



SC-H1

SIRIUS SATELLITE RADIO CONNECT 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.



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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.)

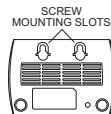
Mounting the SC-H1 Tuner

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.

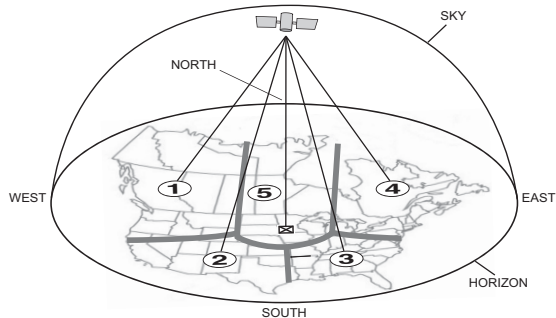
The tuner may be mounted on a wall with #10 screws, using the slots on the underside of the tuner to hang on the tuner on the screws. Alternatively, the tuner may be placed on any flat surface.



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.

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 RG 6 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.

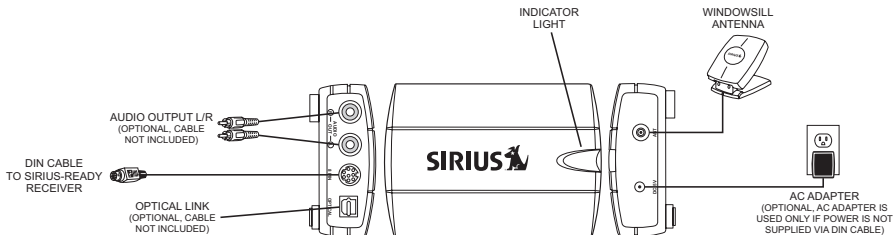
In order to activate your radio subscription, you will need the SIRIUS ID (SID) which uniquely identifies your tuner. The SID may be found on a sticker located on the SC-H1 packaging, or on the bottom of the tuner itself. The label will have printed on it a 12-digit SID number. When you have located 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 Tuner.



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 good signal.

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 Window sill

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

12 MONTH LIMITED WARRANTY

Sirius Satellite Radio warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor. To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the location shown below under **WARRANTY RETURN**.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or to damage to tapes, compact discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 48 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

WARRANTY RETURN: To obtain repair or replacement within the terms of this Warranty, please return product to an authorized Directed Electronics Dealer or call (800) 869-5590; proof of purchase and description of defect are required. Products to be returned to an approved warranty station must be shipped freight prepaid.



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