



TOY-SC1

Toyota/Lexus/Scion

SIRIUS Interface

Installation Guide



FCC NOTICE:

This device complies with Part 15 of FCC rules. Operation is subject to the following 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Directed Electronics is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment.

Table of Contents

FCC Notice	2
Warning and Safety information	4
Congratulations and Package Contents	6
Compatibility and Features	7
Installation	10
Connections	11
Mounting Instructions	13
Activating Your Installed SIRIUS Tuner	14
Operating the system	15
Toggling audio levels	16
Examples of factory units	17
Troubleshooting Guide	19
System message reporting	20
Warranty	23

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Warning and Safety Information



Warning

Please read these instructions carefully before proceeding. Failure to heed them can result in serious injury or death. DO NOT OPERATE EQUIPMENT UNDER ANY CIRCUMSTANCES THAT IMPAIRS YOUR ABILITY TO DRIVE OR OPERATE YOUR VEHICLE SAFELY.

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.
- USE THE CORRECT CURRENT (AMPERAGE) RATING WHEN REPLACING FUSE. Failure to do 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 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 IN LOCATIONS THAT MIGHT HINDER VEHICLE OPERATION. Doing so may obstruct vision or hamper movement which can result in a serious accident. 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 clear from moving parts, fuel or break lines, wire harnesses or any other items which may get damaged by drilling a mounting hole or using the supplied screws.
- DO NOT EXPOSE THE UNIT TO HIGH LEVELS OF HUMIDITY, MOISTURE OR DUST. Doing so can result in electric shock or product failure.

Warning and Safety Information



Caution

Please read these instructions carefully before proceeding. Failure to follow these safety instructions and warnings may result in a serious accident and/or personal injury.

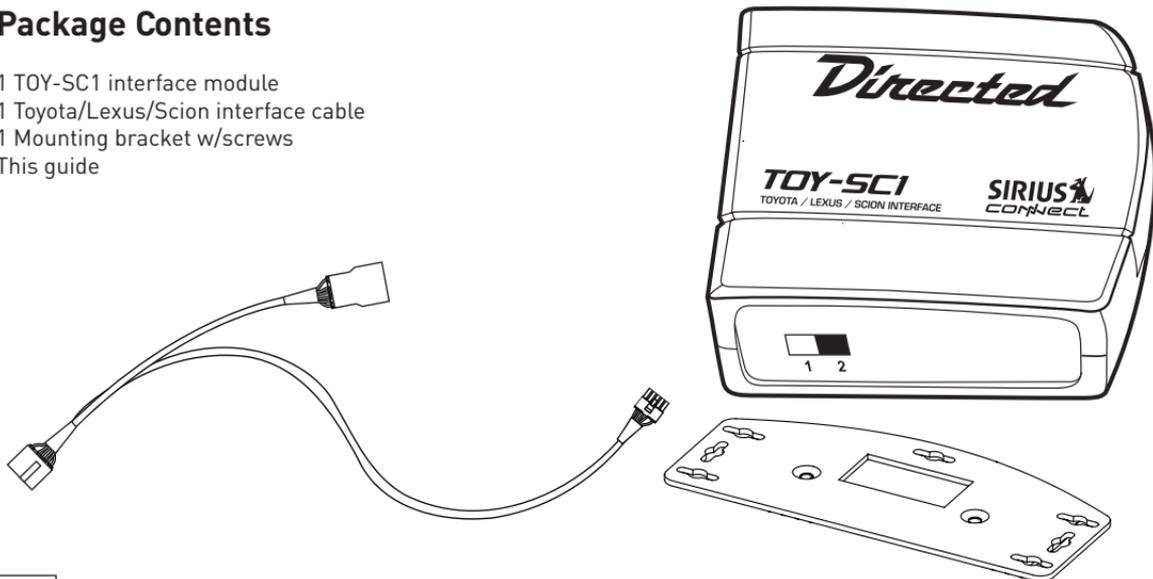
- **HALT USE IMMEDIATELY IF A PROBLEM ARISES.** Failure to do so may cause personal injury or damage to the product. Return the unit to your authorized retailer or nearest service center for repairing..
- **ENSURE THE WIRING UPON INSTALLATION IS NOT CRIMPED OR PINCHED BY SCREWS OR SHARP METAL EDGES.** 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 ONLY THE SPECIFIED 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.
- **USE CAUTION IF or WHEN DISCONNECTING 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.

Congratulations

Congratulations on the Purchase of your new TOY-SC1 SiriusConnect Interface! Your TOY-SC1 is designed to be compatible with select vehicles that support Satellite Radio operation (requires additional purchase of & connection to a SiriusConnect tuner or dock). Your interface is designed to replace the factory satellite tuner in your Toyota, Lexus or Scion vehicle. It is also compatible with systems that do not have the factory satellite tuner installed. For the latest information about this and other SIRIUS products and accessories, visit <http://www.directedsirius.com>.

Package Contents

- 1 TOY-SC1 interface module
- 1 Toyota/Lexus/Scion interface cable
- 1 Mounting bracket w/screws
- This guide



Toyota/Lexus/Scion SIRIUS Interface

Compatibility

The TOY-SC1 is designed to be compatible with select Toyota/Lexus vehicles. Please consult table for compatibility listing.

Compatible Headunit Types:

- CD only Headunits*
- CD + Cassette Headunits*
- 6-CD changer Headunits*
- Touch Screen Monitor Headunits
- Non-Touch Screen Monitor Headunits

***Note** that the units must have a "SAT" button to access SIRIUS audio modes.

In addition, the TOY-SC1 is compatible with most additional factory audio accessories that might be included, such as:

- Rear Seat Audio Control Center
- Rear Seat Entertainment (DVD/Monitor) System
- Heads up display (HUD)
- Steering wheel controls

Note that the TOY-SC1 is not compatible with the factory satellite radio antenna that might be installed in the vehicle. For best operation you must install a SIRIUS compatible antenna as supplied with the compatible SiriusConnect tuner or dock.

List of compatible vehicle/radio types:

MAKE	MODEL	YEAR
Lexus	IS 250/350	2006+ 6-Disc MP3
Lexus	ES 330	2004+ 6-Disc + Tape
Lexus	ES 350	2008+
Lexus	GX 470	2007+
Lexus	GS 300/350 & GS 430/460/450h	2006+
Lexus	LS 430	2004+ 6-Disc + Tape
Lexus	LX 470	2005+ w/Navigation
Lexus	RX 330/350/400h	2006+ 6-Disc, MP3 + Tape
Toyota	4 Runner	2006+ 6-Disc, JBL NAV, JBL Synth 6-Disc
Toyota	Avalon	2005-2007
Toyota	Camry	2005+ 6-Disc + Tape, JBL 6-Disc, NAV
Toyota	Corolla	2008+
Toyota	FJ Cruiser	2007+ All
Toyota	Highlander	2008+

Toyota	Land Cruiser	2005+ w/Navigation
Toyota	Prius	2005+ All
Toyota	Rav-4	2007+ JBL
Toyota	Sienna	2007+ JBL, NAV
Toyota	Solara	2004+ 6-Disc + Tape
Toyota	Tundra	2007+ All
Scion	xA	2004+ All
Scion	xB	2004+ All
Scion	tC	2004+ All
Scion	xD	2008+

Features

The TOY-SC1 is designed to emulate many of the factory SDAR (Satellite Digital Audio Radio) commands found in your vehicle.

- Channel Tune (Up and Down)
- Fast Tune (Up and Down)
- Category Search (Up and Down)
- Category Tune (Tune within a category)
- 12 presets (6 for each band)
- Preset Scan (UP)

Note about features listed: Each Toyota/Lexus/Scion radio type operates differently, so consult the vehicle owners manual for proper operation methods.

Headunit Display Capability

When the TOY-SC1 is installed, the following information can be displayed on the headunit display.

- Channel Number
- Channel Name
- Category Name
- Artist Name
- Song Title Name

Note: Number of characters displayed varies by headunit type (8 -16 Characters).

Text Scrolling Configuration

Text Scrolling and/or Paging can be enabled or disabled during installation of the HON-SC1. Enabling scrolling will allow radio types with limited displays to show complete text strings for artist name or song title. Text scrolling should be disabled for radios with large displays where it isn't needed. The unit is set for text scrolling enabled at the factory.

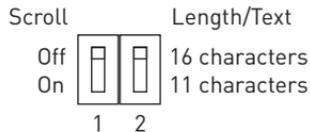
Note: Some Toyota/Lexus headunits will display "XM1" or "XM2" as the display source. This information is hard coded

in the headunit design and can not be changed.

Dip Switch Settings

Two dip switches located on the side panel are used to configure the unit for correct display to match your headunit. Labeled **1** and **2** for text scroll and display length settings respectively.

Text display switch configuration:



1. Set dip switch **1** to Scroll ON/ Scroll OFF as follows:
 - a) Radios with media or navigation displays: OFF (up position)
 - b) For radios with smaller text displays, set switch 1 to ON (down) if text scrolling is desired.
2. Set dip switch **2** to the up position for the 16 character setting or to the down position for the 11 character position in order to match the display of your specific radio.

Note: The default settings from the factory are scroll "Off" and "16 characters". In order for text display configuration switch settings to take effect, you must disconnect power

to the TOY-SC1 module then reconnect and turn ignition on again.

Installation

Directed Electronics recommends that you have this product professionally installed. It is recommended that prior to starting the installation, you thoroughly read this manual and follow the guidelines listed below:

Some installations may use the factory satellite radio tuner location. If you are using this location, please follow the factory instructions for installing the TOY-SC1 in your vehicle. If you are not using this location, please read the following installation guidelines.

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

- Any location where the unit is exposed to moisture.
- Any location where the unit is exposed to extreme heat.
- Any location that would interfere with moving parts on the vehicle or hamper driving.

Mounting the TOY-SC1 Interface: Be sure that you find a location that is flat and has clearance above the unit to prevent any damage as well as allow for ventilation.

Do not install the TOY-SC1 under the carpet or in a small enclosed area without proper ventilation. Doing so can result in damage to the tuner or the vehicle.

Use the supplied screws to securely fasten the unit.

Note: Please refer to the SIRIUS SCC1 or SCVDOC1 manuals for additional installation instructions needed to complete the system

Connections: When connecting to a SiriusConnect Vehicle Tuner.

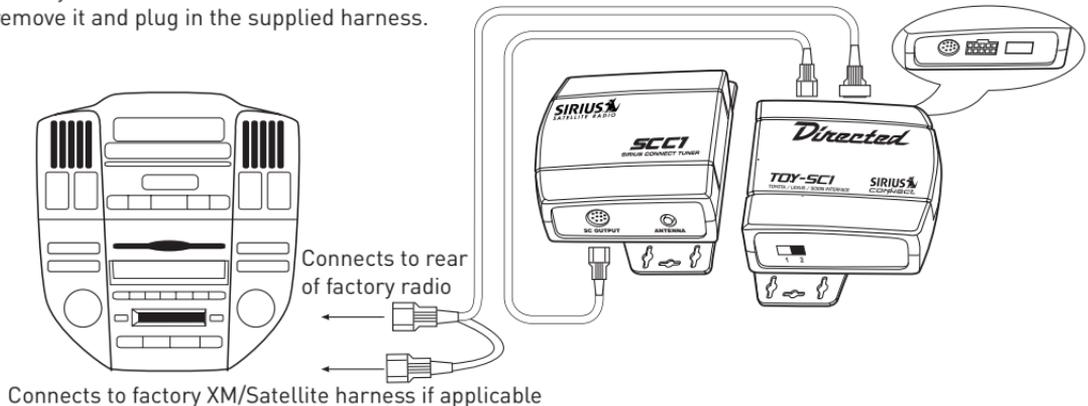
Note: You must cycle ACC power in the vehicle on & off once before radio will recognize the SIRIUS tuner interface.

- 1 For cars equipped with XM, locate tuner, disconnect it and connect factory cable to the TOY-SC1 interface using the supplied cable, provided the connectors match.
- 2 For vehicles not equipped with XM, remove radio and connect the supplied cable to the rear of the radio.
- 3 If the radio already has a harness connected to the satellite plug, remove it and plug in the supplied harness.

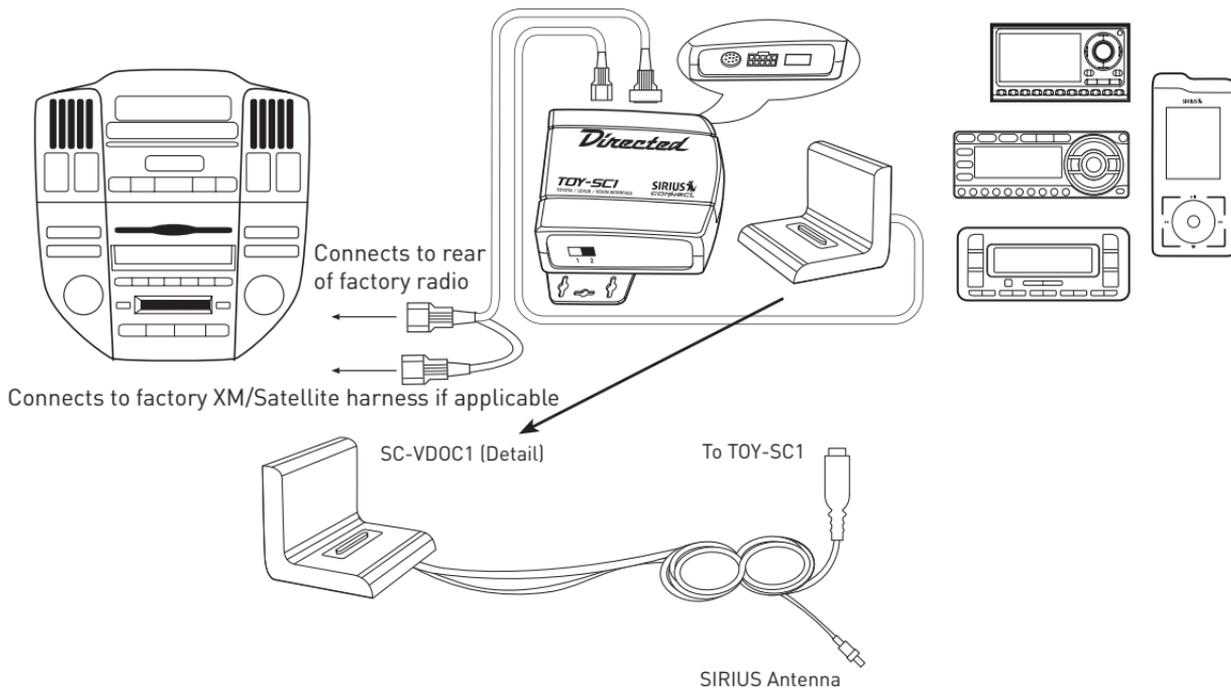
Reconnect the factory harness to the extra plug on the supplied harness.

Note: XM tuner must always be disconnected for proper operation.

CAUTION: Some receptacles on other modules such as the Tire Pressure Module may be identical to the one on the Radio. Use caution to ensure that the receptacle you are connecting to is the correct one.

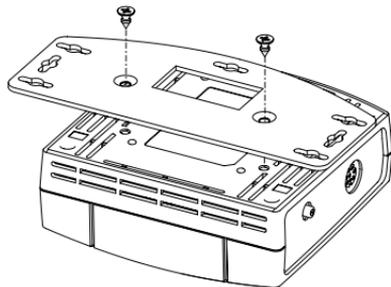


Connections: When connecting to a SiriusConnect Dock (SCVDOC1).



Mounting Instructions

Mounting TOY-SC1 Bracket Assembly



Mounting TOY-SC1 with SIRIUS SCC1 Bracket Assembly

