AUDIOVOX®
ELECTRONICS CORP.

SIRIUS

Shuttle User Guide SIR-PNP2

Congratulations

You are one step closer to experiencing Sirius Satellite Radio. Sirius will revolutionize your in-home or vehicle entertainment with:

- · 100 streams of original programming, including –
    - 60 streams of completely commercial-free music – guaranteed.
    - 40 streams of news, sports and entertainment
- · Coast-to-Coast reception and Digital-quality sound

All music content is selected and developed in-house by Sirius' team of Master Music Programmers – talented and seasoned professionals who love the music as much as the listeners. World-class partners such as ESPN, ABC, CNBC, Bloomberg, Discovery and Radio Disney are developing news, sports and entertainment programming.

Your Audiovox Shuttle receiver must be used with an adapter kit, such as the Audiovox Home kit or Vehicle Kit as required by your specific installation needs. These kits are available at retailers where Audiovox main units are sold.

Audiovox Home Kit: Part Number SIR-HK1
Audiovox Vehicle Kit: Part Number SIR-CK1 (with wireless FM Transmitter)
Part Number SIR-CK2 (without wireless FM Transmitter)

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Cautions and Warnings

1. Do not install the Shuttle in a position that hinders your view through the windshield, or obstructs viewing of the dashboard indicators and displays.
2. Do not install the unit where it may obstruct the operation or deployment of safety devices, such as airbags, etc.
3. Do not allow operation of the unit to detract from safe driving practices; remember that you are responsible as the vehicle operator to adhere to all safe driving and traffic regulations.
4. This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.
5. By adhering to these warnings and safety considerations, serious accidents and/or personal injury can be avoided.

Shuttle System Components

Shuttle Unit

Remote Control Unit P/N1363539

Batteries for Remote (2) "AAA"

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Introduction

The Audiovox SIRIUS® Shuttle processes the satellite signals received by the externally mounted antenna (purchased separately as part of the Home or Vehicle Kits). The Shuttle recognizes and decodes the incoming SIRIUS® program information and provides an audio signal to your radio or other audio output equipment.

NOTE: The SIRIUS® signal can be received and processed virtually anywhere as long as there are no obvious satellite signal obstructions such as nearby buildings, high terrain, parking garages or tunnels.
The Shuttle is typically installed in an accessible location of the vehicle (dash area), consistent with line-of-sight operation of the remote control, and/or within easy reach of the driver. For home use, situate the Shuttle close to your stereo receiving equipment.

Enjoying Your SIRIUS® Shuttle

You can begin to enjoy Sirius® Satellite Radio as soon as the Shuttle and Kit installation are complete:

1. Set up your Audiovox Shuttle using the installation instructions included in your Home Kit or Vehicle Kit, or with the help of a professional installer.
   NOTE: Refer to Antenna Aiming (page 18) during the installation procedure.
2. When power is available to the unit, note that the integral Power button LED icon lights red. Then press the Power button to turn on the Shuttle.
3. The Sirius logo (SIRIUS) appears on the display followed by the Sirius preview stream. If this is the first time using the Shuttle, the screen will display "Updating Channels". If not, go to stream 184 using the direct channel method, page 9, Direct Tuning.
4. To obtain the Sirius identification (ID) number, press the MENU button. The **Menu Options** page appears with the Sirius ID option high lighted. Press the Encoder knob and the 12 digit Sirius ID number will appear. Write the number here for future reference.

5. Activate your Sirius® radio service ---- it's easy. You have one of two choices to activate your service:

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(a) Visit the website at **siriusradio.com** and click on the "JOIN" section. You will then need to follow some simple directions and provide Sirius with some basic information in order to activate your service.

(b) Call Sirius at 1-866-845-7474. One of our friendly Customer Care representatives will take the necessary information and walk you through the activation process.
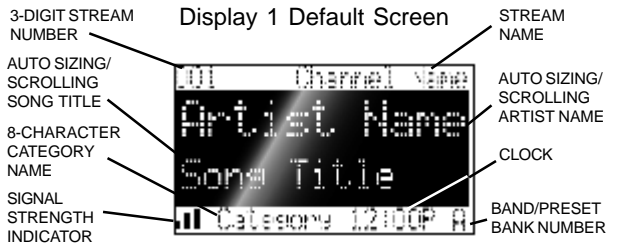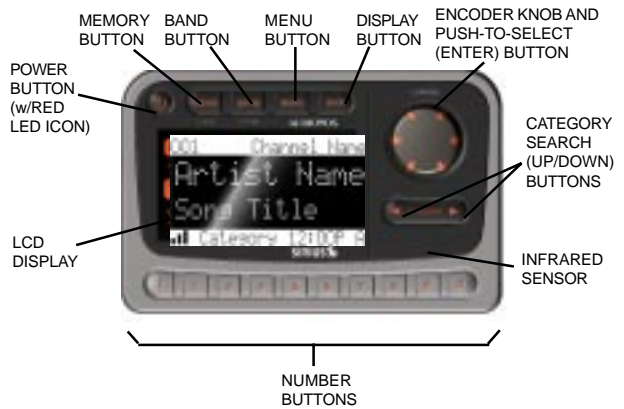
Sirius® Shuttle Controls

The Audiovox Sirius® Shuttle Unit provides seven control buttons, an Encoder knob and 10 number keys.

Power Button:

This button applies power to and removes power from the Sirius® Shuttle as follows:

1. A momentary press of the power button turns on the receiver. The Sirius logo/name (**SIRIUS**) initially appears on the LCD display for 3 seconds, followed by the Default screen.

2. A momentary press of the power button turns off the receiver. While the unit powers down, the Audiovox logo appears for 2 seconds and the unit turns off.

MEMORY BUTTON BAND BUTTON MENU BUTTON DISPLAY BUTTON ENCODER KNOB AND PUSH-TO-SELECT (ENTER) BUTTON

POWER BUTTON (w/RED LED ICON)

CATEGORY SEARCH (UP/DOWN) BUTTONS

LCD DISPLAY

INFRARED SENSOR

NUMBER BUTTONS

Display 1 Default Screen

3-DIGIT STREAM NUMBER

STREAM NAME

AUTO SIZING/ SCROLLING SONG TITLE

AUTO SIZING/ SCROLLING ARTIST NAME

8-CHARACTER CATEGORY NAME

CLOCK

SIGNAL STRENGTH INDICATOR

BAND/PRESET BANK NUMBER

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Encoder Knob and Select Button:
The Encoder knob is the primary control for navigating through the various lists and option menus available on the unit. In the default mode, the Encoder knob provides sequential tuning through the available program streams. Clockwise (CW) rotation tunes up one stream-per-detent, while Counterclockwise (CCW) rotation tunes down one stream-per-detent. When in the list mode, turning the Encoder knob CCW and CW scrolls down and up, respectively, through the various menus and lists. The current selection from the list will be highlighted on the display. When the item is highlighted, press the Encoder knob (Select Button) to enter the selection. Pressing and holding the Encoder knob will tune to the previously selected stream.

Category Buttons:
The Up or Down category buttons allows the user to advance through the stream groups based on content category. By turning the rotary Encoder knob, the user can then scroll up or down through the streams within that category. Once a choice has been made, it can be entered by pressing the Select Button.

Memory (MEMO) Button (S-SEEK Function):
This feature allows the user to capture and store the current program data information (Stream Name & Number/ Artist & Song title). You can store up to 20 Artist/Song Title combinations. The Shuttle also has the capability to search the current incoming Sirius signal, and thereby alert you if it matches the Artist/Song title stored in Shuttle memory.

Display (DISP) Button:
This button allows the user to choose one of several ways of presenting the Stream Name, Artist and Song title information on the LCD screen.

Menu (MENU) Button:
The MENU Button is used to access "Menu Options" which displays the user setup menu, plus other feature/ function adjustments.

BAND Button (BAND)/Preset Tune (P. TUNE):
Each momentary press of the BAND Button allows the user to switch between 3 bands of Stream presets (10 presets each A, B and C). Pressing and holding the BAND Button for 2 seconds initiates preset tuning that will display and tune all stored preset streams in sequence. This is indicated by the reverse image of the stream number and band preset number on the

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display. Pre-set tuning continues until the user decides to terminate this function by pressing and holding the BAND Button for 2 seconds.

Keypad Buttons 0-9:

These buttons are used to directly enter a desired stream number. They are also used when entering and recalling preset stream numbers into memory.

Basic Operation

With the unit properly installed, activated and connected to your home or vehicle audio system, proceed as follows:

1. Press the Power button; the Shuttle turns on and the Sirius logo appears for 3 seconds followed by the default display for the stream and tuning mode in effect prior to turnoff.
2. Rotate the Encoder knob to select and play the desired stream, or use the Category Up/Down buttons to tune and select a desired stream based on genre.

Tuning By Category

When in **Category Tuning Mode**, each momentary press of the Category Up/Down Button(s) advances through the available Genres:

Category List Display

1. Using the Encoder knob, select the desired stream.
2. Press the Encoder knob to select that stream.
3. Once the stream has been selected, the unit will revert to the default screen and your selection will be played.

Content Listing Options (Look Ahead)

This feature allows you to view what is playing on other streams without having to change the current stream you are listening to. The content listing options are selected by using the DISP button. When the default screen is displayed on the LCD, pressing and holding the DISP Button will display all the available stream numbers and stream names. The second press of the DISP button will display all currently available artists. The third press of the DISP button will display song titles.

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While in the Category List menu, pressing the DISP button changes Stream List to Artist List. The available content listing now displays information by the Artist Name.

Category Artist Name Display
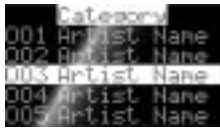

Category Song Title Display

The DISP button is also used during category tuning. Consecutively pressing the DISP button while tuning by category will display the Stream Name, Artist Name or Song Title within the selected category.

While the preceding screens are displayed, rotating the Encoder knob allows navigation through the list. When the desired selection is highlighted, press the Encoder knob and your selection will be played.

Direct Tuning

Streams can also be directly accessed by pressing the Encoder knob and using the 0-9 number keys to numerically enter the desired stream. Once the desired stream number has been entered, press the Encoder knob again to play.

Setting/Using Stream Preset Buttons

The unit contains 10 preset buttons. There are three banks of preset memory locations offering a total of 30 presets. These banks are designated A, B and C and can be selected using the BAND button. The display in the lower right hand side changes to show the corresponding Preset bank. Each bank will store 10 user-preferred streams. Select the desired stream you wish to save into memory by using the Encoder knob, the direct tuning method or the category tuning method. With the desired stream playing, press and hold any of the numbered keypad buttons (0-9); the corresponding preset number will flash. A confirmation tone is heard, confirming that the preset has been stored. Continue this procedure for storing all desired streams. To retrieve a preset stream, momentarily press and release the number button corresponding to the desired stream.

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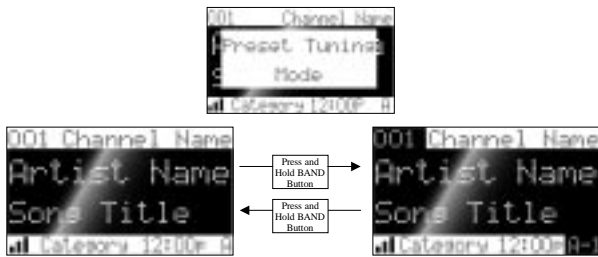
Preset List Mode
To search by list for a preset, press and hold the BAND button to enter Preset Tune mode. When in the Preset Tune Mode, press and hold the DISP button for 2 seconds; this exits normal preset tuning and enters a 6-line menu mode which displays the Preset number (**A-1**), a single space and the 20-character stream name. While in the Preset List menu, pressing the DISP button once will change to Artist List; a second press of the DISP button changes to Song List.

While the contents of the preset listing are displayed, rotate the Encoder knob to navigate through the list. When the desired selection is highlighted, press the Select Button and the stream will be played.
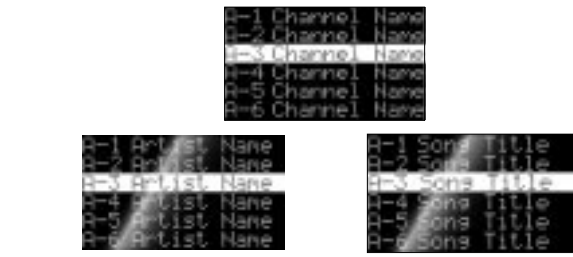
Display Button
Pressing the Display button from the Default display toggles between the artist name/song title screen or large letter format. When the letter size changes, the field will scroll. This feature is useful when viewing the display at a distance.
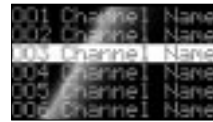
NOTE: The field will scroll only if the length of the artist or title cannot be viewed in its entirety. Pressing and holding the Display button will enter the stream list mode. While in the Stream List mode, any subsequent press of

the DISPbutton will display program information by Artist Name, Song Title or stream name. Pressing and holding the DISP button will exit the Stream List mode and return to the previously selected tuning/display mode.

Memory Button (S-Seek Function):
This feature allows the user to capture and store the current program data information (Artist & Song title) with up to 20 listings (20 Artist/Song Title combinations). The unit also has the capability to search the current incoming Sirius signal and alert the user when a saved song is being played.

1. While the Shuttle is in either of the two standard display modes, momentarily pressing and releasing the MEMO button stores the current program data information within the Shuttle's memory. A Memory Stored pop-up screen, followed by "**X Used/ Y Empty**" will each appear for 1 second.

2. By holding down the MEMO button for 3 seconds, the stored memory information (one at a time) is displayed on the LCD screen in page format. Use the Encoder knob to scroll through the 20-page listing and view the information. This function allows you to recall information regarding the Artist/Song Title for your own personal review. To return to the default tuning mode press and hold the MEMO button for 3 seconds.


3. Momentarily pressing the Encoder knob while in memory recall mode results in a pop-up screen displaying two selectable options:
   Delete
   S-Seek

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Turning the Encoder knob highlights the options and pushing the knob selects the option. The delete option allows the user to delete the currently featured artist/ song title selection from S-Seek memory. The default setting is **NO**. If the **YES** option is chosen, the currently featured Artist/ Song Title is deleted from S-Seek memory. The **S-Seek** option allows the user to turn the S-Seek function on or off. The default setting is S-Seek on. If the off option is chosen, the user will not be alerted when a stored artist song title selection is currently playing. Momentarily pressing the MEMO button will exit the current menu and return to the previous menu.

4. When the S-seek function is on each time the Shuttle is turned on, it automatically searches the incoming signal to determine if a match exists between the signal and the currently saved information stored in receiver memory. If one or more matches are found, pop-up screen momentarily appears for 2 seconds and displays the Phrase **S-Seek Alert**. An audible beep tone will be heard indicating that a match has been found. The display then reverts to the **S-Seek Alert** screen which displays the current matches. You can now select the Artist/Song that you wish to listen to.


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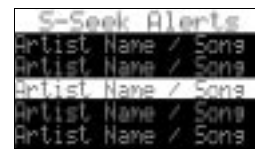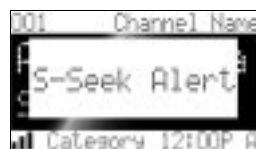
No stored match alert is provided for the currently selected stream. To ensure that no duplicate entries are stored in memory, the receiver will check the stored input data to ensure the information about to be stored is not already in memory.

a. If one or more matches are found, a display list appears, and allows you to scroll through the list of songs using the Encoder knob. Once a song is found, it can be selected by pressing the Encoder knob, and the display will revert to either of the selected display modes.

b. If a selection is not chosen within 10 seconds after the last action, the screen will revert to the previously selected display and tuning mode.

NOTE: Play of the current selection will continue until a new selection is made.

5. If the MEMO button is pressed to save a currently-playing selection, and all of the memory spaces are full, **S-Seek Full** will flash on the display for 1

second, followed by a pop-up screen presenting the **Replace**-**Cancel** options. This prompt allows you to make the following Replace/Cancel choices:
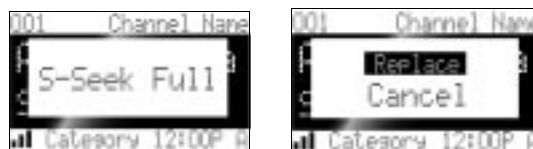
a. By selecting **Replace**, the memory list will appear, and you can use the Encoder knob to select the information that you would like to overwrite with the new Artist/Song Title. After highlighting the selected title in the list, press the Encoder knob to delete the stored Artist/Song Title, and replace it with the updated information.

b. By selecting **Cancel**, the prompt screen would disappear and revert to the original screen.

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```
         Replace
Artist Name / Song
Artist Name / Song
Artist Name / Song
Artist Name / Song
Artist Name / Song
```

```
001        Channel Name

       STORED

.ıl Category   12:00P A
```

```
001        Channel Name

  X Used / Y Empty

.ıl Category   12:00P A
```
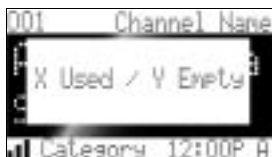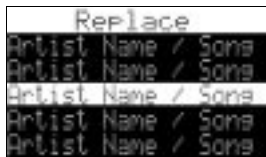
Menu Display Operations
To enter the Menu Options page, press the MENU Button. The **Menu Options** list will appear on the LCD display.

Using the Encoder knob, highlight the option you wish to adjust and then press the Encoder knob.
The following options are available:

Sirius ID	**Audio Level Options**
Display Settings	**Antenna Aiming**
Confirm Tone Options	**Memory Options**
FM Transmitter Options	**Time Based Features**
Add or Skip	**Factory Default**
Lock Options	

If, while in the menu screen function, a button is not pressed within 10 seconds from the previously selected function, the unit exits the menu screen function and reverts to the default screen display.

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Sirius ID

Displays your 12 digit Sirius ID number. No adjustments are allowed in this mode. To exit this option, press the Encoder knob or Menu Button.

Sirius ID

Display Settings

The following adjustments are possible:

Contrast Control   **Auto Dimmer**
Dimming Control   **Font Type**

To enter any of these modes, use the Encoder knob to highlight the option you wish to adjust and press the Encoder knob. Upon entering either the contrast or dimming control, a 10 segment horizontal bar graph is displayed with a "-" sign to the left and a "+" sign to the right. The current setting is indicated on the bar graph. Rotating the Encoder knob adjusts the bar graph indication and function accordingly.

The Auto Dimmer option allows the Shuttle to use ambient light to automatically sense and determine the proper display intensity for the current lighting conditions (**Auto Dimmer On**). The auto dimming function is disabled when **Auto Dimmer Off** is selected.

The Font Types allow the user to select the appearance of text on the Shuttle display.

Confirm Tone Options

The following adjustments are possible:

ON

OFF

Upon entering this option, rotate the Encoder knob to toggle between Tone **On** or **Off.** High light the desired condition, and press the Encoder knob to enter the tone On or Off function. When the tone is enabled, a beep tone will sound each time the Power On/Off button or preset buttons are pressed.

FM Transmitter Options

The following adjustments are possible:
FM On/ Off

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Upon entering this mode, rotating the Rotary Encoder knob to toggle between the FM ON or FM OFF function/display selection. To select and/or exit this function, press the Encoder knob (No button activity for 10 seconds will also exit this function.)

NOTE: It is recommended that you turn the FM Transmitter off if you are using the low level audio outputs in your particular application.

Add or Skip
Upon entering this mode, a stream list is displayed with the current stream in play highlighted. Rotate the Encoder knob to navigate the list and highlight the stream to be adjusted. Once a stream has been highlighted, pressing the Select Button displays the text "**Skip**" next to the stream, and prevents the stream from being accessible during any of the tuning modes. Skipped streams can only be accessed either through direct stream number entry or by returning to this menu and going through the same process to return the skipped stream to the list. Upon adding a stream, the text "**Skip**" is removed from alongside the stream number/ name.

Lock Options
Upon entering this mode for the first time, the user is prompted to enter a four digit numerical code that is

used to lock/unlock stream access. All future entries into this mode displays a stream list with the current stream in play highlighted. The Encoder knob is used to navigate the list and highlight the stream to be adjusted. Once a stream has been highlighted, pressing the Encoder knob displays the text "**Lock**" next to the stream and prevents the stream from being accessible during any of the tuning modes. Locked streams can be accessed only by direct stream number entry, at which time the user will be prompted to enter the previously stored 4-digit code. Once the correct code has been entered, the audio begins to play. The stream returns to the locked status if the stream is changed or the vehicle/unit is turned off (or by returning to this menu and going through the same process to return the stream to the list). Upon adding a stream, the text "**Lock**" is removed from alongside the stream number/name.

Lock/Unlock Default Code Function
The first time the Lock/Unlock function is accessed, the user must enter the default lock code. The default lock code is "0000". This code can be maintained or changed. To change the default lock code perform the following procedure:

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1. Press the MENU button to access the User Menu.

2. Rotate the Encoder knob to select the "**Lock Options**".

3. Press the Encoder knob.

4. Rotate the Encoder knob to highlight "**Edit Code**".

5. Press the Encoder knob.

6. Enter the default code "**0000**".

7. The "**New Code**" prompt will appear. Enter your newfour digit code using the 0-9 number buttons. You will then be prompted to confirm the new code by entering your code again.

8. The lock code is now changed.

Edit Code

Upon entering this mode, the user is prompted to enter the current four digit numerical code being used to lock/unlock stream access. Once the correct code has been entered, the user is prompted to enter the new 4-digit code twice. The second entry is requested for confirmation.

Audio Level Options

Upon entering this mode, a 10 segment horizontal bar graph is displayed with a "-" sign to the left and a "+" sign to the right. The current setting is indicated on the bar graph. Rotating the Encoder knob will adjust the bar graph audio level indication and audio gain, accordingly. To select and exit this function, press the Encoder knob. No button activity for 10 seconds will also exit thisfunction.

Antenna Aiming (Home Installation)

Upon entering this mode, two 10 segment horizontal bar graphs are displayed with a "-" sign to the left and a "+" sign to the right. The satellite signal strength is displayed by the SAT graph. The terrestrial signal strength is displayed by the TER graph. Position the antenna to optimize either the satellite or terrestrial signal. The current setting is indicated on the bar graph. Moving the antenna location adjusts the bar graphs signal strength, represented by the filled-in bar graph squares, thus ensuring optimum reception. To exit this function, press the Select Button.

NOTE: Terrestrial repeaters are typically used in large urban areas where structures may affect the line of sight satellite signal. Terrestrial signals (TER) may not be available in your geographic location.

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Memory Options
In this mode, the user can turn the Memory Search Function (S-Seek) ON or OFF. In addition, all 20 Memory Locations can be cleared.
On the display, the top line displays the text, **M e m o r y Options**.

The following adjustment options are possible:

1. **Automatic Memory Search function** - **On or Off**. Use the Encoder knob to select between the 2 options by highlighting the desired selection. Then press the Encoder knob to enter the option.

2. **Clear all Memory Locations**. Press the Encoder knob; a prompt display screen appears confirming - **Are You Sure?** Select "Yes" or" No" and press the Encoder knob.

Time Based Features
The following adjustments are possible:
Clock
Alarm Clock
Program Alert
Auto Shutdown
Sleep Mode

Upon entering this mode, rotate the Encoder knob to highlight the desired function and press the Encoder knob.

NOTE: No button activity for 10 seconds will also exit the desired (highlighted) function.

Clock
When entering this menu option, you can set up the clock shown on the default display, based on the format desired, the time zone in which you reside and Daylight Savings Time, if used. The clock data is provided via the Sirius stream, and will update based on the received signal.

Format:
The clock format option provides:
12 Hour (Default)
24 Hour
Use the Encoder knob to highlight the desired for mat and press the Encoder knob.

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Time Zone:

The Time Zone option provides:
  (GMT-9:00) Alaska
  (GMT-8:00) Pacific
  (GMT-7:00) Mountain
  (GMT-6:00) Central
  (GMT-5:00) Eastern
  (GMT-4:00) Atlantic
  (GMT-3:30) Newfoundland (Abbreviated as GMT-3:30 Newfndlnd)

Use the Encoder knob to highlight the desired time zone and press the Select Button.

Daylight Savings Time (**DST**) Observance: Activate this function if your area is subject to DST; rotate the Encoder knob to toggle between **DST Observed** (default) or **DST Not Observed**.

NOTE: When the shuttle has not been turned on or has been removed from the docking port for any length of time be sure to position the antenna toreceive the satellite signal so the time can be automatically updated. If the time information has been lost, the shuttle will not display the time information and preprogrammed alarms will not be triggered until the shuttle updates the time information using the satellite signal.

Alarm Clock:

When this menu option is highlighted and selected, you will be able to set the unit to turn on at a specific time. The last selected stream prior to shutdown will be present when the Alarm feature is activated. Additionally, a series of beep tones will be heard. Press any button on the front panel to silence the alarm tones. The alarm will trigger again at the set time unless the **Alarm Off** feature is selected under the **Set Alarm** function.

Set Alarm (Default-Off)

Use the Encoder knob to toggle between **Alarm On** or **Alarm Off** and press the Select Button for desired alarm status. When the alarm is on the time will be displayed on the default screen in reverse image.

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Alarm Time

When this menu option is highlighted and selected the current alarm setting is displayed. The factory default is 12:00PM. By pressing the category buttons the hours can be increased or decreased in one hour increments. AM or PM will switch automatically when the AM or PM threshold has been exceeded. By rotating the Encoder knob the minutes can be increased or decreased in one minute increments. Rotating the Encoder knob in a clockwise (CW) direction will increase the minutes and in a counterclock wise (CCW) direction will decrease the min utes. When the desired time is displayed, press the Encoder knob.

NOTE: Loss of the satellite signal by the shuttle will result in a series of alarm tones only.

Program Alert

When this menu option is highlighted and selected, you will be able to program the unit to switch to a selected stream at a specific time. On the display, **Set Stream Alert** will occupy the top text line.

The following adjustments are accessible:

Program Time/Day (Default-12:00pm, Monday)
Stream (Default-Currently Playing Stream)
Program Alert On/Off (Default-Off)

Time/Day:

Rotating the Encoder knob toggles between **Time** and **Day**.

If **Time** is selected, pressing the category buttons the hours can be increased or decreased in one hour increments. AM or PM will switch automatically when the AM or PM threshold has been exceeded. By rotating the Encoder knob the minutes can be increased or decreased in one minute increments. Rotating the Encoder knob in a clockwise (CW) direction will increase the minutes and in a counterclockwise (CCW) direction will decrease the minutes. When the desired time is displayed, press the Encoder knob.

If **Day** is selected, the screen displays a default day of **Monday**, with selectable choices of **Monday**, **Tuesday**, **Wednesday**, **Thursday**, **Friday**, **Saturday** or **Sunday**. Use the Encoder knob to

increase (CW) or decrease (CCW) to se lect the desired day from the default value (Monday).

Stream:
Rotate the Encoder knob to scroll through a listing of all the Sirius streams in a circular motion. The listing should encompass all 5 available lines. When the desired stream is highlighted, press the Encoder knob.

Program Alert On/Off:
Rotate the Encoder knob to toggle between **Program Alert On** or **Program Alert Off**. When the desired alert status is high lighted, press the Encoder knob.

Auto Shutdown
In this mode, you have the option of program-ming the unit to automatically shut off after a 1-hour period without any user intervention. After 59 minutes of inactivity, a beep tone sounds, and a display prompt appears on the screen, stating **Cancel Auto Shutdown**. Press the Encoder knob to terminate the function temporarily.

NOTE: This function is especially useful when the shuttle is being powered by bat-tery (Car etc.).

The following options are available in this mode:
Enabled
Disabled (Default)

Rotate the Encoder knob to toggle between **Enabled** and **Disabled.** When the desired shut down status is highlighted, press the Encoder knob.

Sleep Mode:
In this mode, you have the capability of program ming the unit to shut off after a selected period of time. The screen displays **Sleep Mode** on the top line, with optional time settings as follows:

Sleep Off
15 minute
30 minute
45 minute
60 minute

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Sleep Off is the factory default setting. Rotate the Encoder knob to toggle through the desired sleep times. When the desired time is highlighted, press the Encoder knob. The unit will now turn off after the selected time has expired

Factory Default
The Factory Default screen displays the text **Restore Default Settings** with the following adjustments:
   Yes/No
Upon entering this mode, rotating the Encoder knob toggles between the "Yes" or "No" function/display selection. If "Yes" is chosen, the unit reverts to the original factory settings for the following parameters:
   • All Presets revert to empty
   • Auto Dimming On
   • Display Contrast to 50%
   • Display Mode to Auto
   • FM Modulator to On
   • Audio Output Level to 70%
   • Access to all skipped Shuttles (Locked streams remain locked)

   • Memory Search On
   • Memory Locations are erased
   • 12 Hour Clock Format
   • Eastern Time Zone
   • Daylight Savings Time Observed

Factory Default
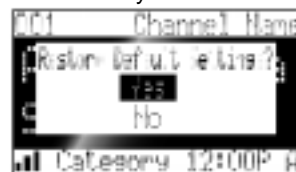
Remote Control Unit
The wireless remote control supplied with the Shuttle is capable of operating most of the features from a remote location. Each button on the remote control functions in the same way as the button on the Shuttle unit. For a full description of a keypad button or function refer to the preceding sections in this manual. For optimal operation of the remote control, always aim it toward the Remote Sensor on the front panel of the main unit.

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Remote Control Unit
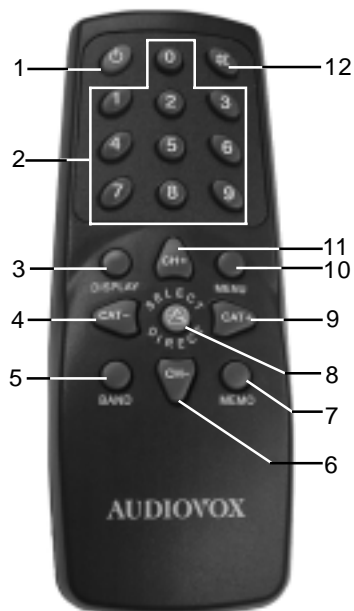
1. **POWER -** Turns the Shuttle on and off.

2. **Presets 0-9**- These buttons are used to directly enter a desired stream number. They are also used when entering and recalling preset stream numbers into memory.

3. **DISPLAY-** allows the user to choose one of three ways of presenting the Artist and Song title information on the LCD screen.

4. **CAT-** Used to access categories in descending order.

5. **BAND-** Used to switch between the 3 preset bands (A, B, C) and to activate preset tuning.

6. **CH-** Used to access streams in descending order. Also used for adjustments in the various menus.

7. **MEMO-** Used to capture and store current program information.

8. **SELECT/ DIRECT-** Used to confirm selection in various lists and menus. Also allows for direct stream entry.

9. **CAT+** Used to access categories in ascending order.

10. **MENU-** Used to access "Menu Options" which displays the user setup menu plus other feature/function adjustments.

11. **CH+** Used to access streams in ascending order. Also used for adjustments in the various menus.

12. **MUTE-** Allows the user to silence the audio signal.

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Troubleshooting

FAULT	PROBABLE CAUSE	REMEDY
Shuttle does not turn on	Blown fuse, power cable not properly connected	Check fuse check power cable
Check antenna display message	Satellite antenna not connected	Check satellite con-nection to Shuttle
	Antenna or cable is faulty	Contact system installer or vendor
Audio static or loss of clarity	FM modulator frequency contains static	switch to another FM frequency
	Vehicle antenna not connected to radio	Check vehicle antenna cable.
No signal on Shuttle display	Check for obstacles over or around antenna	Change location to eliminate nearby obstacles (bridges, etc.)
No sound	1. Audio cables not connected. 2. Incorrect FM modulator Frequency	1. Check cables at Shuttle and radio. 2. Select another FM modulator frequency.

Specifications

Audio Output
  (100-250 ohms): 650mV RMS Maximum

Fuse: 3A Slow Blow

Power Supply: 10-16V, Negative Ground, DC

Dimensions
  (W x H x D):   132mm x 86.5mm x 47.5mm
                    (w/knob)
                  (5.19" x 3.4" x 1.87")

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AUDIOVOX™
CORPORATION

12 MONTH LIMITED WARRANTY

AUDIOVOX CORPORATION (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 an approved warranty station or the Company at the address shown below.

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.

U.S.A. : AUDIOVOX CORPORATION, 150 MARCUS BLVD., HAUPPAUGE, NEW YORK 11788 ● 1-800-645-4994

CANADA : CALL 1-800-645-4994 FOR LOCATION OF WARRANTY STATION SERVING YOUR AREA

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For Customer Service
Visit Our Website At
www.audiovox.com
Product Information, Photos,
FAQ's, Owner's Manuals

128-6901

SIRIUS

Satellite Music for Your Business

Business Equipment Package
Installation Instructions

Limited Warranty

Applied Media Technologies Corporation ("AMTC") warrants this product against defective material and workmanship for a period of one year from the date of purchase. Except as specified below, this warranty covers parts and labor. The following are not covered by this warranty:

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
>   a) Accident, acts of nature, misuse, abuse, neglect or unauthorized product modification.
>   b) Improper installation, removal or maintenence, or failure to follow the instructions contained in the manual.
>   c) Repair or attempted repair by anyone other than AMTC.
>   d) Any shipment of this product (claims must be presented to the carrier).
>   e) Any cause other than a product defect.
2. Cleaning, initial setup, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.
3. Any product on which the serial number has been defaced, modified or removed.
4. Accessories, including but not limited to, cables, mounting shelves or stands, detachable power cords, and timer units.
5. Any product purchased outside the U.S.A., its possessions or territories.
6. Compatibility of this product with any particular interface.

This warranty may be enforced only by the original purchaser. In the event this product needs service, contact AMTC at 1.800.741. AMTC (2682). We will advise you of proper procedure. Please do not return the product to AMTC without prior authorization. Whenever warranty service is required, you may be required to present original proof of purchase.

All implied warranties, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this warranty. Liability for any defect is limited to repair or replacement of this product at the option of AMTC. AMTC shall not be liable for damage to other products caused by defects in this product, damages based on inconvenience or loss of use of this product, or any other damages, whether incidental, consequential or otherwise.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, 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. This warranty is enforceable only inside the U.S.A., its possessions and territories.

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 authority to operate the equipment if an unauthorized change or modification is made.

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 in a residential installation. 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 unit on and off, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult AMTC for further technical assistance.

Check Package Contents:

Receiver (Model EQ-SIRRCV) - Box includes:
        Receiver
        Docking Station
        120VAC to 12VDC 1.2A wall adapter
        6-ft.stereo audio cable with 3.5mm stereo plug and dual RCA plugs
        25cm dual RCA female to single RCA male (stereo to mono) adapter cable
        RCA female to 1/4" male mono adapter
        Earbuds
Commercial antenna (Model EQ-SIRANT)
100 ft. low-loss commercial coaxial antenna cable (Model EQ-SIRCBL)

NOTE: For instructions on operation and programming of the receiver, please refer to the Owner's Manual packaged with the receiver.

Placement and Mounting of the Antenna

You will need the following to complete the installation:
• electric drill
• 3/8" drill bit suitable for the construction material used in the exterior walls of your building (e.g.; masonry, metal, wood, etc.)
• (4) 3/16" fasteners suitable for the construction material used in the exterior walls of your building
• driver bit for selected fasteners
• caulk

1. Determine antenna mounting location. The best location for your antenna is on the roof of your building. If this is inconvenient, acceptable reception may often be achieved by mounting the antenna on an exterior sidewall. Due to the unique paths of the SIRIUS satellites, the proper sidewall will depend on where you are located. Please reference the following chart to identify the optimum antenna placement:

Area 1: Place the antenna at an EAST-FACING sidewall.
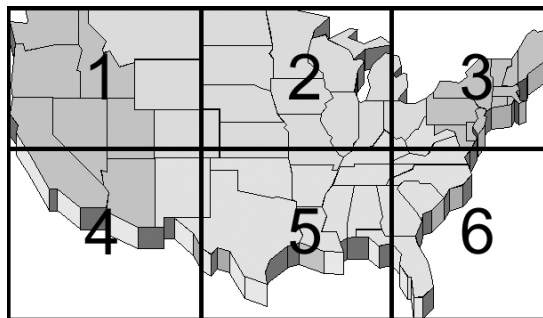Area 2: Sidewall mounting not recommended. Antenna should be mounted on roof away from any obstructions.
Area 3: Place the antenna at a WEST-FACING sidewall.
Area 4: Place the antenna at a NORTH or EAST-FACING sidewall.
Area 5: Place the antenna at a NORTH-FACING sidewall.
Area 6: Place the antenna at a WEST or NORTH-FACING sidewall.

Remember that SIRIUS Satellite Radio is a LINE OF SIGHT technology. There must be a clear view from the antenna to the satellite, with no blockage by surrounding buildings, dense trees, etc.

As an alternative to mounting the antenna to a flat surface using fasteners, the antenna is designed to easily mount to an existing 1 3/4" diameter antenna mast. Pole clamps are provided for this purpose.

NOTE: Do not permanently attach your antenna immediately. Because the SIRIUS satellites orbit over the United States, it is possible that an antenna placement that achieves good signal strength at one time of day will not maintain good signal strength at other times of the day. Monitor signal strength for at least one full day before making your antenna placement permanent.

2. Uncoil the 100 ft. low-loss coaxial antenna cable and attach to the connector on the underside of the antenna using the THREADED plug. **IMPORTANT!: When "pulling" the cable, DO NOT GRAB/PULL BY THE CONNECTORS! Pull /grab the cable itself. Failure to heed this warning could result in the connectors pulling off the cable!**

4. Plug the NON-THREADED connector on the antenna cable into the receptacle labeled ANTENNA on the upper right end of the docking station. If you must increase the distance between the antenna and the receiver, we stock 50-foot amplified extension cables (AMTC P/N EQ-SIR50X) for $39.95 (+ $5.00 S/H). Up to two of these may be daisy-chained together for a total extension of 100 feet. **IMPORTANT!:** To unplug the antenna cable, grab the CONNECTOR and pull firmly. DO NOT PULL BY THE CABLE! Failure to heed this warning could cause the connector to become detached from the cable.

Positioning the Receiver and Connecting to Your Amplifier

The receiver should typically be positioned as close as possible to the amplifier into which it will be connected. **The provided audio cable is 6 feet long.** If you prefer to position your receiver further than 6 ft. from your amplifier, we stock inexpensive 25-foot audio extension cables, as well as couplers to "daisy-chain" the extension cables. Our labs have tested daisy-chaining four extension cables, for a length of 100 feet, with no noticeable loss of signal. Call AMTC at 800-741-AMTC(2682) for further information or to order.

Connect the 3.5mm stereo plug on the provided audio cable to the receptacle labeled "AUDIO OUT" on the docking station.

3.5mm stereo plug

If your amplifier is stereo:
Connect the dual RCA plugs of the provided audio cable into the L and R auxiliary inputs of your amplifier. Do NOT connect to the PHONO input.

dual RCA plugs

If your amplifier is mono:
Connect the dual RCA plugs of the provided cable into the dual jacks of the provided 25cm dual RCA female to single RCA male (stereo to mono) adapter cable:

25cm dual RCA female to single RCA male (stereo to mono) adapter cable

Connect the single RCA plug into the RCA input jack of your amplifier. If your amplifier has a 1/4" input jack, use the provided RCA female to 1/4" male mono adapter:

RCA female to 1/4" male mono adapter

Connecting Power

A 12VDC 1.2A power adapter is provided with the receiver. The adapter should be plugged into the jack labeled "DC12V" on the docking station, and into 110-120 VAC wall power. Avoid using a circuit also powering any heavy equipment or appliances, particularly air conditioners or refrigeration equipment. We highly recommend that you use a quality surge protection device to protect your receiver.