



User Guide

SIRIUS CONNECT™

Vehicle Kit

Congratulations on the Purchase of your new SCVDOC1 SiriusConnect Vehicle Docking Kit

The SCVDOC1 SiriusConnect™ Vehicle Docking Kit will turn your SIRIUS Dock & Play radio into a dedicated tuner, allowing you to control your SIRIUS radio from the audio headunit in your vehicle. A direct audio connection from the SIRIUS radio means that you can enjoy the rich, clear sound of the SIRIUS digital broadcasts over your vehicle's audio system.

The SCVDOC1 is designed to work with any Sirius-Ready or SAT Radio Ready headunit, however, some headunits may require the use of a SiriusConnect Interface Adapter (sold separately). Please consult the headunit manufacturer for more details concerning compatibility and interface availability.

The SCVDOC1 is compatible with the SIRIUS® Stiletto™, Sportster™, Starmate™, Stratus™ radios that have the Sirius Universal Docking Connector. 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
Adapter (sold separately):



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Copyrights & Trademarks

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

™ “SiriusConnect”, “Stiletto”, “Sportster”, “Starmate”, and “Stratus” are trademarks of Sirius Satellite Radio Inc.

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.

Warning and 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.

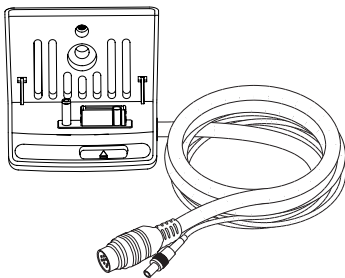
Safety Precautions

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.

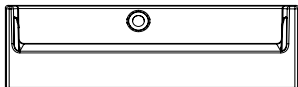
- Install the cables and wiring so that it is not crimped or pinched by screws or sharp metal edges. Route the cables away from moving parts or sharp pointed edges. This will prevent crimping and damage to the wiring. If the wiring must pass through a metal hole, be sure to use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.
- Use caution if you need to disconnect the vehicle's 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.

Package Contents

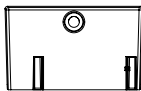
The following items are included with your purchase of the SCVDOC1 SiriusConnect Vehicle Docking Kit. Unpack the kit carefully and make sure that everything shown is present. If anything is missing or damaged, or if the kit fails to operate properly, notify your dealer immediately. It is recommended that you retain the original carton and packing materials in case you need to ship your kit in the future.



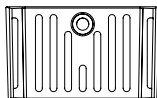
SiriusConnect Dock



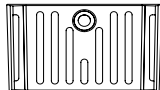
Radio Adapter 2



Radio Adapter 1*

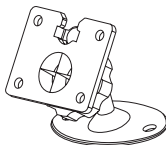


Radio Adapter 3



Radio Adapter 4

* Note that the Radio Adapter 1 shown above is pre-installed on the SiriusConnect Dock.



Pedestal Mount



Magnetic Antenna & Rubber Cover/Tail



Alcohol Wipe



**SiriusConnect
Interface Cable**



A



B



C



D

Screws*



E



F

**Rubber Feet
& Grommet****

*Note that Screw D is pre-installed in the SiriusConnect Dock.

**Note that the Rubber Feet & Grommet are pre-installed on the SiriusConnect Dock.

The following compatibility chart shows which SIRIUS radios are compatible with each radio adapter:

Radio Adapter	Compatible with these SIRIUS radios
Adapter 1 (preinstalled)	Sportster 5, Starmate 3 & 4, Stratus & Stratus 4
Adapter 2	Sportster 3 & 4
Adapter 3	Stiletto 10 & 100 (The Stiletto 10 & 100 require v1.1 software (or higher) to support SiriusConnect mode.)
Adapter 4	Stiletto 2

Controls and Connectors

Figure 1 and the table following identify and describe the controls, connectors, and various mounting connections of the dock.

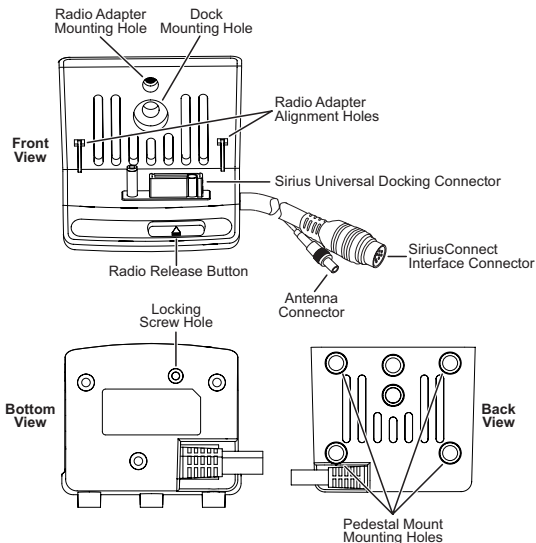
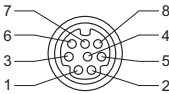


Figure 1

Description of Dock Controls, Connectors, and Mounting Connections																	
Control/Connector/ Mounting Connection	Description																
Radio Adapter Mounting Hole	The Radio Adapter is secured to the dock by attaching it with a screw (D) to this hole.																
Dock Mounting Hole	The dock can be mounted to a flat surface in the vehicle by using a screw (B) through this hole.																
Radio Release Button	Pressing this button releases the SIRIUS radio from the dock.																
Radio Adapter Alignment Holes	Tabs on the radio adapter align with these holes for correct placement in the dock.																
Sirius Universal Docking Connector	This connector plugs into the bottom of the SIRIUS radio.																
Antenna Connector	The SIRIUS magnetic vehicle antenna is connected to this connector.																
SiriusConnect Interface Connector	<p>The SiriusConnect interface cable connects to this connector. The other end of the DIN cable connects to the headunit.</p>  <p style="text-align: center;">DIN CABLE PIN CONNECTIONS</p> <table border="1" data-bbox="684 710 849 895"> <tbody> <tr><td>1</td><td>Battery</td></tr> <tr><td>2</td><td>Power Enable</td></tr> <tr><td>3</td><td>Serial Data (RX)</td></tr> <tr><td>4</td><td>Ground</td></tr> <tr><td>5</td><td>Audio Right</td></tr> <tr><td>6</td><td>Serial Data (TX)</td></tr> <tr><td>7</td><td>Audio Ground</td></tr> <tr><td>8</td><td>Audio Left</td></tr> </tbody> </table>	1	Battery	2	Power Enable	3	Serial Data (RX)	4	Ground	5	Audio Right	6	Serial Data (TX)	7	Audio Ground	8	Audio Left
1	Battery																
2	Power Enable																
3	Serial Data (RX)																
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6	Serial Data (TX)																
7	Audio Ground																
8	Audio Left																

Description of Dock Controls, Connectors, and Mounting Connections	
Control/Connector/ Mounting Connection	Description
Locking Screw Hole	When the locking screw (C) is tightened into this hole, it secures the SIRIUS radio to the dock by preventing the release button from being pressed.
Pedestal Mount Mounting Holes	The pedestal mount is secured to the dock by attaching it with screws (A) to these holes.

Installation

It is recommended that prior to starting the installation, you read this installation section completely and then follow the instructions. In addition, consult the manual of the headunit to which you will be connecting the dock to determine any required installation configuration.

Installing the Dock

Selecting a Mounting Location

The SCVDOC1 SiriusConnect Dock can be mounted most anywhere in the vehicle: the glove box, the center console, under the dash, under a seat, in the trunk, etc. When you have selected a possible mounting location, test fit the dock with your SIRIUS radio in the dock to be sure it will fit in the selected location. If you will be taking the SIRIUS radio with you when you leave your vehicle, be sure there is enough clearance to remove the radio from the dock. If you intend to leave the SIRIUS radio permanently attached to the dock, you can mount the dock in a more inaccessible location.

When considering a mounting location, avoid the following locations:

- Any location where the SIRIUS radio could be exposed to moisture
- Any location where the SIRIUS radio could be exposed to extreme heat

Selecting the Mounting Method

There are two mounting options available for the dock. The various screws, rubber feet, and grommet referenced in the mounting methods are identified on page 8.

Method 1: Using the rubber feet **E** and grommet **F** (pre-installed on the dock) and securing the dock to the vehicle with the mounting screw **B**. (Figure 2) The rubber

feet and grommet prevent the dock from sliding when installed on a flat surface.

Method 2: Removing the rubber feet **E** and grommet **F** (pre-installed on the dock, see Figure 2) and attaching the pedestal mount to the dock using the four mounting screws **A**, and securing the pedestal mount to the vehicle using the adhesive on the pedestal foot. (Figure 3) You can also attach the pedestal by using two screws (not supplied) through the optional mounting holes in the pedestal foot.

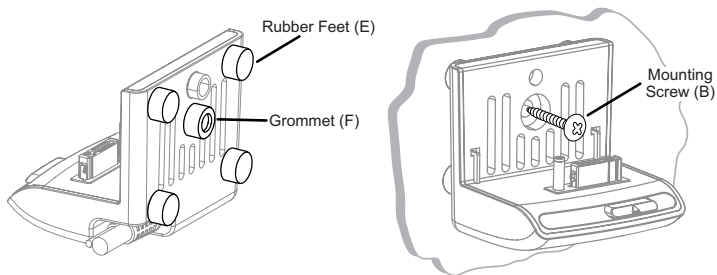


Figure 2

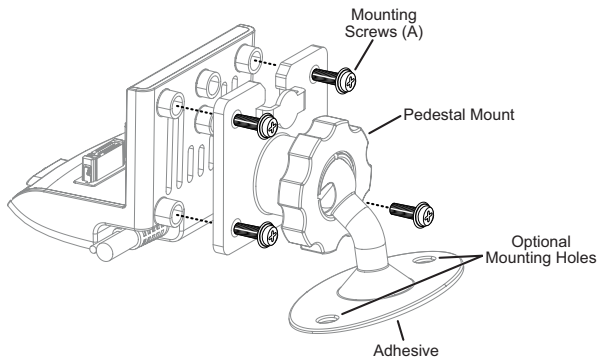


Figure 3

Attaching the Radio Adapter

When you have mounted the dock, you should attach the radio adapter for your SIRIUS radio to the dock. (Figure 4) There are three different radio adapters provided for the SIRIUS radios. One radio adapter is pre-installed on the dock but may need to be removed and replaced with the adapter for your particular SIRIUS radio. The different radio adapters are identified on page 7 and you should consult the compatibility chart on page 8 to identify the adapter for your SIRIUS radio.

Attach the radio adapter for your radio using the radio adapter mounting screw **D** (shown on page 8). When the radio adapter is properly fitted, the tabs on the rear of the adapter will align with the corresponding alignment holes on the dock. (Refer to Figure 1 on page 9 for the location of the alignment holes).

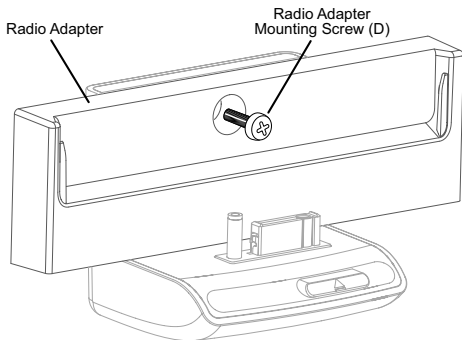


Figure 4

When the radio adapter has been attached to the dock, you can place your SIRIUS radio into the dock.

Installing the Locking Screw

If you will be permanently installing your SIRIUS radio in the dock, you can install the locking screw to prevent the SIRIUS radio from being removed from the dock. Install the locking screw **C** (shown on page 8) into the locking screw hole in the bottom of the dock. The location of the locking screw hole is shown in Figure 1 on page 9.

Connecting the Dock to the Headunit

The SCVDOC1 SiriusConnect Vehicle Docking Kit is designed to work with any Sirius-Ready or SAT Radio Ready headunit. Some headunits will require the use of a SiriusConnect Interface Adapter. Please consult your headunit manufacturer for more details concerning compatibility and interface availability. The SCVDOC1 can also be integrated into select factory audio systems. Please consult your retailer for interface

compatibility options.

Figure 5 shows a Sirius-Ready or SAT Radio Ready headunit using the provided 8-PIN DIN cable. Note that the headunit must be capable of directly communicating with the SCVDOC1 SiriusConnect Dock protocol.

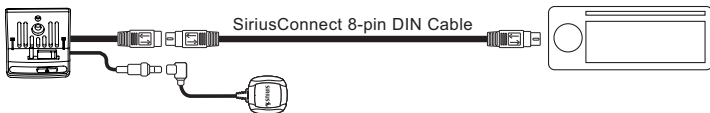


Figure 5

Figure 6 shows a Sirius-Ready or SAT Radio Ready headunit with an optional headunit specific connector/adaptor cable (not provided). Note that the headunit must be capable of directly communicating with the SCVDOC1 SiriusConnect Dock protocol.

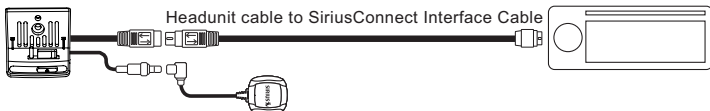


Figure 6

Figure 7 shows a Sirius-Ready, SAT Radio Ready, or select OEM headunits with optional SiriusConnect Interface translator (not provided). Note that 3rd party SiriusConnect interface adapters are available for select OEM and aftermarket headunits.

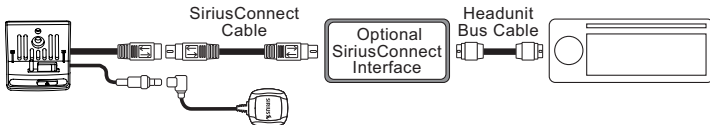


Figure 7

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 dock

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.

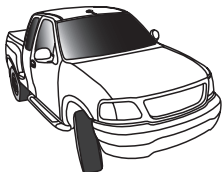
Figure 8 shows the optimal mounting location for the antenna on several types of vehicles. These mounting positions should be observed when installing the antenna:

- **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.

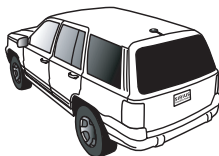
The antenna needs to have an **unobstructed area of 3 inches by 3 inches around it**. It is important to mount the antenna where no obstructions will block the antenna from receiving the SIRIUS signal. Objects which can obstruct the antenna could be a roof rack, a sunroof, a roof mounted cargo container,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



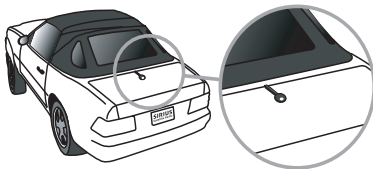
Sedan/Coupe



Pickup Truck



SUV/Mini-Van



Convertible

Figure 8

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 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.
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 9) and press the rubber cover/tail firmly into place on the vehicle (Figure 10).

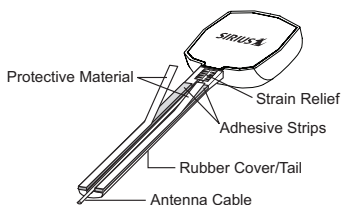


Figure 9

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.

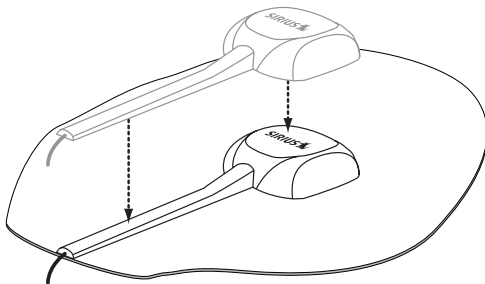


Figure 10

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 23
- **Pickup Truck** on page 23
- **SUV/Mini-Van** on page 23
- **Convertible** on page 23

Sedan/Coupe Antenna Cable Routing Procedure

Figure 11 shows how the antenna cable can be routed from the antenna to the dock 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.)

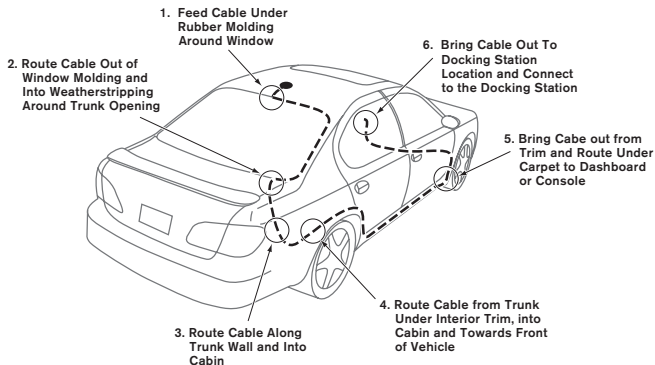


Figure 11

Pickup Truck Antenna Cable Routing Procedure

Figure 12 shows how the antenna cable should be routed from the antenna to the dock 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.)

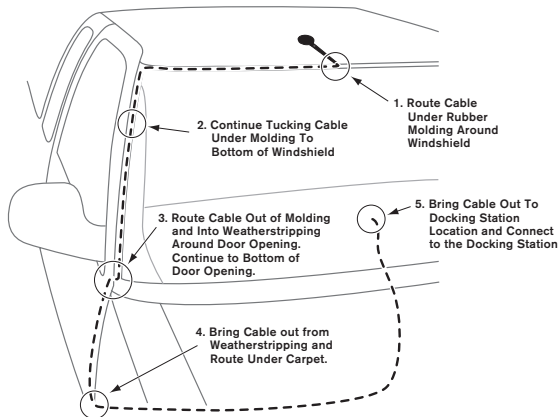


Figure 12

SUV/Mini-Van Antenna Cable Routing Procedure

Figure 13 shows how the antenna cable should be routed from the antenna to the dock 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.)

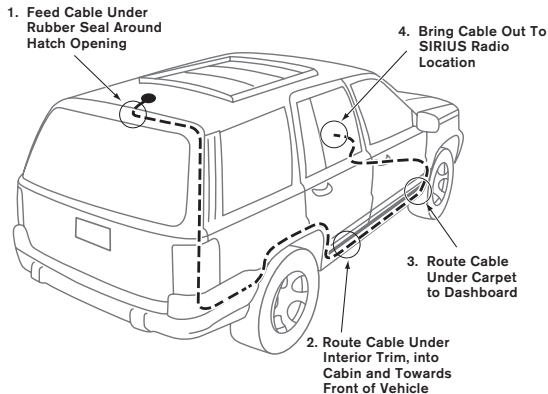


Figure 13

Convertible Antenna Cable Routing Procedure

Figure 14 shows how the antenna cable should be routed from the antenna to the dock 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.)

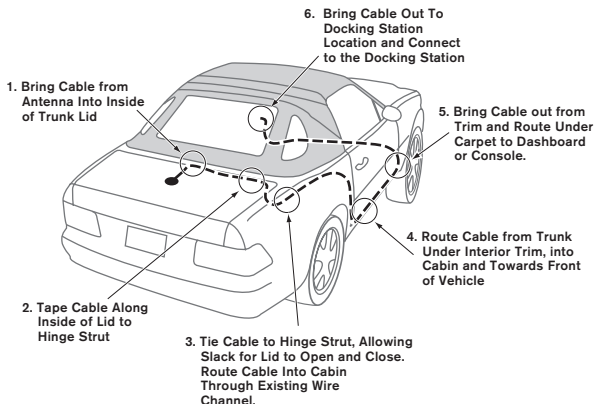


Figure 14

Operation

Before you can listen to the SIRIUS service, you need to subscribe to the Sirius Satellite Radio service if you have not done so already. Please be sure to follow the activation instructions for your specific Sirius radio as well as your headunit and/or SiriusConnect interface adapter instructions.

Place your SIRIUS radio into the dock (Figure 15), aligning the tabs at the edges of the radio adapter with the grooves in your SIRIUS radio. Gently push the radio down until it is fully seated in the dock. (Your radio may differ from the radio shown).

To remove the radio from the dock, press the release button (Figure 15) while pulling the radio out of the dock.

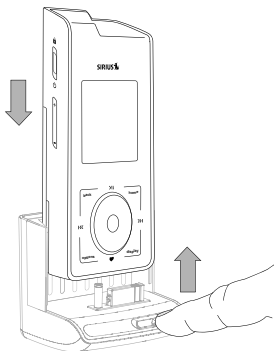


Figure 15

For operating instructions consult the owners manual of your headunit. Not all features of the Sirius radio (Dock & Play or Portable) may be accessible. The features will be determined by the controlling headunit capability.

When your SIRIUS radio is connected via the SCVDOC1 SiriusConnect Vehicle Docking Kit to your headunit, the buttons and controls of the SIRIUS radio will be disabled, and a SiriusConnect message or logo will be displayed.

If you will not be removing the SIRIUS radio from the dock and want to lock the radio in the dock so it cannot be removed, insert the locking screw **C** (shown on page 8) in the locking screw hole in the bottom of the dock. (Figure 16)

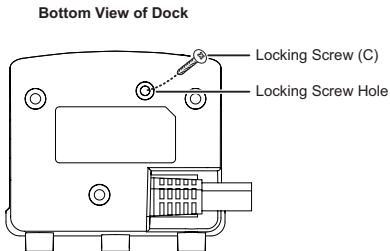


Figure 16

Specifications

Power Requirements	11-16 VDC, 1A
Operation Temperature	-5° to +40° C (23° to 104° F)
Signal-to-noise (S/N) (with radio connected)	>73dB
Output Level (with radio connected)	1.0v RMS
Antenna Type	Low Profile Magnetic
Antenna Cable Length	21' (single micro-cable)
Antenna Connector Type	SMB
Data Interface	8-PIN DIN Control Port (audio, power, serial control)
SiriusConnect 8-PIN DIN Cable Length	4.5m
Dock Dimensions (Height x Width x Depth)	48mm x 55mm x 49mm
Radio Adapter 1 Dimensions	32.5mm x 55mm x 13.5mm
Radio Adapter 2 Dimensions	33mm x 118mm x 12.5mm
Radio Adapter 3 Dimensions	33.5mm x 55mm x 18.5mm
Radio Adapter 4 Dimensions	33.5mm x 55mm x 24mm



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SCVDOC1 (SCVDOC1021208a)
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