



**SC-H1**

**SIRIUS SATELLITE RADIO TUNER**

Installation Guide



## **Congratulations on your purchase of the SIRIUS Connect SC-H1 Satellite Radio Tuner!**

Your new SC-H1 SIRIUS Connect Tuner is designed to work with SIRIUS-ready receivers. Check the SIRIUS website for model compatibility.

### **What is SIRIUS Satellite Radio?**

**Over 120 channels of the best entertainment and completely commercial-free music for your car, home or office.**

Only SIRIUS has more than 65 original music channels, from today's hits to R&B oldies to classical masterpieces. From authentic country and real bluegrass to cool jazz, hot latin, reggae, rock and many more. Best of all, it's all completely commercial-free.

SIRIUS also has more than 55 channels of world-class sports, news and entertainment. Included as part of your subscription, you get up to 16 NFL games a week, up to 40 NBA games a week and up to 40 NHL games a week. (Games are broadcast during their respective seasons.) Coupled with great sports news from ESPN, the SIRIUS sports offering is unrivaled. And don't forget a host of other great news and entertainment, like NPR, CNBC, Fox News, Radio Disney and E! Entertainment Radio. For more information, visit [www.sirius.com](http://www.sirius.com).



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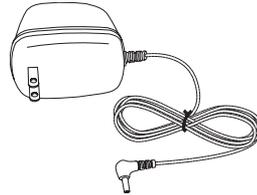
## Package Contents

- A** SC-H1 SIRIUS Connect Tuner
- B** Windowsill Antenna
- C** AC Power Adapter
- D** DIN Cable

**A**



**C**



**B**



**D**





## WARNING

**This symbol means important instructions. Failure to heed them can result in serious injury or death.**

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.

**MAKE THE CORRECT CONNECTIONS.** Failure to make proper connections may result in fire or product damage.

**DO NOT SPLICE INTO A ELECTRICAL CABLES.** Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

**DO NOT INSTALL THE UNIT IN AREAS WHERE THERE ARE 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.

**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.
- Consult the dealer or an experienced technician for help.



## CAUTION

**This symbol means important instructions. Failure to heed them can result in injury or material property damage.**

**HALT USE IMMEDIATELY IF A PROBLEM APPEARS.** Failure to do so may cause personal injury or damage to the product. Return the tuner to your authorized retailer or nearest service center for repairing.

**INSTALL THE 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 THE SPECIFIED ACCESSORY PARTS AND INSTALL THE PRODUCT SECURELY.** Be sure to use only the specified accessory parts. Use of non-specified parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose, resulting in hazards or product failure.

## Installation

It is recommended that prior to starting the installation, you read this installation section completely and follow the instructions. In addition, consult the manual of the audio device to which you will be connecting the SC-H1 Tuner to determine the required installation configuration:

- If power for the SC-H1 Tuner is not provided by your audio device via the DIN cable connection, you will need to use the provided AC Power Adapter to provide power for the SC-H1 Tuner.
- If audio input from the SC-H1 Tuner is not supported via the DIN cable connection of your audio device, you will need to connect the audio output of the SC-H1 Tuner to your audio system via the RCA-type or Optical audio output connectors of the tuner. (You will need to purchase the appropriate cable separately.)

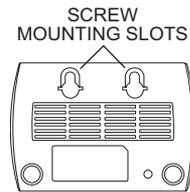
### Mounting the SC-H1 Tuner

Consider the mounting location carefully to

be sure that you avoid the following:

- Any location where the tuner is exposed to moisture.
- Any location where the tuner is exposed to extreme heat.

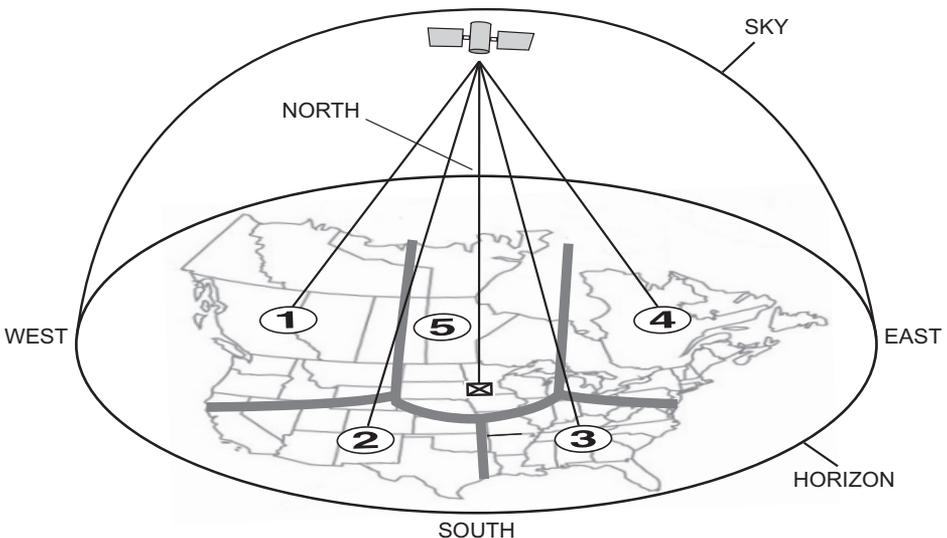
The tuner may be mounted on a wall with #10 screws, using the slots on the underside of the tuner to hang on the tuner on the screws. Alternately, the tuner may be placed on any flat surface.



### Installing the Antenna

Proper installation of the windowsill antenna is important for consistent satellite signal reception.

For correct operation and best reception of the SIRIUS signal, it is important that the



antenna is located in a place where it will have a clear view of the SIRIUS satellites in the sky. Obstructions such as bushes, trees, other homes or buildings, overhangs, soffits, chimneys, gables, dormers, etc., will impair or prevent the antenna from receiving a signal.

The best reception is obtained if the antenna is located outside, and where the pod portion of the antenna (where the SIRIUS logo is printed) has a clear 360 degree view of the sky.

If you cannot obtain a clear 360 degree view of the sky outdoors, or you will be locating the antenna indoors, then you will need to place the antenna in a window (or outdoor location) which has a clear view of the sky in the direction of the satellites, and aim the antenna in the direction of the satellites, as shown in the diagram on the previous page.

Use the map in the diagram on the previous page to find the area in which you are located (1 to 5). Then find the direction in which you need to have a window (or outdoor location) with a clear view of the sky:

**Area 1:** You will need a window/location with a clear view of the sky facing **EAST** or **NORTHEAST** or **SOUTHEAST**

**Area 2:** You will need a window/location with a clear view of the sky facing **NORTH** or **NORTHEAST**

**Area 3:** You will need a window/location with a clear view of the sky facing **NORTH** or **NORTHWEST**

**Area 4:** You will need a window/location with a clear view of the sky facing **WEST** or **NORTHWEST** or **SOUTHWEST**

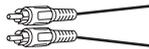
**Area 5:** You will need a clear view of the sky facing **STRAIGHT UP** (Antenna cannot be located indoors)

For example, suppose you live in **Area 2**. You determined that your antenna will need to have a window (or outdoor location) with a clear view of the sky facing **North** or **Northeast**. The exact direction is determined by your specific location in **Area 2** relative to the **X** on the map; If you live in Texas, you will need a more **North** facing clear view of the sky whereas if you live in southern California, you will need a more **Northeast** facing clear view of the sky.

(In major US cities, you may be able to receive the SIRIUS signal from the SIRIUS ground repeaters, which would allow you to place the antenna away from a window if the signal is strong enough.)

When you have installed the antenna in a suitable location, check the signal strength display of your SIRIUS-ready receiver to verify that you are receiving a suitable signal. (Consult the user guide of your specific receiver for instructions on how to access the signal strength display.) A minimum of 3 bars of either satellite (SAT) or terrestrial (TER) signal strength is required for consistent reception. If you are not obtaining at least three bars, try adjusting the antenna by changing the aiming in small increments to see if you can obtain better signal reception.

AUDIO OUTPUT L/R  
(OPTIONAL, CABLE  
NOT INCLUDED)



DIN CABLE  
TO SIRIUS-READY  
RECEIVER



OPTICAL LINK  
(OPTIONAL, CABLE  
NOT INCLUDED)



If the tuner loses reception at times, this is indication that the antenna is not aimed in the optimal direction. Try adjusting the antenna by changing the aiming in small increments to see if you can obtain consistent signal reception.

If you are having trouble locating your antenna in a place for optimal signal reception, please visit your retailer or our website <http://sirius.com> for information on signal distribution accessories that let you use RG6 coax cable, your existing in-home wiring, and other technologies to connect your SC-H1 Tuner to the antenna. These other options allow for placement of the antenna with the best view of the sky regardless of the location of your SC-H1 Tuner.

### Wiring the SC-H1 Tuner

The SC-H1 Tuner should be wired as shown in the diagram below, using the supplied DIN cable.

Note that the AC Power Adapter is used only when your SIRIUS-ready receiver does not supply power to the tuner via the DIN cable connection. Also, if your SIRIUS-ready receiver does not support audio input via the DIN cable connection, then the audio output may be connected to your sound system using the RCA-type audio

connections, or the optical cable link on the tuner.

Please consult your audio equipment manuals for the wiring connections needed for the SC-H1 Tuner to operate with your particular equipment.

### Activating Your SIRIUS Subscription

You must activate the SC-H1 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 may be found on a sticker located on the SC-H1 packaging, or on the bottom of the tuner itself. The label will have printed on it a 12-digit SID number. When you have located the SID, write it down in the space provided near the end of this manual.

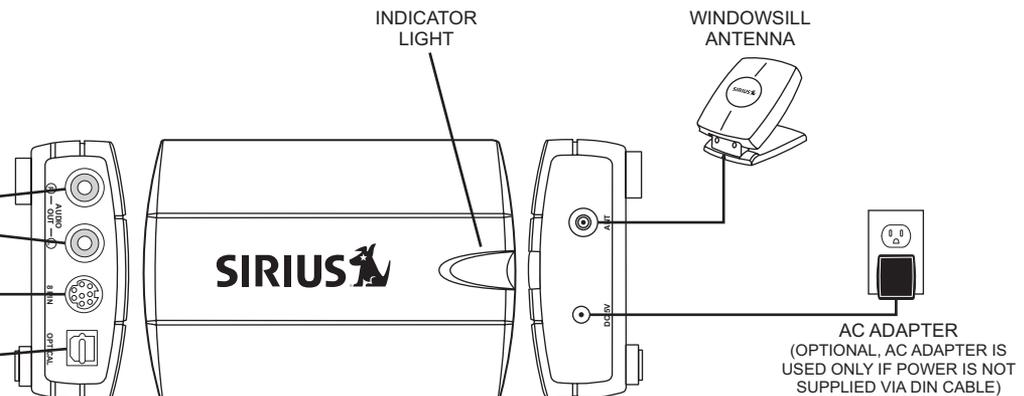
Contact SIRIUS on the Internet:

<https://activate.siriusradio.com/>

Follow the prompts to activate your subscription, or you can also call SIRIUS toll-free at:

**1-888-539-SIRIUS** (1-888-539-7474).

Once the subscription process is completed, your SC-H1 Tuner is ready to use. Refer to the owners manual for your SIRIUS-ready receiver for further instructions on how to use your SC-H1



## Operation

Consult the owners manual of your SIRIUS-ready receiver for operating instructions.

The SC-H1 Tuner has an indicator light which provides basic status information about the tuner. When the tuner is first powered on, this light will be red to indicate the tuner is receiving power. After the initial power-on indication, the light will provide

the following status information:

**Steady Red:** Initial power-on indication.

**Flashing Red:** Indicates that the antenna is not connected to the Tuner.

**Steady Amber:** Indicates that the antenna is connected to the Tuner, but no signal is being received.

**Steady Green:** Indicates that the Tuner is functioning properly and receiving a



## Specifications

### Operational Frequencies

Satellite .....2322.293/2330.207 MHz

Terrestrial .....2326.250MHz

Power Requirements ..... 5 Volts DC

Dimensions ..... 1" x 2.6" x 3.6" (WxHxD)  
26mm x 66mm x 92mm (WxHxD)

Antenna Type ..... Windowsill

Antenna Cable Length..... 21' (single micro-cable)

Connector Type ..... SMB

Audio Interface ..... RCA-type Stereo L/R Connectors  
Optical Link Connector

Audio Output.....0.75v, 550 Ohm

Signal to Noise Ratio .....80dB

Weight ..... 0.1 kg. (3.5 oz.)

Included Cable..... 8-Pin DIN Cable

**Note:** Design and specifications are subject to change without notice.

**Please write down your SIRIUS IDs in the space provided below:**

**SIRIUS Radio Service SID:** \_\_\_\_\_

**SIRIUS Customer Service: 1-888-539-7474**



**SIRIUS Satellite Radio**  
**1221 Avenue of the Americas**  
**New York, NY 10020**  
**(888) 539-7474**  
**[www.sirius.com](http://www.sirius.com)**