

# SPARC SHD-TX2

## Quick Start Guide

The HD Radio™ Experience: Here. Now. Everywhere. | Go ahead and get started.

### Your SPARC SHD-TX2

Your SHD-TX2 is a high-quality portable radio offering the most advanced radio reception technology—HD Radio™ Technology. Your SHD-TX2 offers these features:

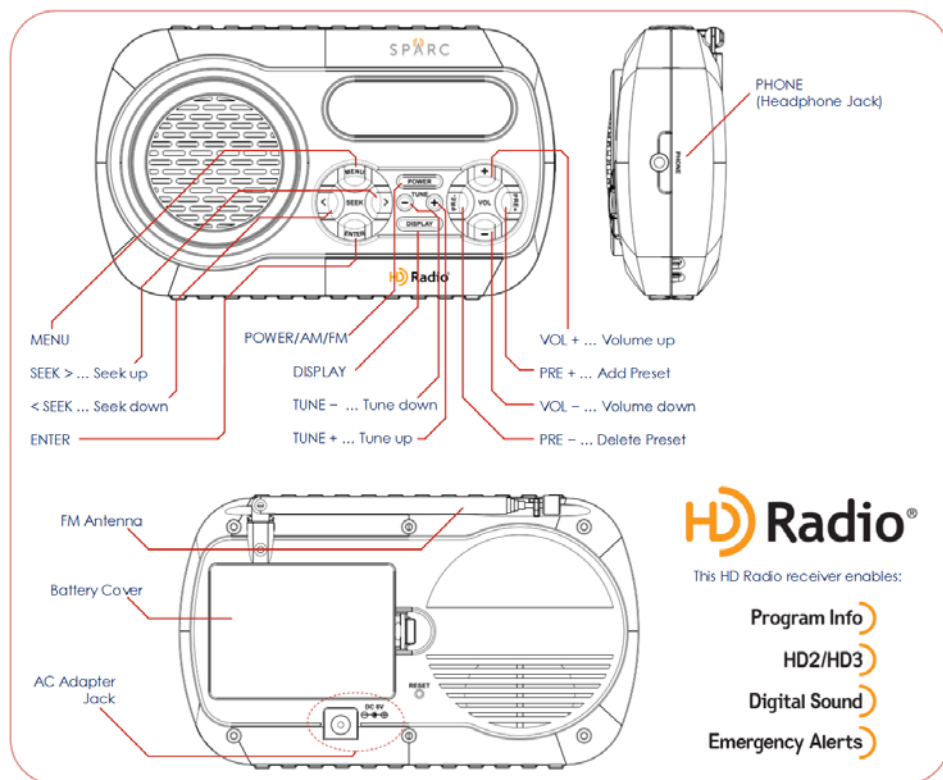
- ♣ CD-like sound quality for FM | FM-like sound quality for AM
- ♣ New broadcast channels and content, not available on a traditional AM/FM radio
- ♣ Advanced programming information, such as Artist and Song Title
- ♣ Advanced features, such as Emergency Alerts for weather, civil, and police warnings and Voice Assist for confirmation of button control
- ♣ AC or Battery Operation (batteries are not included)
- ♣ Programmable Sleep Timer
- ♣ International Tuning
- ♣ Multilingual User Experience: English, French, Spanish, Portuguese

\*NOTE: Out of the box, Emergency Alerts Monitoring and Voice Assist are set to OFF.

To learn more about SPARC Radios, go to [www.sparcradio.com](http://www.sparcradio.com).

To learn more about HD Radio Technology, go to [www.hdradio.com](http://www.hdradio.com).

### SPARC SHD-TX2: Controls and Connections



**HD Radio™**  
This HD Radio receiver enables:

- Program Info
- HD2/HD3
- Digital Sound
- Emergency Alerts

# SPARC SHD-TX2

## Access and View the Menus | Screens

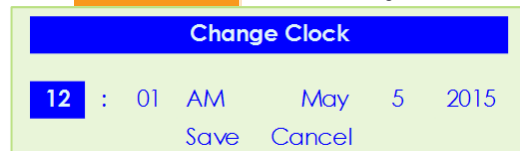
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### MENU

Press the MENU button to access and view the menus or screens with their options and settings. Change Clock | Sleep Timer | Emergency Alerts | Tuning Region

#### Change Clock Menu

Press MENU to access and view the "Change Clock" menu.



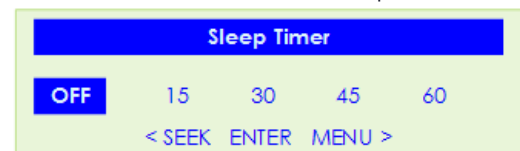
Press <SEEK or SEEK> to move the highlight to one of the options: HOURS, MINUTES, AM or PM, MONTH, DAY, and YEAR.

Press VOL+ or VOL- to change the option's setting.

Move the highlight to the "Save" or "Cancel" option: press ENTER to save (or cancel) settings.

#### Sleep Timer Menu

Press MENU to access and view the "Sleep Timer" menu.



The Sleep Timer can be set to power off the Radio after a certain interval of time.

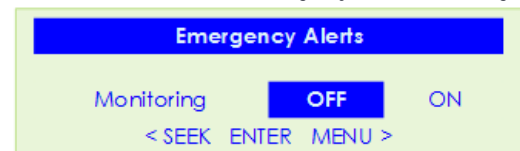
Observe the following options: Off, 15 minutes, 30 minutes, 45 minutes, or 60 minutes.

Use SEEK to cycle through the options, use ENTER to confirm the setting, and use MENU to cancel.

Powering off the Radio cancels the sleep timer.

#### Emergency Alerts Screen

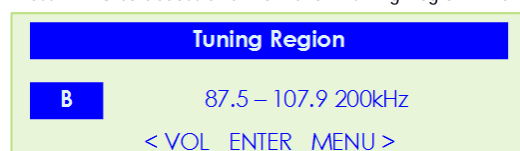
NOTE: Out of the box, the Emergency Alerts Monitoring feature is set to OFF.



Look for the section named: "Exploring Emergency Alerts".

#### Tuning Region Menu

Press MENU to access and view the "Tuning Region" menu.



Press VOL+ or VOL- to change the Tuning Region setting.

Press ENTER to save the Tuning Region setting.

# SPARC SHD-TX2

## HD Radio Technology™

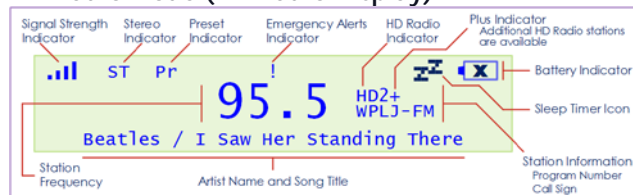
The HD Radio™ Experience: Here. Now. Everywhere. | Go ahead and get started.

### Your SPARC SHD-TX2

Your SHD-TX2 tunes both traditional analog AM/FM and new HD Radio digital Broadcasts. In digital mode, sound quality is improved, new broadcast streams (stations), not available in analog, are available, and advanced programming information such as Artist and Song Title can be displayed. To find new digital stations, go to [www.hdradio.com/stations](http://www.hdradio.com/stations).

Primary (HD1) signals are received in both analog and digital. If the digital signal is lost, the Radio will automatically blend to the analog signal and continue to play. However, when receiving the new additional digital signals (HD2/HD3), there is no analog signal: if the digital HD2/HD3 signal is lost, the Radio will mute to silence. If this happens, you can wait for the digital HD2/HD3 signal to return or simply tune to another station.

#### FM Radio Mode (HD Radio Display)



#### AM Radio Mode (HD Radio Display)



#### Clock Screen (Display)



#### HD Radio Signal Reception

Reception is improved when the Radio is near windows and outside (perimeter) walls. The antenna should be extended fully and oriented for best reception. Electrical devices like appliances, computers, smartphones, light fixtures, light dimmers, motors, etc. may interfere with reception.

Your SHD-TX2 is equipped with an external, extendable FM antenna. Take care not to bend or break the antenna while moving it.

The headphones serve as the FM antenna (but, only when they are plugged in).

Your SHD-TX2 is also equipped with an internal AM antenna. Re-positioning the Radio may improve reception in AM Radio Mode.

#### AC Power Supply

The AC power supply may interfere with HD Radio signal reception: uncoil the power cord and keep the power supply away from the antenna.

# SPARC SHD-TX2

## Access and View the Menus | Screens

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### MENU

Press the MENU button to access and view the menus or screens with their options and settings. Language | Voice Assist | Version Number | Factory Default

#### Language Menu

Press MENU to access and view the "Language" menu.



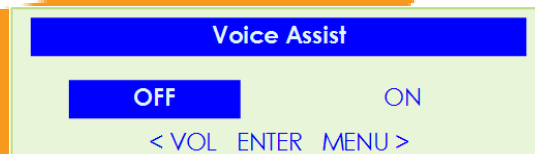
Press VOL+ or VOL- to change the language setting that appears.

When your language appears: press ENTER to save the Language setting.

Available languages: English, French (Français), Spanish (Español), and Portuguese (Português).

#### Voice Assist Menu

Press MENU to access and view the "Voice Assist" menu.



Press <SEEK or SEEK> to move the highlight to one of the options: "OFF" or "ON".

Press ENTER to save the Voice Assist setting.

NOTE: Out of the box, Voice Assist is set to OFF.

#### Version Number Screen

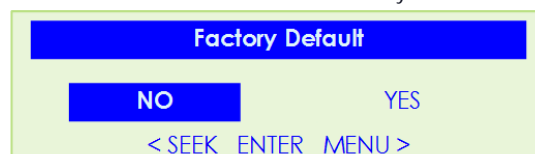
Press MENU to access and view the "Version Number" screen.



Radio will show the Host Version and the DSP Version.

#### Factory Default Menu

Press MENU to access and view the "Factory Default" menu.



Press <SEEK or SEEK> to move the highlight to one of the options: "YES" or "NO".

Selecting "YES" will restore the radio to the initial factory settings.

Press ENTER to save the Factory Default setting.

Download your Owner's Manual from [www.sparcradio.com](http://www.sparcradio.com).

# SPARC SHD-TX2

## Exploring Emergency Alerts

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### What are Emergency Alerts?

Emergency Alerts (EA) is a warning system used by broadcasters to notify listeners about potential hazardous situations related to extreme weather, floods, infrastructure failures, amber alerts (child abductions), and more.

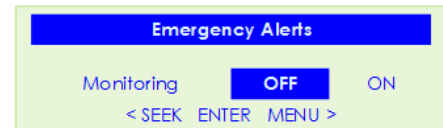
The Radio must be in an HD Radio signal-reception environment so that it can receive the audio and data services from a station that broadcasts the Emergency Alerts.

NOTE: Out of the box, the Emergency Alerts Monitoring feature is set to OFF.

When Emergency Alerts Monitoring is ON, the Radio will present the listener with audio and text-based alerts; and, the alerts can even awaken the Radio from a standby mode.

### Selecting and Changing the Settings for Emergency Alerts

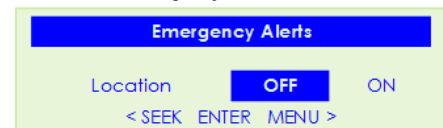
Press MENU to access and view the "Emergency Alerts" screen.



Press SEEK to change the setting for Emergency Alerts Monitoring.

Press ENTER to save the choice: "On" or "Off".

Observe the Emergency Alerts Location screen (Location setting).



Press SEEK to highlight the setting for Location: "On" or "Off".

If you choose to have the Location setting as "Off", then all of the alerts that are broadcast within the Radio's range will be received. By default, the Location setting in the Location screen for the Emergency Alerts feature is "Off".

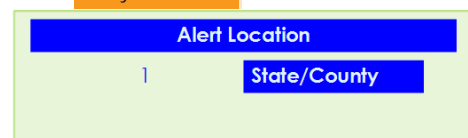
If you choose to have the Location setting as "On", then press ENTER after highlighting "ON".

There are advantages to enabling EA locations in your Radio's memory. For example, when the setting for Location is enabled ("On") and when various locations are defined in the broadcast signal but none of your locations match any of the locations in the broadcast signal, then the Radio will not display text alerts (and the alerts will not awaken the Radio from standby mode).

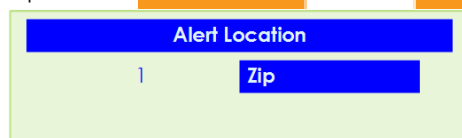
Thus, your Radio will process and present only those alerts that are relevant to your area.

The options for Alert Location include:

State/County



Zip



Press VOL+ or VOL- to change the option for Alert Location.

Press ENTER when your Alert Location option appears.

# SPARC SHD-TX2

## Controlling the Radio with the Buttons

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### POWER

Quick-press the POWER button to change from one tuning band to the other (AM to FM and FM to AM).

Power Off: Long press (press-and-hold) to "Power Off".

Power On: Long press (press-and-hold) to "Power On".

Power Off with Emergency Alerts Monitoring On: enables background scanning for Emergency Alerts.

Power Off with Emergency Alerts Monitoring Off: extends battery life.

### ENTER

Press to select a choice from the list or menu of options.

Press the ENTER button to save the settings and exit the menu.

### MENU

Press the MENU button to access and view the menus or screens with their options and settings.

Press the MENU button to exit the menu without saving the settings.

While in any menu, press-and-hold the MENU button to exit.

### TUNE+ and TUNE-

Press to tune up or down the broadcast band: your Radio will stop tuning at each station possibility.

### SEEK DOWN (<SEEK) and SEEK UP (SEEK>)

Press to find next or previous "strong signal" station: use these buttons to access the "strong-signal" stations in a given broadcast area.

Press <SEEK or SEEK> to highlight one of the options in the menu.

### PRE+ and PRE- (Preset Stations)

Press-and-hold PRE+ to save the current station as a preset.

Press-and-hold PRE- to delete a previously stored preset.

Quick press PRE+ or PRE- to scroll through to the next or previous preset.

### VOL+ and VOL-

Quick-press to adjust the volume in small increments.

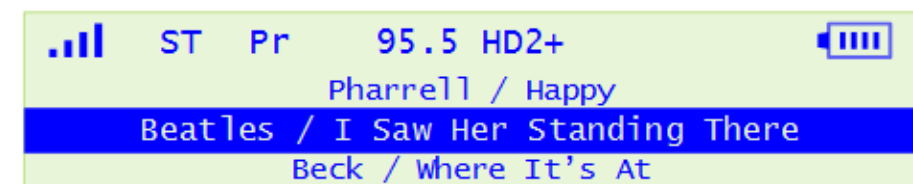
Press-and-hold to adjust the volume continuously.

Press VOL+ or VOL- to change the setting or value for the option in the menu.

### DISPLAY

Press the DISPLAY button for Radio Display Mode, for Clock Display Mode, or for the Emergency Alerts History (if alerts have occurred).

If your Radio is tuned to an HD Radio station, press the DISPLAY button to view the HD Radio Station Guide.



The HD Radio Station Guide showcases the HD Radio programs that the station is broadcasting.

# SPARC SHD-TX2

## Exploring Emergency Alerts

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### Selecting and Changing the Settings for Emergency Alerts

If State/County was selected:

Observe a state/county in the Alert Location screen.



Press VOL+ or VOL- to change the State.

Press ENTER to save.

Press VOL+ or VOL- to change the County.

Press ENTER to save.

If Zip was selected:

Observe a US Zip code in the Alert Location screen.



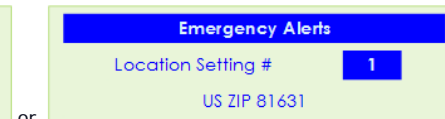
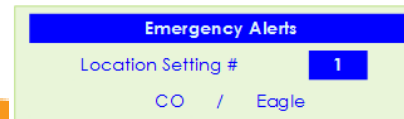
Press VOL+ or VOL- to change the active digit (±).

Press <SEEK or SEEK> to move the (±) to the next digit.

Continue to change all of the digits in the Zip.

Press ENTER to save.

Return to the Emergency Alerts Location screen which shows the saved State/County or the saved Zip.



Ten (10) EA Locations can be saved in your Radio's memory.

Press VOL+ or VOL- to scroll through your saved EA Locations.

Press-and-hold the MENU button to return to Radio Mode.

### Emergency Alerts (EA) Icon Guide

Icon	Icon Description
!	Emergency Alerts Monitoring is OFF
△	Solid: Indicates that the station supports Emergency Alerts Blinking: Indicates that a received Emergency Alerts Message has been ignored
△ ▽	Alternating up-down: Indicates that a received Emergency Alerts Message has been snoozed
⏏	Blinking: Test Emergency Alerts message is OK and has been ignored
⏏ △ ▽	Alternating up-down: Test Emergency Alerts message is OK and has been snoozed

### Understanding the Emergency Alerts History

Once the Radio detects an alert, it will sound an alert tone, display the alert category (such as Weather, Hazmat, etc.), and scroll the alert text.

Press the DISPLAY button to view the "Emergency Alerts History": use the SEEK buttons to scroll through the history, which contains the five most recent Emergency Alerts.

To snooze the Emergency Alert (for 10 minutes), quick-press the DISPLAY button.

To ignore the Emergency Alert (for 12 hours), press-and-hold the DISPLAY button.

# SPARC SHD-TX2

## Specifications

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Performance Parameters	Specifications
<b>International Tuning Regions (AM/FM)</b>	<b>AM/FM Tuning Regions</b> Region A (Philippines, Romania): FM: (87.5 - 108.0 MHz), 100 kHz AM: (522 - 1620 kHz), 9 kHz Region B (US, Mexico, Canada): FM: (87.5 - 107.9 MHz), 200 kHz AM: (530 - 1710 kHz), 10 kHz Region C (SE Asia): FM: (87.5 - 108.0 MHz), 50 kHz AM: (522 - 1620 kHz), 9 kHz Region D (Brazil): FM: (76.0 - 108.0 MHz), 100 kHz AM: (522 - 1629 kHz), 9 kHz
<b>Languages Available</b>	English (Default language is English) French (Français) Spanish (Español) Portuguese (Português)
<b>Number of Preset Stations that can be Stored</b>	Unlimited
<b>Headphone Jack Type</b>	3.5-mm, 1/8-inch (Headphones are not included)
<b>Display Type</b>	Daylight Readable Monochrome LCD (128 pixels by 32 pixels)
<b>AC Adapter (Included)</b>	Input: 100 to 240 VAC, 50/60Hz Output: 5.98 VDC, 1 A
<b>Battery Type and Quantity</b>	AA-size alkaline / Three (3) (Batteries are not included)
<b>Speaker Output Power</b>	1.85 watts

### WARRANTY

90-day Limited Warranty | For details, visit [www.sparcradio.com](http://www.sparcradio.com).

### COPYRIGHT & TRADEMARKS

HD Radio Technology manufactured under license from iBiquity Digital Corporation.

U.S. and Foreign Patents apply.

HD Radio™ and the HD, HD Radio, SPARC™, and "Arc" logos are proprietary trademarks of iBiquity Digital Corporation.

### COMPLIANCE

This device complies with Part 15 of the FCC Rules.

Operation of this product is subject to the following two 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.

This Class B digital apparatus complies with Canadian ICES-003.