

Caution: If you are attaching the unit directly to the vehicle's chassis, be sure that you check to make sure the area behind the unit is free from moving parts, fuel or brake lines, wire harnesses, or any other items which may get damaged by drilling a mounting hole or using the supplied screws.



Alternate Mounting Methods

The mounting plate can be removed allowing the SCC1 to be mounted directly to a surface using either double-sided stick tape, hook and loop, or other adhesive material. Simply remove the 2 screws on the bottom of the SCC1 tuner to remove the bracket, as shown in Figure 3 (right). If using adhesive material, avoid covering the SID label.

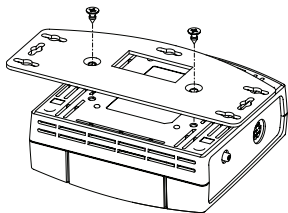


Figure 3

Combining with a SiriusConnect Interface Device

Some third-party interfaces are designed with the same asymmetrical chassis as the SCC1. To connect the units together, simply remove the mounting brackets from each unit, rotate them 90° and connect as shown in Figures 4 and 5 below.

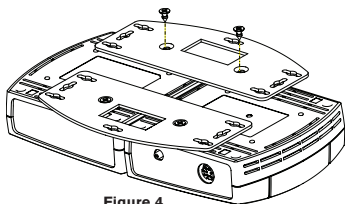


Figure 4

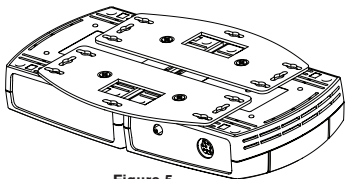


Figure 5

Mounting the Magnetic Antenna

The installation of the magnetic antenna consists of two installation steps:

- Mounting the magnetic antenna and cover/tail on the vehicle
- Routing the antenna cable through the vehicle to the tuner

The magnetic mount antenna has a strong magnetic mount designed to hold the antenna in place during normal driving conditions (highway/city). This also allows for easy removal for transferring the antenna to other vehicles.

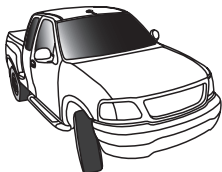
Figure 6 shows the optimal mounting location for the antenna on several types of vehicles. These mounting positions should be observed when installing the antenna:

- **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.

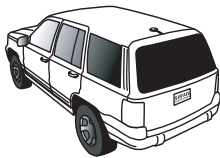
The antenna needs to have an **unobstructed area of 3 inches by 3 inches around it**. It is important to mount the antenna where no obstructions will block the antenna from receiving the SIRIUS signal. Objects which can obstruct the antenna could be a roof rack, a sunroof, a roof mounted cargo container, 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).



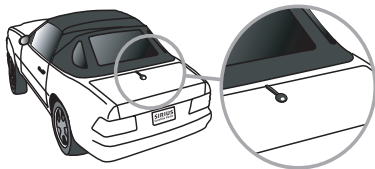
Sedan/Coupe



Pickup Truck



SUV/Mini-Van



Convertible

Figure 6

Mounting the Antenna on the Vehicle

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 7, 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.
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 (Figure 7) and press the rubber cover/tail firmly into place on the vehicle (Figure 8).

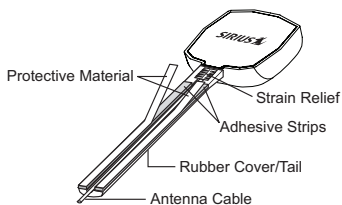


Figure 7

5. Double check that the location of the antenna and rubber cover/tail are correct, and continue to press firmly down on rubber cover/tail for another 30 seconds. At room temperature (68 degrees), maximum adhesion usually occurs within 72 hours. During this period, avoid car washes and other contact with the antenna and rubber antenna cable cover/tail.

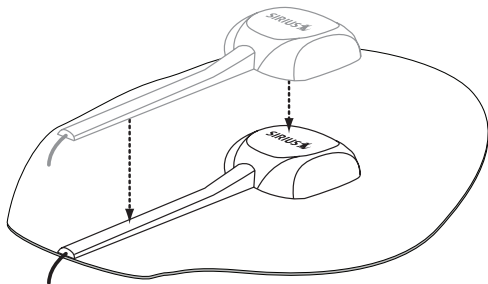


Figure 8

Antenna Cable Routing

When you have successfully mounted the antenna on the vehicle, you can begin the cable routing portion of the installation. Separate antenna cable routing procedures are provided for each type of vehicle:

- **Sedan/Coupe** on page 15
- **Pickup Truck** on page 16
- **SUV/Mini-Van** on page 17
- **Convertible** on page 18

Sedan/Coupe Antenna Cable Routing Procedure

Figure 9 shows how the antenna cable can be routed from the antenna to the tuner in a sedan/coupe. The exact routing of the antenna cable may vary depending upon where you have installed the dock in your vehicle. Avoid side airbag locations on back pillars and above the doors. (Airbag locations are marked with “SRS” logos.)

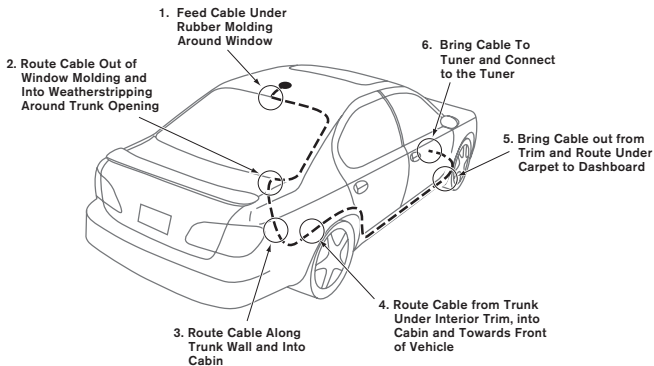


Figure 9

Pickup Truck Antenna Cable Routing Procedure

Figure 10 shows how the antenna cable should be routed from the antenna to the tuner in a pickup truck. The exact routing of the antenna cable may vary depending upon where you have installed the dock in your vehicle. Avoid side airbag locations on back pillars and above the doors. (Airbag locations are marked with “SRS” logos.)

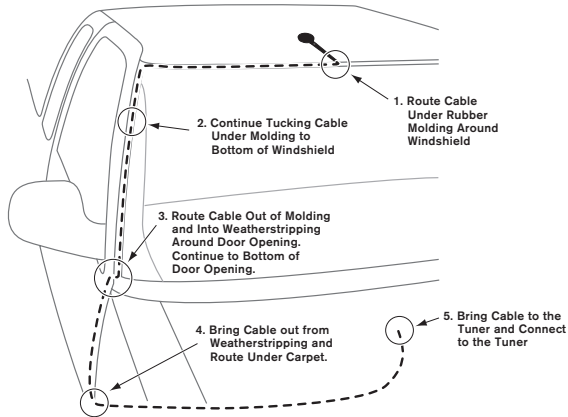


Figure 10

SUV/Mini-Van Antenna Cable Routing Procedure

Figure 11 shows how the antenna cable should be routed from the antenna to the tuner in an SUV or a Mini-Van. The exact routing of the antenna cable may vary depending upon where you have installed the dock in your vehicle. Avoid side airbag locations on back pillars and above the doors. (Airbag locations are marked with "SRS" logos.)

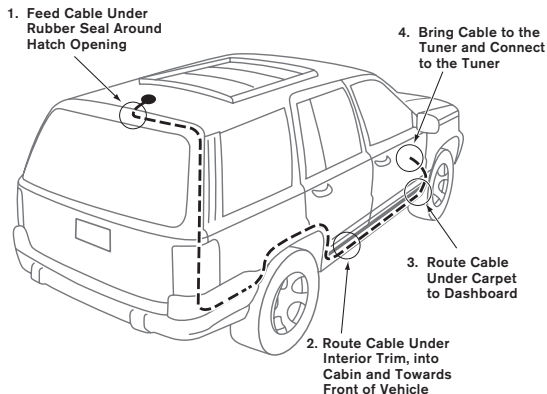


Figure 11

Convertible Antenna Cable Routing Procedure

Figure 12 shows how the antenna cable should be routed from the antenna to the tuner in a convertible. The exact routing of the antenna cable may vary depending upon where you have installed the dock in your vehicle. Avoid side airbag locations on back pillars and above the doors. (Airbag locations are marked with "SRS" logos.)

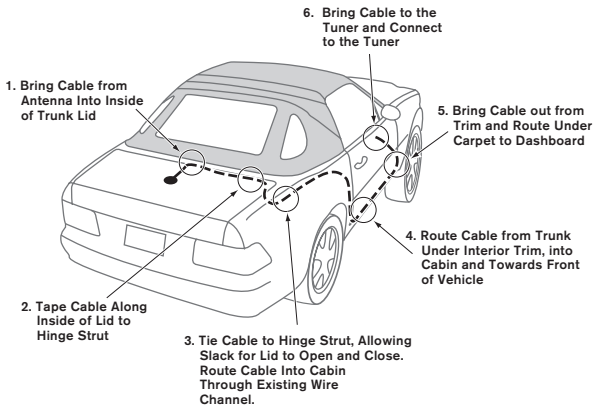


Figure 12

Operation

Activating Your SCC1 Tuner

You must activate the SCC1 tuner before you can begin to receive the SIRIUS Satellite Radio Service.

In order to activate your radio subscription, you will need the SIRIUS ID (SID) which uniquely identifies your tuner. The SID can be found on a sticker located on the SCC1 packaging, or on the bottom of the SCC1 itself. When you have located the SID, write it down in the space provided near the end of this manual and store it for future reference.

The SID can also be recalled from your Sirius-Ready headunit. Most units will display the SID on either Channel 0 or on Channel 255. Please consult your headunit owners manual or user guide for specific details.

Power on your system and make sure that you are receiving good signal and that you are able to hear audio on the SIRIUS Preview channel, Channel 184.

Have your credit card handy and contact SIRIUS on the Internet at:

<https://activate.sirius.radio.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)

Once the tuner is activated, you will be able to begin enjoying SIRIUS Satellite Radio's digital entertainment, and can tune to other channels.

Operation Information

Consult the owners manual for your Sirius-Ready headunit or SiriusConnect Interface for operating instructions.

Specifications

Operation Frequencies	.....
Satellite	.....2322.293/2330.207 MHz
Terrestrial	.....2326.250MHz
Power Requirements	..... 12 Volts DC (1Amp MAX),
Operation Temperature	..... -20° to +85° C (-4° to 185° F)
Audio Output	.....1V (RMS)
Signal-to-noise (S/N)	..... Greater than 75dB
Receiver Dimensions (SCC1 only)	..... 86.7mm x 88.7mm x 33.2mm (WxHxD)
Receiver Weight (with packaging)	..... 520g
Receiver Weight (SCC1 only)	.....120g)
Receiver Weight (SCC1 with Mounting Bracket)	.....180g)
Antenna Type	.....Automotive
Antenna Cable Length	..... 21' (single micro-cable)
Antenna Connector Type	.....SMB

SIRIUS ID

Write down the SIRIUS ID (SID) of your SCC1 Tuner in the space provided below.

SID: _____



sirius.com

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SCC1 (SCC1092407b)
OO.ABCD1.001