



# **SUBX1**

## **SIRIUS Plug and Play Boombox**

For use with most newer SIRIUS Plug and Play Receivers

## **User Guide**

## **Congratulations on the Purchase of your new SUBX1 SIRIUS Plug and Play Boombox!**

Your new SUBX1 SIRIUS Plug and Play Boombox lets you enjoy SIRIUS® Satellite Radio's digital entertainment in your home, office, or other location. Use this manual as a guide for the installation.

The Boombox will work with most newer SIRIUS plug and play satellite receivers. See your Plug and Play user manual for specific product compatibility.

For the latest information about this and other SIRIUS products and accessories, visit <http://www.sirius.com>.



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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.

- Installation must be performed according to this installation guide. SIRIUS is not responsible for issues arising from installations not performed according to the procedures in this guide.
- Use only the provided AC Power Adapter.
- Do not install the unit where it will be exposed to high levels of humidity, moisture, or dust.
- To avoid short circuits, do not open the unit, and never put or leave any metallic objects (coins, tools, etc.) inside the unit.
- If the unit emits smoke or unusual odors, turn the power off immediately, and disconnect the unit from any power source.
- Do not drop the unit or subject it to strong shocks.
- The installation and use suggestions contained in this manual are subject to any restrictions or limitations that may be imposed by applicable law. The purchaser should check applicable law for any restrictions or limitations before installing and/or operating this unit.

## Warnings

### **Cleaning and Maintenance**

If the Boombox becomes dirty, turn the power off and wipe it clean with a soft cloth. Do not use hard cloths, strong cleaning fluids, paint thinner, alcohol, or other volatile solvents to clean. These may cause damage to the unit.

# Copyrights & Trademarks

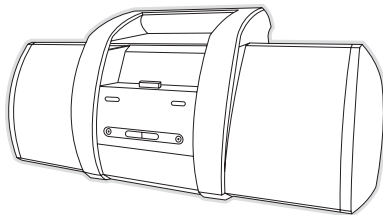
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® "SIRIUS", the SIRIUS dog logo, channel names and logos are trademarks of SIRIUS Satellite Radio Inc. All Rights Reserved.

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.

# Package Contents

The following items are included with your purchase of the SUBX1 SIRIUS Plug and Play Boombox. Unpack the kit carefully and make sure that everything shown is present. If anything is missing or damaged, or if the Boombox 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 boombox in the future.



**Boombox**



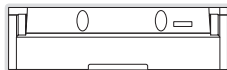
**AC Adapter**



**Power Cord**



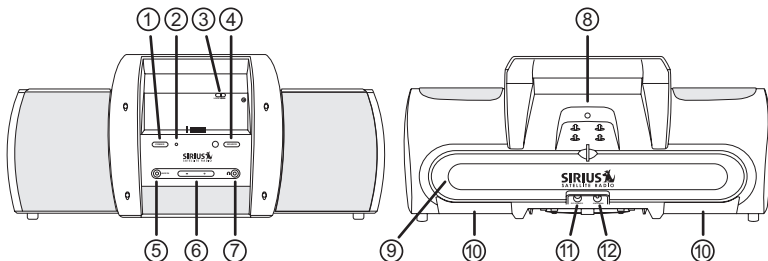
**Indoor/Outdoor Antenna**



**Docking Adapter**

# Controls

Figure 1 and the section following identify and describe the buttons and connectors of the Boombox.



**Figure 1**

1. **Power On/Off Button:** Turns the Boombox power On or Off.
2. **Power On/Low Battery Light:** This light is green when the Boombox is powered on. The light will turn red when the batteries in the Boombox are nearly discharged and need replacement.
3. **Lock Button:** Locks the SIRIUS receiver or Docking Adapter in the Boombox
4. **Source Button:** Switches audio output between the SIRIUS receiver and the AUX input.
5. **AUX Connection:** Input connection for audio from an external device, such as an MP3 player, CD Player, etc.
6. **Volume Up/Down Buttons (+/-):** Increases or decreases the volume level.
7. **Headphone Connection:** Stereo headphone jack for private listening to Boombox.
8. **Antenna Storage:** Storage area for the Indoor/Outdoor Antenna.
9. **Cable Storage:** Storage area for the antenna cable.
10. **Battery Compartments:** Battery compartments for a total of eight "D" size cells.
11. **DC5V Power Connector:** Connection for the AC Power Adapter.
12. **ANT Antenna Connector:** Connection for the Indoor/Outdoor Antenna.

# Installation

## Docking the SIRIUS Receiver

If your receiver is a SIRIUS Plug and Play series ST or SV, you will need to install the Docking Adapter provided with the kit. Refer to Figure 1 and install the adapter into the front of the Boombox, positioning it behind the docking connector and against the backrest. Then slide the **Lock** button to the left to lock the adapter in the Boombox. The receiver may now be placed into the Boombox, pressing the receiver down until it is fully seated.

For other SIRIUS Plug and Play receivers, place the receiver into the Boombox, aligning the connector on the receiver with the connector on the boombox, and gently press the receiver down until it is fully seated in the dock. Then slide the **Lock** button to the left to lock the receiver in the Boombox.

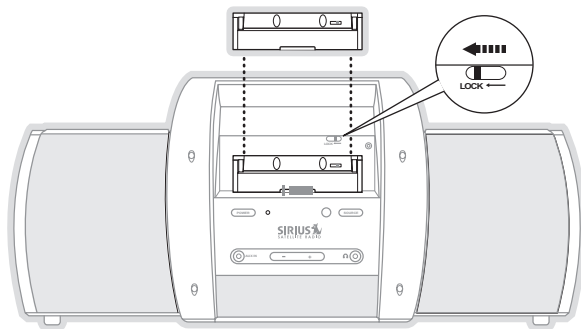


Figure 1



## Installing the Indoor/Outdoor Antenna for Indoor Use

When using the boombox indoors read this entire section before installing the indoor/outdoor antenna.

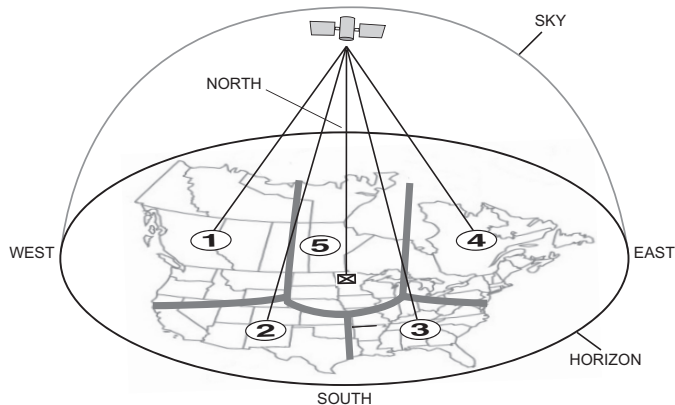
To ensure consistent reception of the SIRIUS signal indoors, it is important that the antenna be oriented correctly. Note the following considerations for antenna placement:

**BEST** reception can be achieved by placing the antenna outside on the roof, with a clear 360 degree view of the sky. This position will afford the best view of the sky for best reception. When placed in this location, an antenna extension cable may be required.

**BETTER** reception can be achieved by placing the antenna outside a window, or by mounting it to the side of the house. In either case, try to achieve the best possible clear view of the sky.

**GOOD** reception can be achieved by placing your antenna in a window. Try to achieve a clear unobstructed view of the sky. If your location is in major metropolitan area, the antenna may be located inside the home because terrestrial transmitters are used to boost signal strength.

If you cannot obtain a clear 360 degree view of the sky (**Best**), then for the **Better** and **Good** installations you must at least have a clear view of the sky in the direction of the SIRIUS satellites, as shown in the following map diagram. (Figure 2)



**Figure 2**

Use the map to find the area you are located in (1 to 5). Then find the direction in which you need to have a clear view of the sky:

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

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

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

**Area 4:** You will need a window or outdoor 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** (Outdoors only)

Choose a mounting location for the antenna which has an unobstructed view of the sky in the direction for your area.

For example, suppose you live in **Area 2**. You determined that your antenna will need to have 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.

Once you have found a suitable location for the antenna, route the antenna cable to the Boombox. Be sure you avoid any obstructions that could crimp, kink, or twist the cable. Use protective grommets wherever rough openings are encountered. If the antenna is installed outdoors, route the cable from the antenna location to the interior of the home, working the cable through the basement, under a window sill, etc., and make adjustments to take up cable slack as necessary. Connect the antenna cable to the **ANT** connection on the rear of the boombox. (Figure 1) Optional antenna extension cables are available if needed. Refer to the **Optional Accessories** section for more details.

### Testing and Optimizing the Antenna Signal Strength

The stronger the SIRIUS signal strength, the less likely it is that you will experience an interruption of the audio when listening to a broadcast. To assist you in adjusting the antenna aiming for optimal reception, your SIRIUS receiver can display a screen similar to Figure 3 showing the strength of the SIRIUS signal being received.

To access the antenna aiming or signal indicator screen, consult the manual which accompanied your SIRIUS receiver. The SATELLITE portion of the display screen (Figure 4) shows the strength of the signal being received from the satellite, while the TERRESTRIAL portion of the display screen shows the strength of the signal being received from terrestrial based transmitters, if available. Make small adjustments to the aiming of the antenna until you achieve the strongest possible signal.

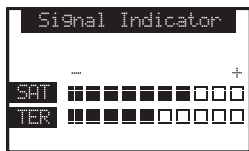


Figure 3

## Connecting the AC Power Adapter

Connect the AC Power Adapter to the **DC5V** connector at the rear of the Boombox (Figure 1). Connect the AC power cord to the AC Power Adapter and plug it into an AC outlet.

## Subscribing to the SIRIUS Service

If you have not yet subscribed your receiver to the Sirius Satellite Radio service, you'll need to subscribe before you can listen to your receiver. To subscribe, do the following:

1. Be sure that the SIRIUS receiver is correctly installed as described in this manual, is in the Boombox, and that the antenna is oriented to receive the SIRIUS signal.
2. Turn the receiver on. After the startup sequence, it will update the SIRIUS channel lineup. Wait until the channel updates have completed before pressing any buttons.
3. Once the channels have been updated, the display will change to *Call 1-888-539-SIRIUS to Subscribe* and will tune to channel 184. You will not be able to listen to other channels until you activate your SIRIUS subscription.
4. Use the receiver's channel up/down buttons to tune to channel **0** to display the receiver's unique 12-digit SIRIUS ID Number (SID). You can also tune to channel **0** by using the remote control: Press the **Select** button then the **0** (zero) button and then press the **Select** button again. The SID number is also available on the receiver's packaging, and may also be accessed by pressing the **MENU** button and selecting *Sirius ID*. Write the SID number down in the space provided near the end of this guide.
5. Have your credit card handy and contact SIRIUS on the Internet at:

<https://activate.siriusradio.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).

6. When you have successfully subscribed to the SIRIUS service, and the receiver has been updated with your subscription information, an alert will be displayed. To continue, press the **Select** button.

You are now ready to begin enjoying SIRIUS Satellite Radio's digital entertainment, and can tune to other channels!

# Operation

Once the Boombox has been installed according to the installation directions, power on the Boombox by pressing the Power On/Off button on the front panel. The light on the front panel of the Boombox should light green to indicate the power is on. If the receiver does not power on at the same time, press the Power On/Off button on the receiver.

You should hear the SIRIUS audio. If you do not, adjust the volume of the Boombox by pressing the Volume Up button on the front panel.

If you want to listen to an external audio device such as an MP3 player or CD player through the Boombox, do the following:

1. Initially set the volume level on the audio device to mid-range.
2. Connect the output of the audio device to the **AUX** connection at the front of the Boombox. Press the **Source** button to select the AUX input.
3. Adjust the volume on the audio device to obtain satisfactory audio output from the Boombox. If the sound is distorted, lower the volume level on the audio device.

If the light on the front panel should turn red while the Boombox is powered on, this indicates that the battery power is low. Replace the batteries.

# Troubleshooting

Symptom	Solution
Boombox does not power on	<p>The AC Power Adapter is not connected, or the AC outlet into which it is plugged is not working. Check that the AC Power Adapter is connected to the Boombox. Try plugging the AC Power adapter into a different outlet.</p> <p>Batteries are not installed, are installed incorrectly, or are bad. Install new batteries, if necessary, observing the correct polarity.</p>
Boombox does not operate on batteries	<p>When the AC Power Adapter is connected to the Boombox, the battery operation is disabled. Disconnect the AC Power Adapter.</p>
SIRIUS receiver displays: <i>Antenna Not Detected</i>	<p>The indoor/outdoor antenna is not connected to the Boombox. Check the indoor/outdoor antenna connection to the Boombox.</p> <p>Receiver is not completely seated into the Boombox. Re-seat the receiver into the Boombox.</p>
SIRIUS receiver displays: <i>Acquiring Signal</i>	<p>No satellite signal is being received. Check for obstacles over or around the satellite antenna.</p> <p>Change the location of the antenna to eliminate nearby obstacles (buildings, trees, overhangs, etc).</p>
No sound from the Boombox speakers	<p>Headphones are connected to the Boombox. Disconnect the headphones.</p> <p>An audio device is connected to the <b>AUX</b> connection and is not producing sound. Press the <b>Source</b> button to select audio output from the SIRIUS receiver.</p>

# Optional Accessories

The following optional accessory is available for purchase from your SIRIUS retailer to maximize your SIRIUS experience:

## **Directed 14230 50 ft. SIRIUS antenna extension**

The antenna extension cable extends the reach of your SIRIUS antenna cable by an additional 50 ft. It includes a built-in signal amplifier to insure reliable reception of the SIRIUS signal. A maximum of two cable extensions can be connected together to create a 100 ft. extension.

# Warranty

## **12 Month Warranty**

SIRIUS Satellite Radio Inc. (the "Company") 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 retailer or call Customer Service at 1-800-869-5187; proof of purchase and description of defect are required. Products to be returned to an approved warranty station must be shipped freight prepaid.



# Specifications

Nominal Output Power per Channel .....	5 Watts RMS
Total Harmonic Distortion (THD) .....	0.3% at 1 Watt
Speaker Frequency Response .....	100Hz to 14.8kHz
Signal-to-Noise Ratio (S/N) .....	>65dB Maximum
Headphone Output Impedance .....	32 Ohms
Headphone Output Level (Variable) .....	200mV (Maximum)
Headphone Connector Type .....	3.5mm Stereo Jack (1/8")
Auxiliary Input Impedance .....	6K Ohms (Nominal)
Auxiliary Input Level .....	2.0 Volts (Maximum)
Auxiliary Input Connector .....	3.5mm Stereo Jack (1/8")
Battery Type/Quantity .....	"D" Cell / 8 Total
AC Adapter .....	.5 Volt, Center Positive
Overall Dimensions (W x H x D) .....	19.2" x 8.8" x 8"
	487mm x 223mm x 205mm
Weight (Without Batteries) .....	7.3 lbs.
	3.3 Kg

# SIRIUS ID

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

SID: \_\_\_\_\_



**SIRIUS Customer Service: 1-888-539-7474**  
customer care@sirius-radio.com

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