

BC

SoundExtreme Elite[®] **28 inch Powersports** **Amplified Soundbar**

SE28



Model: SEI-EXSE2801OEM

User Guide

Now with Optimized Aux-In

Introduction

Features

The SoundExtreme Elite SE28 – now with optimized Aux-In – (referred to as SE28) is designed for better integration with a vehicle's media player (referred to as Head Unit). The SE28 includes the following features.

Optimized Aux-In

- Integrated noise cancellation on the Aux-In signal input.
- Aux-In is the factory default setting for the SE28's audio source.

Multi-Audio Source Inputs and Output

Besides using the vehicle Head Unit as the audio source, the SE28 also supports the following audio sources:

- Bluetooth streaming.
 - Bluetooth 5.1 long range and reliable connection to your phone.
 - Dual simultaneous connections – switch playback between two phones.
 - Built-in speakerphone function.
- FM radio (no AM radio).
- Aux-Out.

Speaker with Big Sound

- 500 watt peak power.
- 8 Marine-grade speakers: 2 tweeters, 4 mid-ranges, 2 woofers.

Built-in EcoCast Wireless Audio

- Wirelessly stream your radio's Bluetooth music, FM radio, and Aux-In audio to EcoCast-enabled speakers. Supports up to 100 wireless connections between any mix of EcoCast-enabled ECOXGEAR and SoundExtreme soundbars, subwoofers, radios, and party speakers.

- Play audio streams wirelessly received from an EcoCast Transmitting speaker. No wires!

Built-in LEDCast 4-Zone LED Controller

- 2 Zones for internal LED lights.
- 2 Zones for external, LEDCast-enabled LED strips, rocker lights, and whips (sold separately).

Integrated Addressable RGB LED Lights

- Addressable RGB LED backlights on the 4 mid-range speakers and 2 woofers.
- Dual-function rear-facing light bar – RGB party lights and utility (white) light with 3 brightness settings.

Includes SoundExtreme RF Universal Remote Control

- Control the core audio and lighting functions remotely anywhere near and around your vehicle.

SoundExtreme Smartphone App

- With the free SoundExtreme Smartphone App customize your LED's colors, speed, brightness, music sync, and LED chasing. Create custom scenes to change all Zones at once with your favorite LED light show. Add additional 4-Zone LED controllers (sold separately) and other LEDCast products to expand your light show. Control them all from one app!

5V USB Charge Out

- A 5V, 2.1A USB charge output for charging your phone.

Mounting Options

- V-Groove Mounts and integrated mounting rail with threaded mounting holes for multiple mounting configuration options.
- Check out **www.soundextreme.com** for additional mounting bracket options.

Introduction

Important

- Please read the User Guide before installation and use.

Power Supply and Soundbar Power State

- Your SE28 requires a 12V DC voltage power input. If your vehicle battery power output is not 12V (e.g., 24V, 36V, or 48V), you will need a voltage converter with 12V output (e.g., a 48V-to-12V converter). Connecting the SE28 directly to higher voltages will cause damage to the soundbar and **VOID THE PRODUCT WARRANTY**.
- If you connect the SE28's power input to a DC-DC downconverter controlled by the vehicle's ignition switch or directly to a 12V battery via a rocker switch, you can just turn the ignition switch or the rocker switch on or off to turn SE28 on or off.
 - If you press the Power Button  on the speaker or on the Remote Control to turn off the soundbar, then turn the ignition switch or rocker switch off, the next time you turn the switch on, the soundbar will not be on. You will have to press the Power Button to turn it back on.
 - So, when the soundbar is on, if you turn off the soundbar by turning off the switch, you will be able to turn it back on by turning the switch without having to press the Power Button.

Aux-In Audio

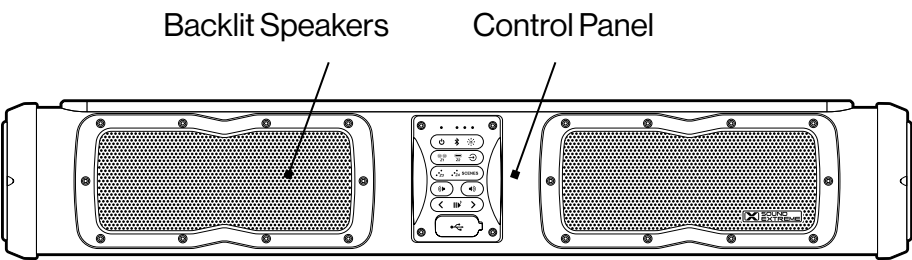
- If you connect your Head Unit's pre-amplified audio output to the SE28's Aux-In jack, and play audio from the Head Unit, the playback control is on the Head Unit. Though, you can adjust the Aux-In signal input gain by pressing the Volume Up  or Down  Buttons on your SE28.
- If the SE28's sound output is too low or there is no sound when you play music on the Head Unit, check if the SE28 audio source is set to Aux-In mode, or if the Aux-In input signal gain is set too low.

LED Lighting Control

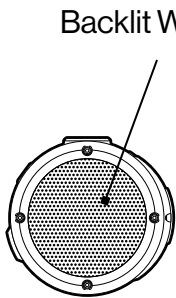
- The SE28 has an integrated LED lighting controller with two outputs (Zones). Each Zone can support multiple types of SoundExtreme LEDCast-enabled products. But it is **NOT** compatible with other manufacturers' LED strips or LED whips. Do **NOT** make modifications to the LED connectors or try to connect the LED outputs to other manufacturers' LED products. It may cause permanent damage to the product and **VOID THE PRODUCT WARRANTY**.
- If you have a SoundExtreme Bluetooth Media Player (SEI-CPAA101, referred to as SE Media Player) installed on your vehicle, besides using the buttons on the soundbar and the Remote Control, you can also use the SE Media Player or the free SoundExtreme Smartphone App to control the LED lights on the soundbar. You will need to establish a Bluetooth Low Energy (BLE) connection between the SE28 and the SE Media Player or the SoundExtreme App before use.
 - Please note that you can only have one BLE connection with the SE28 at a time. If you already have a BLE connection between the SE Media Player and the SE28 and you want to use the SoundExtreme App to configure the SE28 LED Lighting Mode, you will need to first disconnect the BLE connection between the SE Media Player and the SE28, then establish a BLE connection between the SE28 and your phone.
- **CAUTION:** After taking the product out of the polyethylene bag, be sure to dispose of the polyethylene bag out of the reach of children. Children may play with the bag, which could result in the child's suffocation.

SE28 SoundExtreme Elite Overview

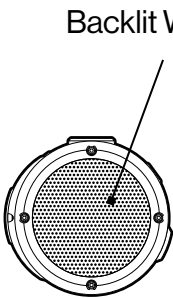
SE28 Layout



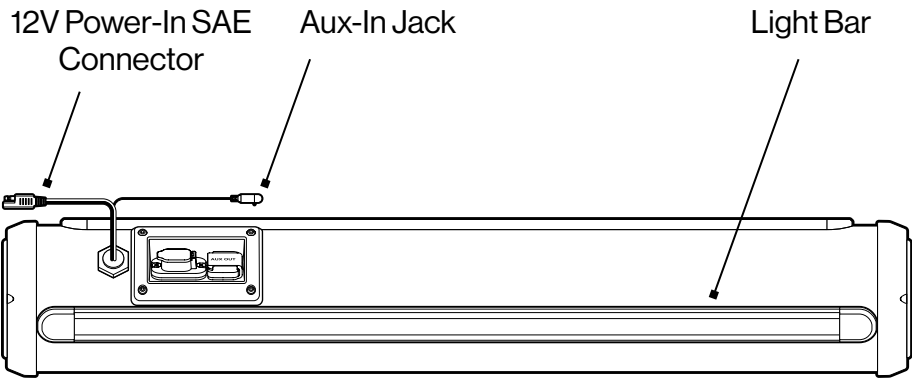
FRONT



LEFT SIDE



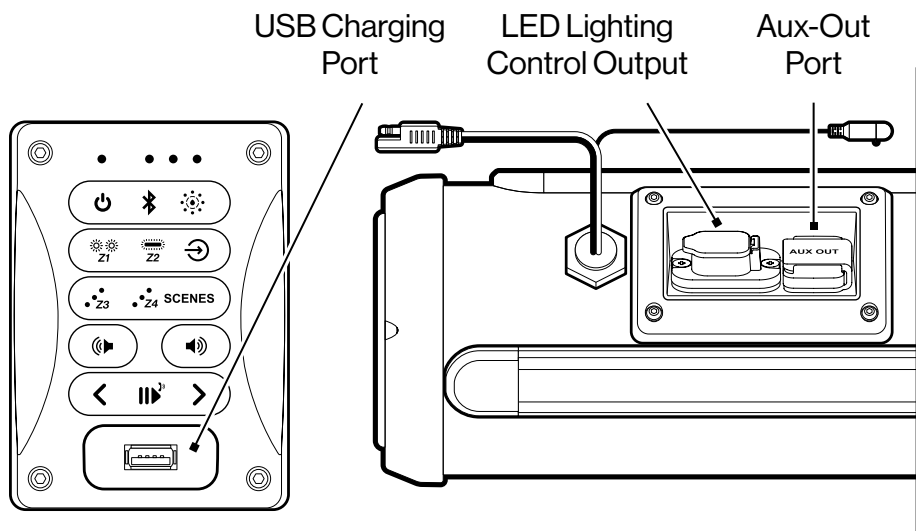
RIGHT SIDE



BACK

SE28 SoundExtreme Elite Overview

Inputs, Outputs, and Jacks



Do **NOT** use these connections if the connections are wet.

Power Input: SAE connector. +12VDC input only. 25A maximum.

Aux-In: 3.5mm audio jack. This input can be used to connect to your vehicle Head Unit, an additional soundbar, CD player, MP3 player, etc.

Aux-Out: 3.5mm audio jack. This output can be used to connect to an additional soundbar, radio, amplifier, or to any audio system with an Aux-In connection.

LED Lighting Control Output: 6-pin Deutsch Jack. This jack supports one or two LED Zones.

USB Charging Port: USB A jack. This output can be used to charge your smartphone or other devices. USB charging only functions when the speaker's power is turned on. USB port rating is 5V, 2.1A.

IMPORTANT: Maintaining Waterproofness

When not in use, if the caps on the USB Charging Port, Aux-In, Aux-Out, or the Deutsch Jack are not properly closed, the unit is **NOT** watertight. To close them properly, push firmly to be sure the caps fit flat along their edges.

SE28 SoundExtreme Elite Overview

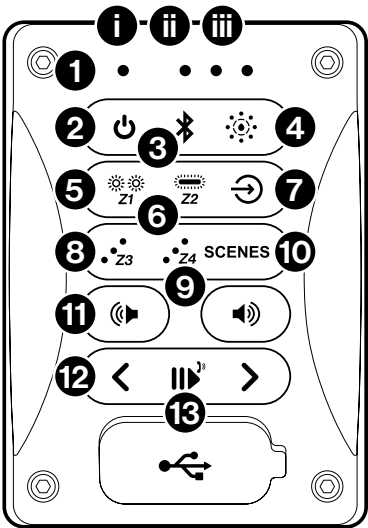
Playing Audio on Your Head Unit

If you play music on your Head Unit, i.e. the SE28 plays Aux-In audio, while the media playback is coming from your Head Unit, please note the following audio related button functions:

- **Playback Control Buttons (Play/Pause & Track):** Do not function.
- **Volume Control Buttons:** Aux-In signal gain adjustment.
- **Bluetooth and EcoCast Buttons:** Do not function, as the audio source is set to Aux-In.
- **Audio Mode Button:** Do **NOT** press this button if you use the Head Unit to play music. Pressing this button will result in no audio from your soundbar. Press it again until you cycle back to Aux-In Mode.

Buttons and LED Status Indicators

1. **LED Indicators:** The first 3 LEDs correspond to different functions:
Power, Bluetooth, and Mode.
 - i. Power
 - Solid Green: Power On
 - No Light: Power Off or Standby
 - ii. Bluetooth
 - Flashing Blue: Bluetooth Pairing
 - Solid Blue: Bluetooth Connected
 - iii. Mode
 - Solid Blue: Speaker Mode (EcoCast is turned off)
 - Flashing Red: EcoCast Transmitting Mode – Pairing Ready
 - Solid Red: EcoCast Transmitting Mode
 - Flashing Green: EcoCast Receiving Mode – Pairing Ready



- Solid Green: EcoCast Receiving Mode – Paired with EcoCast Transmitting speaker
- Solid Yellow: FM Mode
- Solid Purple: Aux-In

2. Power Button:

- Short-press to turn the soundbar on / put into Standby.
- **Press and hold** for 3 seconds to turn all 4 LED Zones on / off.
- Each time you provide power to your SE28, it will enter the Power State that it was in before power was removed – it will either turn off (Standby Mode) or turn on – i.e., the soundbar functions similarly to your car radio. The SE28 has 3 power states: Power On, Standby, & Power Off. The Power State functionality depends on whether the SE28 is directly connected to a vehicle's 12V battery or a DC-DC downconverter controlled by the vehicle ignition switch:
 - If your SE28 is directly connected to a vehicle's 12V battery, pressing the Power Button on the speaker or on the Remote Control will turn on the soundbar or turn off the soundbar (i.e. put soundbar into Standby Mode where the soundbar consumes minimal power). As the SE28 keeps a power connection to the 12V battery, this scenario does **NOT** have a complete Power Off state.
 - If the SE28 is connected to a DC-DC downconverter, there are two scenarios:
 - i. If the ignition switch is turned off, the SE28 is powered off.
 - ii. If the switch is on, pressing the Power Button on the speaker or on the Remote Control will turn on the speaker or put the speaker into Standby Mode.

3. Bluetooth Button:

- When in Bluetooth Mode, if the Bluetooth LED Indicator is not flashing Blue, press this button to enter Bluetooth Pairing. If

SE28 SoundExtreme Elite Overview

your device is connected (solid Blue LED), press the button to disconnect and re-enable pairing.

- **Press and hold** for 5 seconds to clear all pairing memory.

4. EcoCast Button:

- Short-press to enable EcoCast pairing.
- **Press and hold** for 5 seconds to clear the EcoCast pairing memory.

5. Zone 1 Button: Z1 – LED Party Lights on Backlit Speakers

- Short-press to turn on the LED Party Lights behind the speakers.
- When the lights are on, short-press to cycle through each of the 45 LED Button Modes. There are a total of 44 LED Lighting Modes supported by the Control Panel. (The SoundExtreme app can support many more Color Modes.) The 45th LED Button Mode is Off Mode. Therefore, a short-press on the 44th Mode will turn the lights off, and another short-press will cycle back to the first LED Lighting Mode again.
- When the lights are on, **press and hold** to turn off.

6. Zone 2 Button: Z2 – Light Bar

- Short-press to turn on the LED Light Bar on the back of the soundbar. When the lights are on, short-press to cycle through each of the 45 LED Button Modes.
- When the lights are on, **press and hold** to turn off.

7. Audio Mode Button: Short-press to cycle through the following Audio Modes – Bluetooth, EcoCast Transmitting, EcoCast Receiving, FM, and Aux-In.

8. Zone 3 Button: Z3 – LED Lighting Control Output

- Short-press to turn on the Zone 3 external LEDCast-enabled product. When the lights are on, short-press to cycle through each of the 45 LED Button Modes.

- When the lights are on, **press and hold** to turn off.

9. **Zone 4 Button:** **Z4** – LED Lighting Control Output

- Short-press to turn on the Zone 4 external LEDCast-enabled product. When the lights are on, short-press to cycle through each of the 45 LED Button Modes.
- When the lights are on, **press and hold** to turn off.

10. **Scenes Button:**

- Short-press to cycle through all the 5 Scenes. (Scenes can only be programmed in the SoundExtreme Smartphone App).
- **Press and hold** to turn on and turn off the rear-facing Utility Light.

11. **Volume Control Buttons:**

- Short-press to adjust the speakers' volume.
- **Press and hold** to adjust the volume continually.

12. **Track Buttons:**

- In Bluetooth Mode, press buttons to play the previous / next track.
- In FM Mode
 - Short-press either button to tune to a radio station.
 - To “seek” (jump to the next available station), **press and hold** either Button for a few seconds until it starts to seek a station.

13. **Play / Pause / Answer / EcoTalk Button:**

- Press to play / pause a track or answer / end a mobile call from a paired Bluetooth phone.
- EcoTalk: **Press and hold** to activate your Voice Assistant (Siri or Hey Google).

Set Up Your Soundbar

Mounting Your Soundbar

If the SE28 comes with your vehicle and it has not been mounted, follow the vehicle manufacturer's instructions to mount the SE28 to your vehicle.

If you purchase the SE28 for your vehicle, you can follow the instructions under **Installation and Wiring** to mount the SE28 with the included V-Groove Mounting Brackets. You can also visit www.soundextreme.com for additional mounting bracket options.

Connect to Audio Source

Vehicle Audio Cable: Prewired

- If your vehicle has a Head Unit or a SoundExtreme Bluetooth Media Player (SEI-CPAA101, referred to as SE Media Player) installed and an RCA to 3.5mm audio cable prewired from your Head Unit or SE Media Player to the SE28, plug in the 3.5mm connector on your prewired cable into the SE28's Aux-In Jack.

Vehicle Audio Cable: Not Prewired

1. If your vehicle does not have an audio cable prewired, route an RCA to 3.5mm audio cable from your Head Unit or SE Media Player Unit to SE28.
2. Plug in the RCA Red and White connectors on your audio cable into the respective audio signal output RCA jacks on your Head Unit.
3. Plug the 3.5mm connector on your audio cable into the SE28's Aux-In jack.

Connecting to 12V DC Power Supply



If the included SE28 power supply cable has been prewired on your vehicle, connect the SAE connector on the power supply to the SAE connector on SE28.

IMPORTANT: Before connection, make sure your vehicle ignition switch (or the DC-DC downconverter) is turned off.

If you do not have the power supply cable prewired on your vehicle, follow the instructions under **Installation and Wiring**.

Audio Playback Control

As a factory default, the SE28's Audio Source is set to Aux-In, which is for a wired audio connection between the SE28 and the vehicle Head Unit. So, once you complete all the wirings and turn on your vehicle ignition switch (therefore turning on the DC-DC converter), your SE28 will turn on and automatically enter into Aux-In Mode.

Now, on your Head Unit, you can tune to an FM or AM radio station, or connect your phone to your Head Unit via Bluetooth and play music.

When the SE28 plays the Aux-In audio, you have full playback control on your Head Unit. No need to use the included Universal Remote Control or press the Buttons on the soundbar.

IMPORTANT: When the SE28 plays the Aux-In audio, you can press the (◀▶ or ▶▶) Buttons on the soundbar to adjust the Aux-In signal input gain. The gain ranges from 1 to 15. The factory default setting is 12 (80% of full gain).

Set Up Your Soundbar

If the SE28 sound output is too low or no sound is being produced when you play music on your Head Unit, do the following:

- Check if the SE28 Audio Source is set to Aux-In Mode. If not, press the Audio Mode Button  on the SE28 to cycle through the Audio Modes to Aux-In. The soundbar will announce, “Aux-In” when it’s set to Aux-In Mode.
- Check if the Aux-In signal input gain on the SE28 is set too low when playing music. If it is, press the  Button to increase the input gain to the level you want. When the gain reaches the maximum level, the soundbar will emit a tone.

LED Lights and Lighting Controller

The SE28 soundbar has an integrated LEDCast Lighting Controller to support the built-in addressable LED Party Lights and Utility Light on the soundbar and two external LEDCast-enabled LED products. The LED Party Lights driven by the integrated Controller provide millions of Color Modes: solid colors, fading, jumping, chasing, speed, and variable brightness.

- There are RGB LED Party Lights behind the 4 mid-range Speakers on the front, the 2 Woofers on each side, and the rear-facing LED Light Bar.
- Additionally, the rear-facing Light Bar can also be used as a white Utility Light, which provides 3 levels of brightness: high, mid, and low.

Note: The RGB LED Light Bar and Utility Light are co-located on the same Light Bar on the back; as such, the Light Bar cannot function as a white Utility Light and RGB LED Party Lights at the same time. Refer to **Light Bar: Utility Light and Zone 2 RGB LED Party Lights** for more details.

- The SE28 supports two external LEDCast-enabled LED products, each has a maximum 5A DC output. Refer to **LED Lighting Zones, Modes, and Scenes** and **LED External LEDs to SE28 Lighting Control Outputs** for more details.

LED Lighting Zones, Modes, and Scenes

Below are some terms and definitions to help you better understand the LED lighting control functions.

Zone

A Zone corresponds to all the LED lights that are connected directly to one physical connection on an LED Lighting Controller output, either integrated in the SE28 or in an ExtremeController (sold separately). When you change a Zone status (on / off, Mode, etc.), the LEDs connected to that Zone will change accordingly. You can control one Zone or multiple Zones at a time.

The integrated LED Lighting Controller on the SE28 soundbar supports 4 Zones:

- Zone 1 – The RGB LED Party Lights behind the speakers on the front and sides of the soundbar.
- Zone 2 – The LED Light Bar on the back of the soundbar.
- Zone 3 and Zone 4 – Each Zone supports externally connected LEDCast-enabled products.

Mode

There are 3 LED Mode categories, totaling in 44 Modes supported by the RF Remote. The SoundExtreme app can support many more Color Modes.

1. Color Mode: Each Color Mode lights up the LEDs in a solid color. There are 8 Color Buttons on the Remote Control: Red, Green, Blue, White, Orange, Yellow, Cyan, and Purple. You can create a custom color by utilizing the SoundExtreme Smartphone App.
2. Party Mode: There are 20 preset Party Modes accessible via the Remote Control and SoundExtreme Smartphone App. The app allows you to customize each of the 20 Party Modes, allowing for nearly unlimited color, cascading, and LED chasing options.

Set Up Your Soundbar

3. Music Mode: There are 16 Music Modes accessible via the Remote Control and SoundExtreme Smartphone App.

Scene

A Scene is programmed via the SoundExtreme Smartphone App. You can customize each Zone into a Scene (a preset). Setting the Scenes on the app allows a 1-button press to bring up your desired custom settings for all of the LED products connected to the LED Lighting Controller.

The SE28 soundbar has 5 Scene settings. They are user customizable and programmable. The default Scene settings are:

- Scene 1: Patriot 1 (Red, White, and Blue)
- Scene 2: Flowing colors
- Scene 3: Zoom
- Scene 4: Fading colors
- Scene 5: Christmas (Red, Green, and White)

LED Lighting Control Methods

There are dedicated buttons on soundbar Control Panel and on the included Universal Remote Control for LED lighting control. Refer to **Lighting Control with Control Panel Buttons** for details.

In addition to these buttons, you can use SoundExtreme Smartphone App. If you have an SE Media Player installed on your vehicle, you can also use the LED Control function to control the LED lights.

The following is a summary of the main functions of these 4 LED lighting control methods.

DEVICE	MAIN LED CONTROL FUNCTION
Control Panel Buttons	Turn on / off all LED lighting Zones and cycle through 5 Scenes. Refer to Lighting Control with Control Panel Buttons for details.
Remote Control Buttons	Turn on / off all LED lighting Zones, cycle through 5 Scenes, cycle through 44 lighting Modes for all or an individual Zone, and change LED Brightness and lighting Speed. Refer to Universal Remote Control for details.
SoundExtreme App	Full control functions to set up Zones, create and save Scenes, and set up an LED device group. Refer to SoundExtreme Smartphone App for details.
SE Media Player	Quick turn on / off Buttons for Zone and Scene control. Refer to the SE Media Player's User Guide for details.

Light Bar: Utility Light and Zone 2 RGB LED Party Lights

The Utility Light (White) and the Zone 2 Party Lights are co-located on the same Light Bar on the back of the SE28 soundbar. To avoid the lighting interferences between the Utility Light and Party Lights, the button functions are designed to prevent the Utility Light and Party Lights from being turned on at the same time.

- Short-press the Zone 2 Button  to turn the Party Lights on.
 - If the Party Lights in Zone 2 are on, turning on the Utility Light will automatically turn the Party Lights in Zone 2 off.
- **Press and hold** the Scenes Button to turn the Utility Light on / off.
 - When the Utility Light is on, the SE28 will **NOT** allow the Zone 2 Party Lights to turn on. You **MUST** turn the Utility Light off before you turn the Zone 2 Party Lights on.
 - When the Utility Light is on, you can short-press the Z2 Button to change the Brightness Level: high, mid, low.

SoundExtreme Smartphone App

The SE28 soundbar can be operated via the SoundExtreme Smartphone App.

Download and Install

For iPhones, download the app from the following URL:

<https://apps.apple.com/us/app/soundextreme/id1670708941>

For Android phones, download the app from the following URL:

<https://play.google.com/store/apps/details?id=com.cchip.ecoxgear>

Alternatively, use the following QR Codes to download the SoundExtreme Smartphone App.



iOS



Android

App Overview

Password Secured: The app is password protected so others cannot gain access and control your SE28. The default password is 0000.

Name Your Devices: You can change and customize the name of your devices and Zones, such as Rear speakers, Soundbar, etc.

Set Up Modes: Use the app to set up the LED Mode for each of the Zones on your soundbar. You can also change the Brightness and Speed.

SoundExtreme Smartphone App

Create and save Scenes: A Scene is a preprogrammed light show that you can save for later quick-access. We have created 5 default Scenes that are fully customizable and programmable.

Set Up a Group: Create and set up a group of devices (multiple soundbars, or other SoundExtreme products with LEDCast built-in). This will allow all the LED lights connected to different devices to be controlled by the SoundExtreme Smartphone App at the same time.

Bluetooth Low Energy: The SoundExtreme Smartphone App relies on a BLE (Bluetooth Low Energy) connection between your phone and the SE28. Make Sure you turn on Bluetooth on your smartphone.

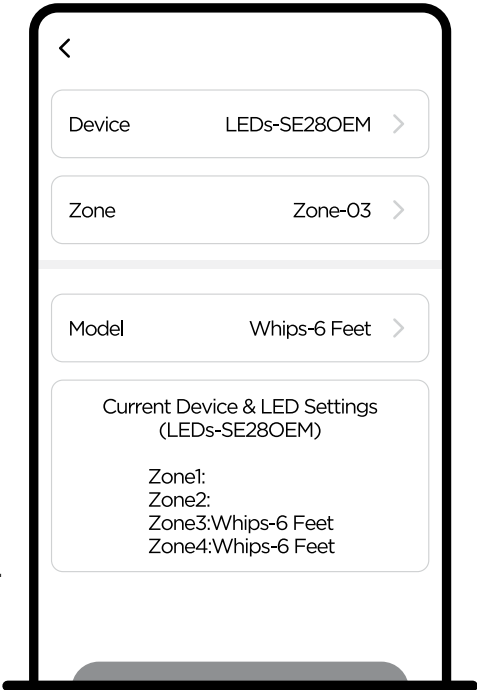
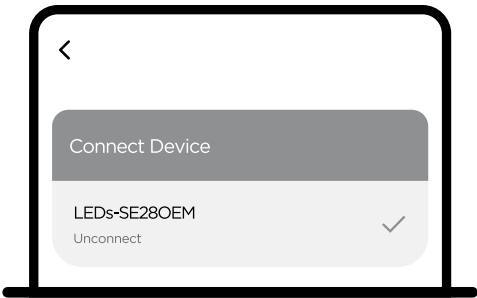
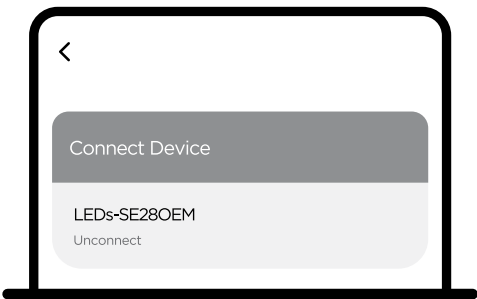
Initial App Connection and Device & LED Setup

1. Launch the SoundExtreme App on your smartphone or other BLE-enabled device.
2. On the SoundExtreme App homepage, tap **Device Connection List**.



SoundExtreme Smartphone App

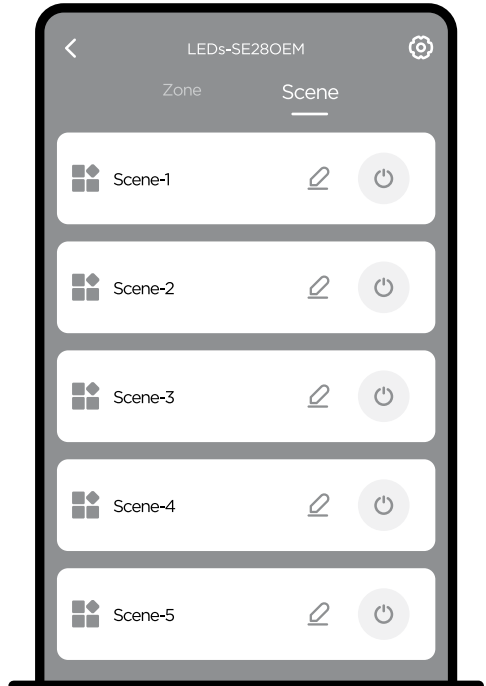
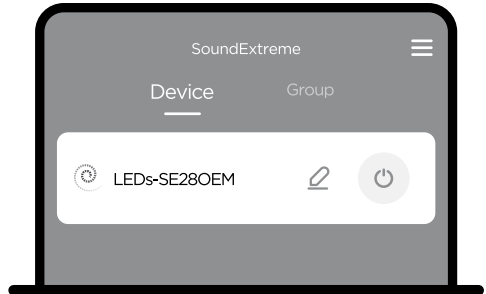
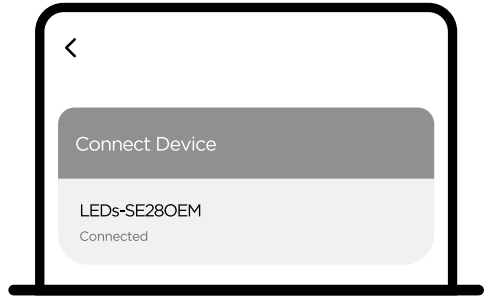
- 3. If your SE28 is powered on, it will show up as **LEDs-SE28OEM** on the app's **Connect Device** screen. Tap the device name on the screen. A check mark will appear on the right. Tap the **Connect** button.
- 4. A dialog window will popup asking you to enter a password. The SE28 default password is 0000.
- 5. If the app connects to your SE28 successfully, a popup message will appear, showing the Device & LED Settings for the 2 external Zones on your SE28 and ask you if you want to change these settings. On the bottom of the message there is a checkbox to ask if you want this message to be displayed the next time the app connects to your SE28.
- 6. If you choose to change the Device & LED Settings, the app will bring you to the Device & LED Set Up screen.
- 7. For the Device field, select your SE28 (**LEDs-SE28OEM**).
- 8. For the Zone field, select Zone 3 or 4, depending on which



SoundExtreme Smartphone App

output you connected your LEDCast-enabled product to.

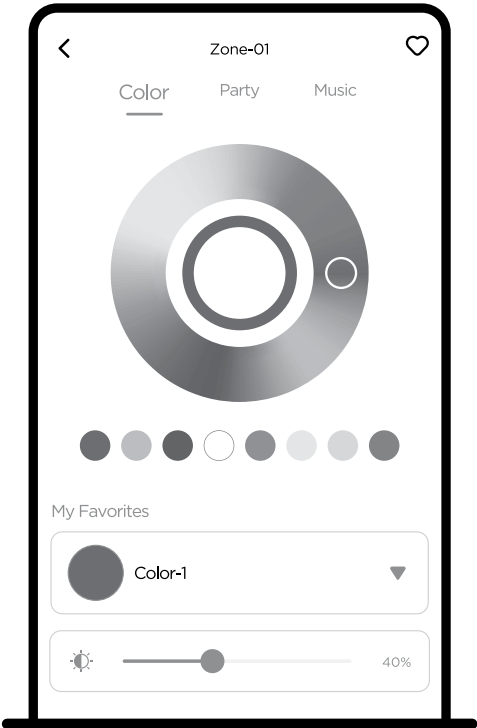
9. For the Model field, select your LEDCast-enabled product from the pull-down list.
10. Once the Device & LED Settings are completed, the App will bring you to the **Device** List screen.
11. Select your SE28. It will take you to the **Scene** screen. There are 5 predefined Scenes on the SE28. You can turn on one of the 5 Scenes to light up the LEDs. For example, tap the On / Off button  at the right for Scene 1. The Party Lights will light up Red, White, and Blue, which is the LED Lighting Mode defined for Scene 1 – Patriot 1.



SoundExtreme Smartphone App

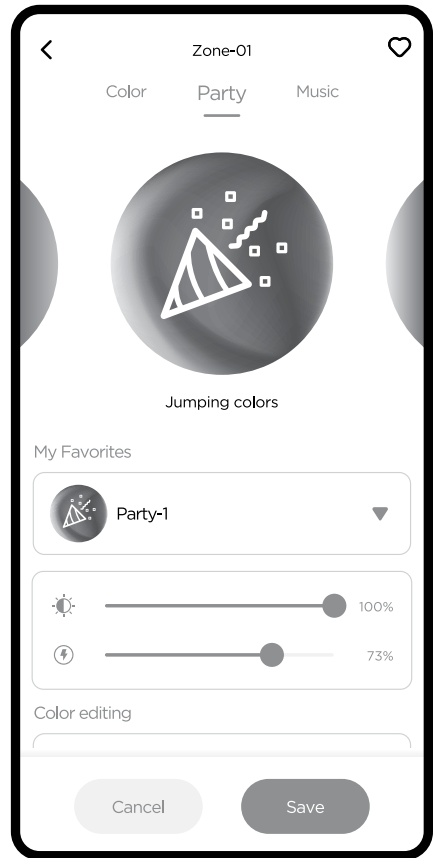
Set Up Zones

- 1. Select your SE28 on the Device list, and the app will bring you to the **Zone** screen.
- 2. Tap one of the 4 Zones, and you will go to the Zone LED Mode Settings screen. There are 3 tabs: Color, Party, and Music, which allow you to select a solid Color, a Party Mode, or a Music Mode.



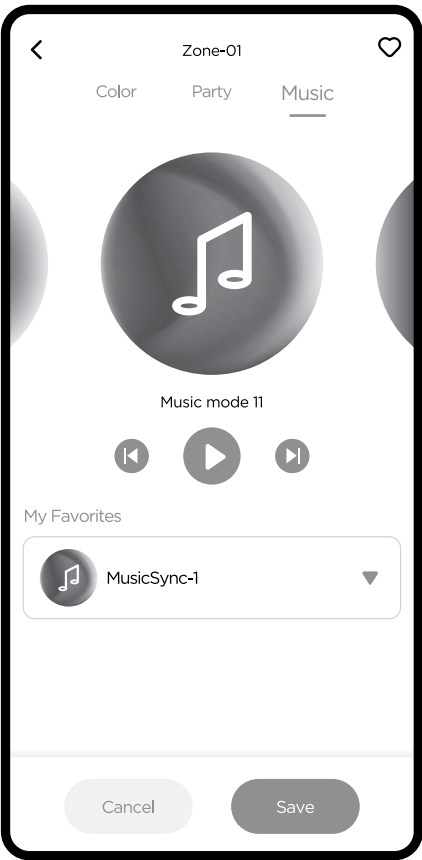
SoundExtreme Smartphone App

- When you choose a Mode, the LEDs connected to the Zone you selected will light up accordingly, giving you a preview.
- If you tap the **Save** button on the screen, the app will save your setting for the selected Zone.
- If you tap the **Cancel** button or exit the LED Mode Settings screen, your Mode selection will not be saved and LEDs connected to that Zone will display the previously selected LED Mode.



SoundExtreme Smartphone App

3. After you set up the Modes for each of the Zones, the SE28 setup is complete.



Set Up Scenes

1. On the **Device** List screen, select your SE28 (**LEDs-SE28OEM**) and the app will bring you to the **Zone** screen. Tap the **Scene** tab. The app will show 5 predefined scenes on your SE28.
2. You can change a Scene's LED settings by selecting any of the 5 Scenes. When you select the Scene, you will go to the LED Mode Setting screen. You can use the same procedure as in the **Set Up Zones** section to set up each Zone and save the Scene's new LED settings.
3. After you set up LED Modes for all the Zones, the setup is complete for the selected Scene.



SoundExtreme Smartphone App

Utility Light Control

You can control the SE28's rear-facing Utility Light with the following steps:

1. On the **Device** List screen, select your SE28 (**LEDs-SE28OEM**), and the app will bring you to the **Zone** screen.
2. On the **Zone** screen, tap **Dome/Light Bar** (Zone 2) and you will go to the **Dome/Light Bar** Settings screen. As previously indicated, once the Utility Light is turned on, the Zone 2 RGB LED Party Lights will turn off automatically.
3. There are 3 Brightness Levels (High, Mid, and Low) on the slide bar for you to choose from.
4. You can also set a countdown timer for the Utility Light by tapping **Count Down**. Set up a time on the countdown timer from the popup window. Once the countdown is over, the app will turn off the Utility Light.

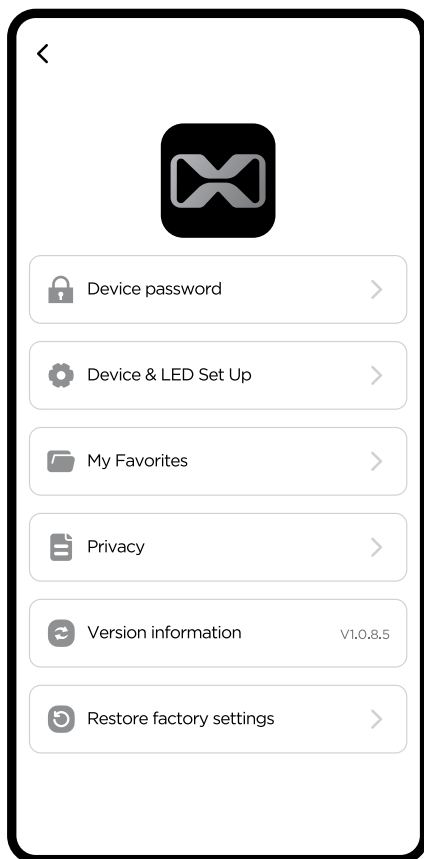
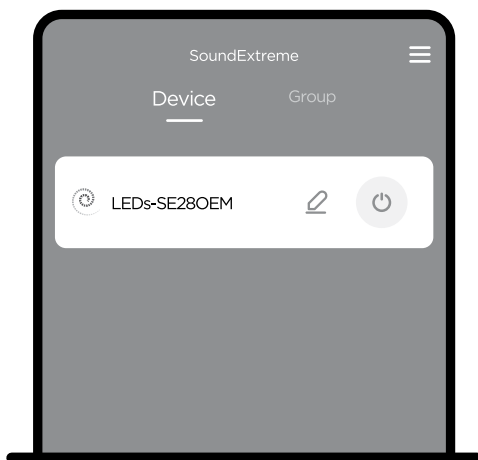


Change Password

To add extra security, you can change the default password of 0000 to your desired 4-digit numeric password. Please note that the password is stored in your SE28, not the SoundExtreme App. So, after you change the password, please make a note in case you forget your password. The password won't be reset by reinstalling the app or changing to another smartphone. The only way to reset your password is to conduct a factory reset on your SE28 soundbar.

Follow the steps below to change your password:

1. Select the Menu Icon  at the top-right corner of the screen.
2. Select  **Device Password** from the menu.



SoundExtreme Smartphone App

- 3. Once at the Device Password screen, select the device that you want to change the password to.
- 4. Enter the current password, the new password, and re-enter the new password. Then tap the **Confirm** button.
- 5. If the change is successfully saved, the app will display a confirmation message.

This is a one-time event. You do not have to enter in your password every time you launch the app, as your app will remember your password.

<

Device password

Device

LEDs-SE28OEM >

Current password

password

New password

password

Reenter new password

password

* The password is 4 characters

Save

Factory Reset

If you forget the password, you will need to do a Factory Reset on the SE28 so that the password is reset to its default value: 0000.

- While the SE28 is turned on, **press and hold** the , , and  Buttons on the Control Panel at the same time for 3 seconds. The SE28 will produce a prompt triple-beep tone, to show that the reset is successful.

Note: Besides the password reset, a Factory Reset will also configure the SE28 to the following factory settings:

- The Audio Source is set to Aux-In Mode.
- The Aux-In signal input gain is set to 12 (80% of full gain).
- All Zones are set to Scene 1 – Patriot 1 with 100% Brightness and the Speed is set to 80%.
- All 5 customer configurable Scenes are set to the Factory Default Scenes.
- All 3 FM station Presets are cleared.
- All the EcoCast and Bluetooth pairing records are erased.

Lighting Control with Control Panel Buttons

There are 5 buttons on the SE28 Control Panel that are used to operate the LED Party Lights in the 4 Zones and the Utility Light on the back of the soundbar. Refer to the following table for an overview of the Lighting Control Buttons functionality.

BUTTON	ACTION	FUNCTION
	Short-Press	· To cycle through the 44 LED Modes in each Zone. · If off, to turn on each Zone.
		
		
	Press and Hold (for 3 seconds)	When on, to turn the corresponding Zone off.
SCENES	Short-Press	· If Party Lights are on, to cycle through the 44 LED Modes in Zone 2. · If off, to turn on Zone 2. · If Utility Light is on, to cycle through the 3 Brightness Levels.
	Press and Hold (for 3 seconds)	When Zone 2 (Light Bar Party Lights) is on, to turn Zone 2 off.
	Short-Press	To cycle through the 5 defined Scenes for all Zones.
SCENES	Press and Hold (for 3 seconds)	To turn on / off the rear-facing Utility Light.

Lighting Control with Control Panel Buttons

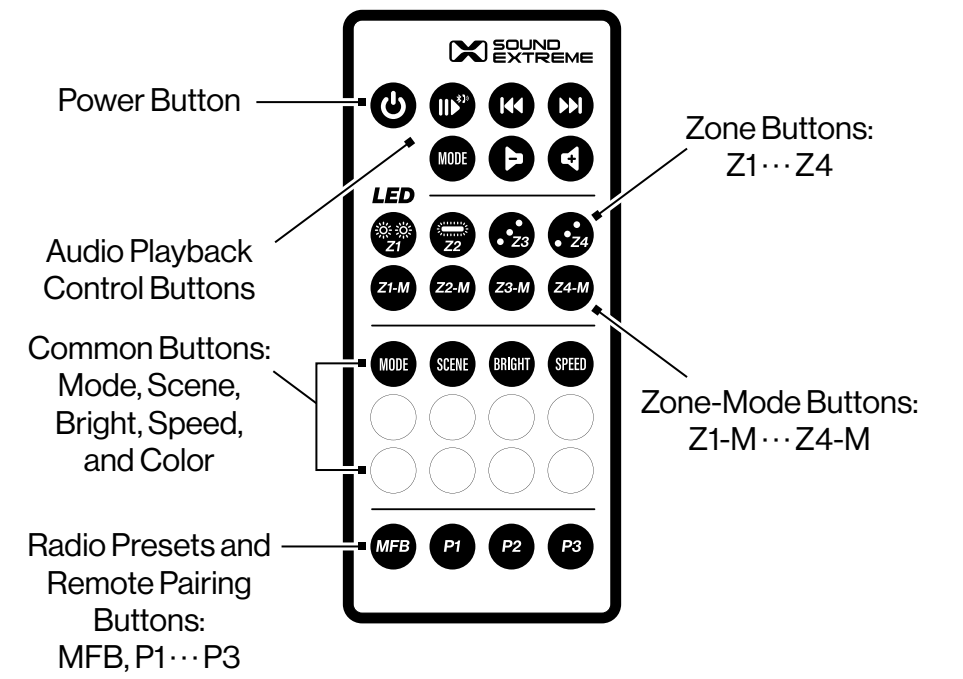
NOTES

- There are 44 distinct LED Modes: 8 Color, 20 Party, & 16 Music Modes. You can also use the SoundExtreme Smartphone App to find a specific LED Mode.
- When turned on, each Zone will enter the last LED status it was in before powering off.
- Once a 44-Mode cycle is completed, the next short-press will turn the lights off. Turning lights back on will restart the cycle.

- There are 44 distinct LED Modes: 8 Color, 20 Party, & 16 Music Modes. You can also use the SoundExtreme Smartphone App to find a specific LED Mode.
- When turned on, Zone 2 will enter the last LED status it was in before powering off.
- Once a 44-Mode cycle is completed, the next short-press will turn the lights off. Turning lights back on will restart the cycle.
- When the Utility Light is on, each short-press will cycle through 3 Brightness Levels: high, mid, and low.

- The Party Lights in all 4 Zones will light up as defined by Scene 1. Each following short-press will cycle through the next 4 Scenes.
- If the Party Lights in Zone 2 are on, turning on the Utility Light will automatically turn the Party Lights in Zone 2 off.

RF Remote Control



The SE28 soundbar comes with a SoundExtreme Universal Remote Control.

If the SE28 plays Aux-In audio, the Playback Control Buttons (Play/Pause & Track) have no function. The Volume Control Buttons are used to adjust the Aux-In signal gain.

Note: The Mode Button is for changing the Audio Source. If you use the Head Unit to play music, do **NOT** press the Mode Button. Otherwise, the soundbar will switch to another Audio Source, resulting in no audio output from your soundbar. You will have to press the Mode Button again until you cycle back to Aux-In Mode.

Basic Functions

1. Power, Mode, and all the Audio Playback Control Buttons on the Remote Control have the same functions as their corresponding buttons on the Control Panel.

Note: There are two Mode Buttons on the Remote Control. The Mode Button at the top is for Audio Mode. The Mode Button in the middle is for LED Party Light Mode.

2. **LED Lighting Control Buttons:** There are 20 buttons on the RF Remote Control that are used to operate the LED Party Lights in the 4 Zones and the Utility Light on the back of the soundbar. The Zone Buttons (Z1...Z4) and Zone-Mode Buttons (Z1-M...Z4-M) affect individual Zones. The Common Buttons (LED Mode, Scene, Bright, Speed, and 8 Color Buttons) affect all 4 Zones at once.
3. **MFB, P1, P2, and P3 Buttons:**
 - When the soundbar is in FM mode, P1, P2, and P3 Buttons serve as 3 Preset Buttons:
 - i. **Press and hold** a Preset Button for 2 seconds to save the current station to the corresponding Preset.
 - ii. Short-press a Preset Button to tune to the saved station corresponding to that Preset Button.
 - In combination with the MFB Button, use the P1, P2, or P3 Buttons to pair one Remote Control with up to 3 speakers / soundbars or to select an individual product to control.

Remote Control Pairing and Speaker Selection

The SoundExtreme Universal Remote Control can pair with and save up to 3 soundbars in its memory as P1, P2, and P3 speakers. The included Remote Control comes paired with the SE28 soundbar as the P1 speaker. You can use it out-of-the-box to control the speaker after it is powered on.

If the speaker does not react when you press a button on the Remote Control, check if the battery isolator (clear plastic strip) on the

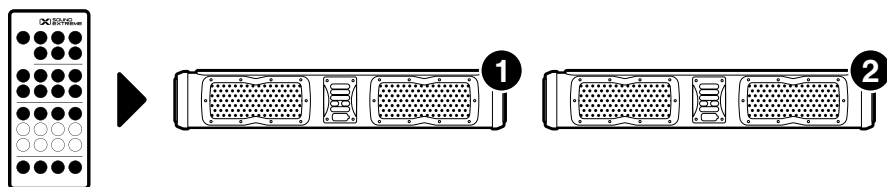
RF Remote Control

Remote battery compartment is removed (pulled out) completely. Then, follow the steps below.

Remote Control Pairing

1. When the soundbar is on, **press and hold** both the  and  Buttons on the speaker at the same time for 3 seconds. The soundbar's LED Party Lights will flash Green, indicating the speaker is ready to pair with a remote.
2. **Press and hold** the MFB Button for 3 seconds, then press P1 (P2, or P3) to save the pairing soundbar as the P1 (P2, or P3) speaker. Once paired, the soundbar's LED Party Lights will rapidly flash Green 3 times.

Select a Soundbar to Control



Assuming your Remote Control has paired with **Soundbar 1** and **2** as P1 and P2 soundbars, **Soundbar 1** is currently controlled by the Remote Control. If you want to use the Remote Control to control **Soundbar 2**, follow the steps below.

1. **Press and hold** the MFB Button for 3 seconds, **Soundbar 1's** Party Lights will flash Blue, indicating your remote is in the process of speaker selection.
2. While **Soundbar 1** is flashing Blue, press P2. The Party Lights on **Soundbar 2** will flash Blue 3 times and produce a prompt double-beep tone, indicating **Soundbar 2** is selected.
3. Press a button on the Remote Control. **Soundbar 2** will produce the corresponding action, while **Soundbar 1** will have no response.

Soundbar Party Lights and Utility Light Control

When the SE28 soundbar is on, you can use the Remote Control to change the Party Lights and Utility Light.

Zone 1 to Zone 4: Party Lights – Lighting Mode Control

1. **Press and hold** the Power Button to turn on / off all the Party Lights.
2. Press the Z1, Z2, Z3, or Z4 Button. The Party Lights will briefly light up Green in ascending order and then shine solid Orange or a random color pattern.
3. Now you can change the LED Lighting Mode by short-pressing one of the Zone-Mode Buttons (Z1-M, Z2-M, Z3-M, or Z4-M) to cycle through the three LED Mode categories for only the corresponding Zone.

Note: There are 44 distinct LED Modes. Instead of using a Zone-Mode Button to cycle through to a desired LED Mode, you can also use the SoundExtreme Smartphone App to find a specific LED Mode.

Common Buttons: Modifying All 4 Zones

You can change the LED Lighting Mode in all 4 Zones with one of the following button presses:

- Short-press the LED Mode Button. Each short-press will cycle through all 44 LED Modes.
- Short-press the Scene Button to cycle through the 5 Scenes.
- Short-press the Bright Button to cycle through 5 levels of brightness.
- Short-press the Speed Button to cycle through 5 levels of speed. The lighting patterns, as defined by the selected LED Lighting Mode, will progress more quickly with each short-press.

RF Remote Control

- Short-press one of the 8 Color Buttons to light the LEDs in the corresponding color

Refer to the **Remote Functions Overview** chart for more details.

Utility Light Control

The Utility Light can be controlled by the Scene Button and the Z2-M Button.

1. **Press and hold** the Scene Button to turn on the Utility Light.
2. When the Utility Light is on, short-press the Z2-M Button to cycle through 3 Brightness Levels: high, mid, and low.
3. **Press and hold** the Scene Button to turn off the Utility Light.

Advanced Functions

Cycle to Previous Mode

As previously indicated, you can cycle through the 44 distinct LED Modes in all 4 Zones or in individual Zones. You can also cycle back to the previous LED Mode:

- To cycle back to the previous LED Mode for **ALL** 4 Zones, double-click the LED Mode Button.
- To cycle back to the previous LED Mode in a single Zone, double-click one of the Zone-Mode Buttons (Z1-M, Z2-M, Z3-M, or Z4-M).

Common Buttons: Modifying a Single Zone

As previously indicated, a short-press of any of the Common Buttons will change the LED lighting effect in all 4 Zones. You can also change the LED lighting effect in only 1 Zone at a time:

1. To activate the Zone you want to change, **press and hold** the Zone Button. For example, **press and hold** the Z1 Button for 3 seconds. The LEDs in Zone 1 will flash Green twice, indicating that Zone 1 is selected.

2. You can now **press and hold** any of the 8 Color Buttons, the Bright Button, or the Speed Button for 2 seconds (instead of a short-press) to modify the LEDs in the selected Zone.
3. To change another Zone, e.g. Zone 3, **press and hold** the Z3 Button. The LEDs in Zone 3 will flash Green twice, indicating that Zone 3 is selected. Follow step 2 to modify the LEDs in Zone 3.

Note: Any time you short-press a Common Button on the Remote, it will change the LEDs in all 4 Zones.

Remote Functions Overview

BUTTON	ACTION	FUNCTION
	Press and Hold (for 3 seconds)	Turn on / off the LEDs in all Zones.
	Short-Press	Turn on / put the soundbar into Standby Mode.
	Short-Press	To play / pause audio.
	Short-Press	· In Bluetooth Mode: To skip to the previous or the next track. · In FM Mode: To tune in a station.
	Press and Hold (for 3 seconds)	In FM Mode: To seek a strong station.
	Short-Press	To Change Audio Modes.
	Press and Hold (for 3 seconds)	To enable EcoCast pairing.
	Short-Press	To increase or decrease the speaker's volume.
	Press and Hold Both (for 3 seconds)	To adjust the volume continually.

NOTES

- When turned on, each of the LEDs will light up Green in ascending order. When turned off, the LEDs light up Red in descending order.
- When in Standby Mode, the speaker consumes minimal power.
- There are 5 Audio Modes – Bluetooth, EcoCast Transmitting, EcoCast Receiving, FM, and Aux-In.
- The speakers will emit a tone to indicate when maximum or minimum volume setting is reached.

Remote Functions Overview

BUTTON	ACTION	FUNCTION
 	Short-Press	To turn on / off each Zone.
 	Press and Hold (for 3 seconds)	To select a single Zone.
   	Short-Press	· To cycle through the three LED Mode categories for the selected Zone. · Z2-M Only: If Utility Light is on, to cycle through the 3 Brightness Levels (high, mid, low).
	Double-Click	To cycle back to the previous LED Mode for the selected Zone.
	Short-Press	To cycle through the three LED Mode categories for all Zones.
	Double-Click	To cycle back to the previous LED Mode for all Zones.
	Short-Press	To cycle through the 5 defined Scenes for all Zones.
	Press and Hold (for 3 seconds)	To Turn on / off the rear-facing Utility Light.

Remote Functions Overview

NOTES

- When turned on, LEDs in the selected Zone will light up Green in ascending order. When turned off, the LEDs light up Red in descending order.
- The LEDs in the selected Zone will rapidly flash Green twice. You can now **press and hold** one of the Common Buttons to change the Brightness, Speed, or Color for the selected Zone.
- There are 44 distinct LED Modes: 8 Color Modes, 20 Party Modes, and 16 Music Modes. You can also use the SoundExtreme Smartphone App to find a specific LED Mode.

- There are 44 distinct LED Modes: 8 Color Modes, 20 Party Modes, and 16 Music Modes. You can also use the SoundExtreme Smartphone App to find a specific LED Mode.

- If the Party Lights in Zone 2 are on, turning on the Utility Light will automatically turn the Party Lights in Zone 2 off.

Remote Functions Overview

BUTTON	ACTION	FUNCTION
	Short-Press	To cycle through 5 levels of Brightness / Speed for all Zones.
	Press and Hold (for 2 seconds)	To cycle through 5 levels of Brightness / Speed for the selected Zone.
	Short-Press	To select the corresponding Color for all Zones.
	Press and Hold (for 2 seconds)	To select the corresponding Color for the selected Zone.
	Press and Hold (for 3 seconds)	To select a speaker to control.
	Press and Hold (for 2 seconds)	When in FM Mode: To save the current station to the P1 Button.
	Short-Press	When in FM Mode: To tune to the station saved to the P1 Button
	Press and Hold (for 2 seconds)	When in FM Mode: To save the current station to the P2 Button.
	Short-Press	When in FM Mode: To tune to the station saved to the P2 Button
	Press and Hold (for 2 seconds)	When in FM Mode: To save the current station to the P3 Button.
	Short-Press	When in FM Mode: To tune to the station saved to the P3 Button

NOTES

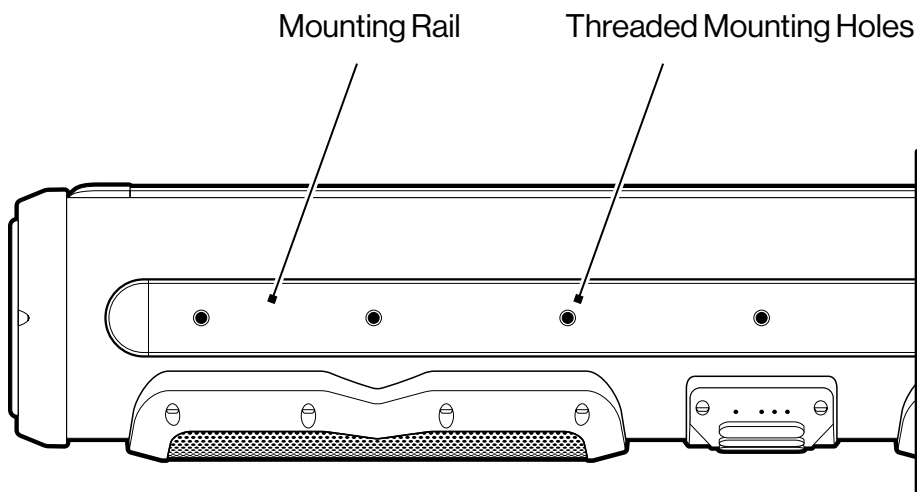
- You must first **press and hold** the corresponding Zone Button to select a Zone before using this feature.
- There are 8 Color Buttons on the Remote Control: Red, Green, Blue, White, Orange, Yellow, Cyan, and Purple. You can also use the SoundExtreme Smartphone App to create a custom color.
- You must first **press and hold** the corresponding Zone Button to select a Zone before using this feature.
- Refer to **Remote Control Pairing and Speaker Selection** for more details.
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- Refer to **Remote Control Pairing and Speaker Selection** for more details.

Installation and Wiring

If your SE28 comes with your vehicle, make sure you follow your vehicle's user guide or vendor's instructions for the soundbar installation.

If you purchase an SE28 for your vehicle, you will need to mount the soundbar to your vehicle and connect it to a 12V power supply. If you want to use the vehicle Head Unit to play music, you will also need to route the audio cable and make a wired connection between the Head Unit and the soundbar Aux-In Jack.

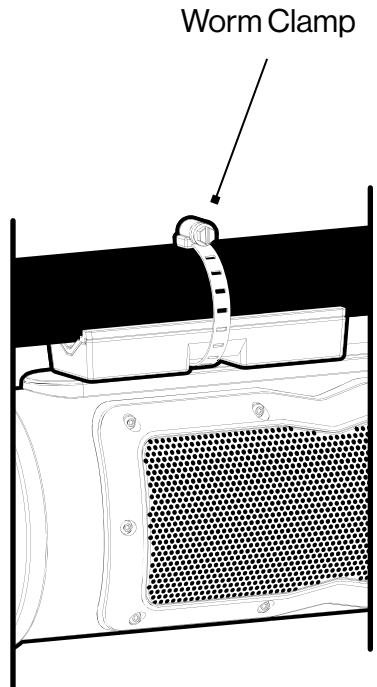
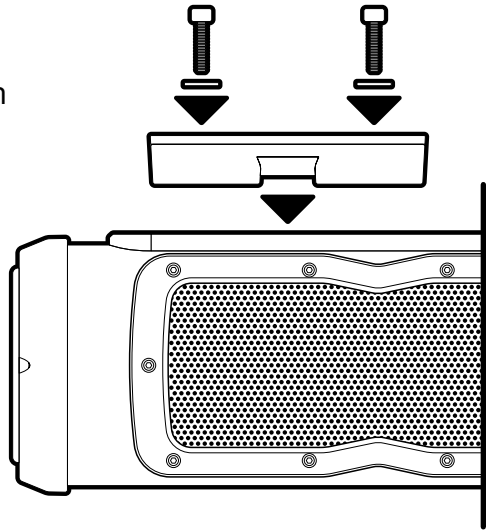
Mounting Your Soundbar



The SE28's integrated mounting rail has threaded mounting holes. You can follow the steps below to mount the SE28 to a vehicle's crossbar with the included V-Mounting Brackets. Check out other mounting accessories at www.soundextreme.com.

1. Take out the 2 sets V-Groove Mounting accessories from the SE28 package. Each set has (1pc) V-Groove Mount Assembly, (2 pcs) ¼-20 SHCS 0.75" long bolts, and (2 pcs) ¼-20 washers.

2. At both ends of soundbar mounting rail, place one V-Groove Mount Assembly on the rail, screw two bolts and washers into the threaded mounting holes on the rail. Tighten securely.
3. There are 2 sets of worm clamps with different size and 2 rubber sleeves in the package. Choose the right size of worm clamps for your installation.
4. Attach the soundbar underneath the vehicle's crossbar. Wrap the worm clamp band's free end around the crossbar and push through the square groove channel between the mount and the soundbar.
5. Attach the rubber sleeve to the worm clamp bend, then insert the band's free end into the worm drive housing to engage the bend. Use a screwdriver to turn the worm gear clockwise, applying gradual pressure until secure.



Installation and Wiring

Connecting to 12V DC Power Supply

The SE28 does **NOT** have an internal battery. It **MUST** be connected to an external 12V DC power supply to function. When you install the SE28 to a battery or a voltage regulator on a golf cart, a boat, a quad bike, a UTV, or another vehicle, you need to make sure that your vehicle battery or battery pack terminal voltage is 12VDC. If the battery terminal voltage is not 12V, you will need a DC-DC converter with a 12V output and 25A capacity. Connecting the SE28 to a non-12VDC power source will lead to a malfunction or damage to the speaker.

WARNING: Even when powered off, the SE28 will continue to draw minimal power from your battery. To prevent draining your battery when your SE28 or powersports vehicle are not in use for more than 48 hours, unplug the SE28 from the battery or add a 25A toggle switch. (Toggle switch sold separately.)

Installation: 12V Power-In SAE Connector



1. Attach the 8ft Power Cable to the 12V Power-In SAE Connector.

Use Caution: Do **NOT** connect to 12V Battery if the Power-In SAE Connector is wet. Contact may cause electric shock and injury if wet.

2. Remove the 25 Amp Blade Fuse from the Fuse Holder.

Use Caution: Do **NOT** remove Fuse if the Fuse Holder is wet. An improperly fitted cap may cause electric shock and injury if wet.

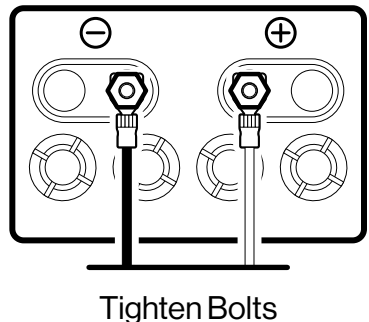
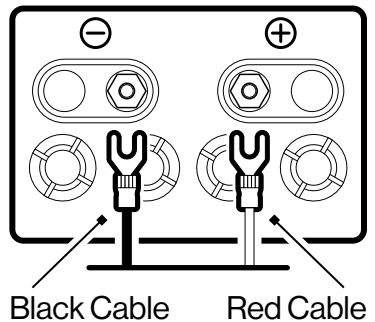
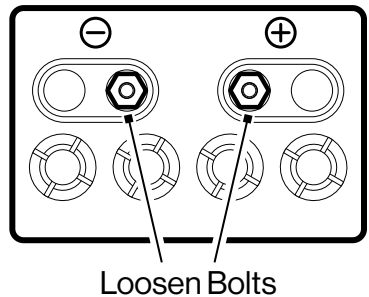
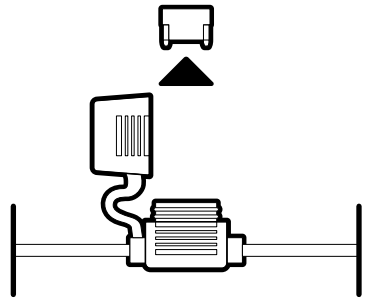
3. To close properly, push firmly to be sure the cap snaps into place.
4. Next follow either the **Gas Vehicle** or **Electric Vehicle** Installation instructions.

Installation: Gas Vehicle

1. Loosen the bolts on the battery terminals.

Use Caution: Do **NOT** attempt to loosen bolts if battery is wet. Contact may cause electric shock and injury if wet.

2. Connect the **BLACK** wire to the **BLACK**, negative terminal, then the **RED** wire to the **RED**, positive terminal. Unit will not work correctly and may be damaged if wires are not correctly attached.
3. Tighten the bolts on the battery terminals until the connectors are held firmly in place.



Installation and Wiring

- Return the 25 Amp Blade Fuse into the Fuse Holder and close the cap.

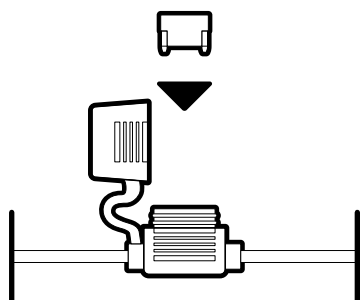
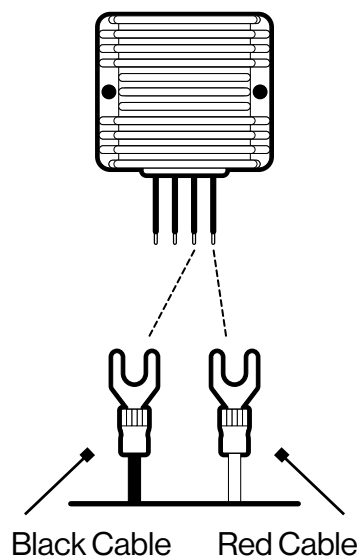
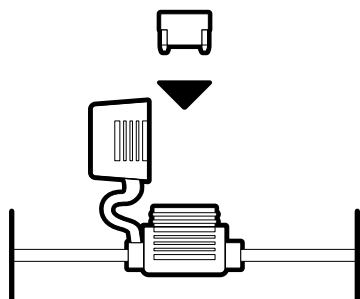
Tip: Use zip ties to gather any excess wires, and secure them so that they are not dangling, loosely.

Installation: Electric Vehicle

- Switch your vehicle to Tow mode, if available.
- Wire the **BLACK** wire to the **GROUND** on output of the DC-DC converter.
- Wire the **RED** wire to the **POSITIVE (+)** post on the output of the DC-DC converter. Unit will not work correctly and may be damaged if wires are not correctly attached.
- Return the 25 Amp Blade Fuse into the Fuse Holder and close the cap.

Use Caution: Do **NOT** connect to DC-DC converter if the 8ft Power Cable or the Power-In SAE Connector are wet. Contact may cause electric shock and injury if wet.

Tip: Use zip ties to gather any excess wires, and secure them so that they are not dangling, loosely.



LED External LEDs to SE28 Lighting Control Outputs

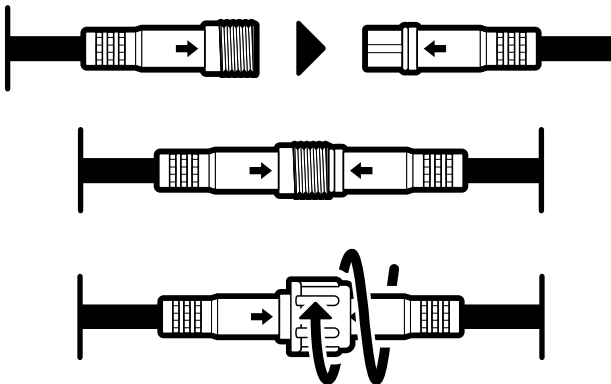


If you purchase an LEDCast-enabled LED product and want to connect it to the SE28, use the included Deutsch LED Cable to make the connection. The Cable has a Deutsch female connector on one end, and two 3-pin, round, female connectors on the other end.

1. Remove the rubber cap on the speaker's Deutsch Connector Jack.

IMPORTANT: Please keep it stored safely for later use. When you remove the Deutsch Cable from your SE28, you **MUST** use the included rubber cap to cover the Deutsch Jack. Failing to do this may result in potential water or moisture penetration into the jack connector pins, cause damage to the speaker, and **VOID THE PRODUCT WARRANTY.**

2. Plug in the Deutsch LED Cable into the Jack.



3. Connect the 3-pin female connector on the Deutsch LED Cable to the 3-pin male connector on an LEDCast-enabled product. Align the arrow on both connectors, push in and screw the nut cap on the female connector.

Installation and Wiring

Aux-In Audio Connection

1. Gently pull out the rubber cap from the Aux-In Jack.
2. Plug in a 3.5mm audio cable (not included) into the audio output on the vehicle Head Unit.
3. Plug in the other end of the 3.5mm audio cable into the SE28 soundbar's Aux-In Jack.

Aux-Out Audio Connection

1. Gently pull out the rubber cover from the Aux-Out Jack.
2. Plug in a 3.5mm audio cable (not included) into the audio input on the external audio device.
3. Plug in the other end of the 3.5mm audio cable into the SE28 soundbar's Aux-Out Jack.

The SE28 supports multiple Audio Source playback options. Besides the Aux-In Audio Source, the soundbar also has Bluetooth and FM radio features, which allow you to:

1. Wirelessly connect your phone directly to the soundbar.
2. Tune to an FM radio station on the soundbar.

In both cases, you don't need to turn on your Head Unit.

Connecting and Playing Bluetooth Audio

1. Press the Power Button  briefly to turn the speaker on.
2. Short-press the Audio Mode Button  to cycle through the Audio Modes until you hear, "Speaker Mode," announced.
3. On your phone's Bluetooth settings, select '**SoundEx-SE28OEM**' to pair. If you don't see the speaker's name, turn your phone's Bluetooth off and back on again to refresh the list, or short-press the Bluetooth Button  on the speaker to enable Bluetooth Pairing again.
4. Wait for a few seconds. Once the pairing and connection are complete, the speaker will announce, "Your phone is connected," and the Bluetooth LED Status Indicator will light up solid Blue.
5. Once connected, select and play your desired audio. You can now use the Play / Pause Button, Volume Control Buttons, or Track Buttons to control your audio.

Dual Simultaneous Connections and Switching Media Player Between Two Phones

Your SE28 is capable of maintaining simultaneous connections with two smartphones, which allows you and your family or friends to share music on the soundbar by switching the music playback between your phone and your family member or friend's phone.

Other Audio Sources

Follow the steps outlined below to switch back and forth between two phones.

1. Connect your phone to the soundbar.
2. Short-press the Bluetooth Button  on the SE28. This will disconnect your phone and enable Bluetooth pairing. Connect another phone to the SE28.
3. Short-press the Power Button  on the SE28. The speaker will turn off. Then short-press the button again to turn the speaker on.
4. Your SE28 will automatically reconnect to both phones.
5. Play a selected music track on your phone. Your SE28 will play your music.
6. On the other phone, select a music track to play. Your SE28 will play the music from the other phone. The media player on your phone will pause or stop.
7. If you want to switch back to your phone, press the play button on your phone's media player, your SE28 will play the music on your phone. The media player on the other phone will pause or stop.

Listening to FM Radio

Recommendation: Turn the LED Party Lights off when searching for a radio station. LED lights can create interference with some FM radio frequencies.

Station Tuning

- Short-press the Audio Mode Button  to cycle through to FM Mode, the speaker will announce, "FM Mode."
- Short-press  or  to tune in a radio station.
- **Press and hold**  or  to seek a strong station.
- Short-press  or  to adjust the volume.

EcoCast – Stream Music Between Multiple Speakers



The SE28 has EcoCast built-in, which allows the soundbar to broadcast (transmit) or receive wireless audio streams to or from other EcoCast-enabled products.

EcoCast Streaming: Two Modes

Use the Audio Mode Button  to set the speaker into EcoCast Transmitting Mode or EcoCast Receiving Mode:

1. **EcoCast Transmitting Mode:** When set in this Mode, the EcoCast Transmitting speaker broadcasts audio to multiple wireless connected EcoCast-enabled speakers.

The Transmitting speaker's audio streaming can be the music played from your phone (via Bluetooth), FM Radio, or Aux-In Audio.

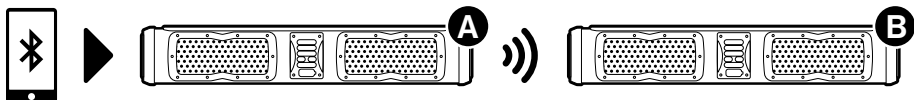
2. **EcoCast Receiving Mode:** When set in this Mode, the soundbar will receive audio from an EcoCast Transmitting speaker, soundbar, or radio.

Notes:

- When set to Speaker Mode, the Amplified Speaker turns the EcoCast capability off.
- When you have two or more soundbars or other ECOXGEAR or SoundExtreme speakers bearing the EcoCast symbol , you can build a broadcast system by initiating EcoCast Transmitting Mode in one soundbar and broadcasting your music to one or more EcoCast-enabled speakers in EcoCast Receiving Mode.

Other Audio Sources

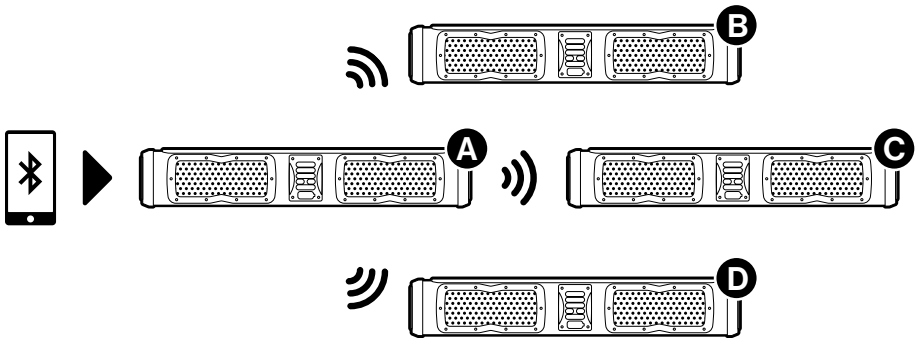
EcoCast: First Two Amplified Speakers



Follow the steps below to pair two SE28 speakers:

1. Follow the **Connecting and Playing Bluetooth Audio** instructions to connect one soundbar (**Speaker A**) to your Bluetooth device. After your device is connected to **Speaker A**, you can play your desired audio.
2. Press the Audio Mode Button  to put **Speaker A** into EcoCast Transmitting Mode. The Mode LED Status Indicator will flash Red, and the speaker will announce, "EcoCast transmitting."
3. Turn on the other soundbar (**Speaker B**) and press the Audio Mode Button to cycle through to and initiate EcoCast Receiving Mode. The Mode LED Status Indicator will flash Green, and the speaker will announce, "EcoCast receiving."
4. Once the connection between the soundbars is successful, **Speaker B** will announce, "Connection successful," and start playing audio.

EcoCast: Additional Receiving Speakers



1. Turn on the additional EcoCast-enabled speakers (**Speaker C** and **Speaker D**) and press the Audio Mode Button  to cycle through to and initiate EcoCast Receiving Mode. The Mode LED Status Indicator will flash Green, and the speaker will announce, "EcoCast receiving."
2. On **Speaker A** (the speaker with the Mode LED Status Indicator shining solid Red), **press and hold** the EcoCast Button  for 3 seconds. The Mode LED Status Indicator will flash Red / White.
3. Once the connection between the speakers is successful, **Speaker C** (and **Speaker D**) will announce, "Connection successful," and start playing audio.

Notes:

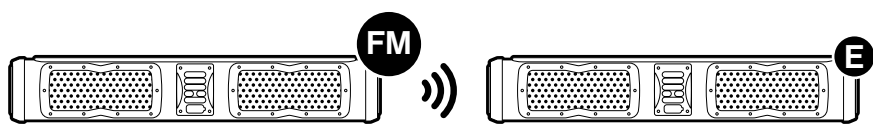
- If all the speakers are turned off, then turned on, the speakers in EcoCast Receiving Mode (**Speakers B, C, and D**) will automatically reconnect to the speaker in EcoCast Transmitting

Other Audio Sources

Mode (**Speaker A**). If they do not automatically reconnect, please follow the above steps to reconnect.

- The EcoCast functionality has a maximum range of 30 feet between speakers.
- While connecting the speakers, make sure that they are within a few feet of each other.

EcoCast: Streaming Your FM Radio Station or Aux-In Audio to Multiple Speakers



The SE28 soundbar (**Speaker FM**) also has the capability to stream FM radio stations or Aux-In Audio to other EcoCast-enabled speakers in Receiving Mode.

When playing an FM radio station, the SE28 automatically enables EcoCast Transmitting; however, each time the Audio Mode is switched to Aux-In Audio, EcoCast Transmitting is disabled.

- To enable EcoCast Transmitting, press the  and  Buttons on the Control Panel at the same time. The SE28 will announce, "EcoCast enabled."
- To disable EcoCast Transmitting again, press the  and  Buttons on the Control Panel at the same time. The SE28 will announce, "EcoCast disabled."

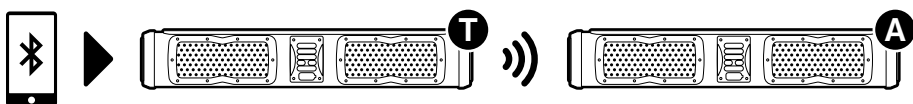
To transmit FM or Aux-In Audio streaming via EcoCast, follow the steps below:

1. Turn on another EcoCast-enabled speaker (**Speaker E**), press the Audio Mode Button  to cycle through to EcoCast Receiving

Mode. The Mode LED Status Indicator will flash Green, and **Speaker E** will announce, “EcoCast receiving.”

2. On **Speaker FM**, **press and hold** the EcoCast Button  for 3 seconds. The Mode LED Status Indicator will flash Red and White.
3. Once the connection between the speakers is successful, **Speaker E** will announce, “Connection successful,” and start playing audio.

Play Audio Streams From Another EcoCast-Enabled Speaker



If there is an EcoCast-enabled speaker in EcoCast Transmitting Mode nearby, you can set your SE28 soundbar (**Speaker A**) to EcoCast Receiving Mode and play audio streams from the EcoCast Transmitting speaker (**Speaker T**):

1. Turn on **Speaker A**, press the Audio Mode Button  to cycle through to EcoCast Receiving Mode. The Mode LED Status Indicator will flash Green, and the speaker will announce, “EcoCast receiving.”
2. On **Speaker T**, **press and hold** the EcoCast Button for 3 seconds. The LED Status Indicator will flash Red.

Note: If **Speaker T** is not an SE28 soundbar, it may require a different button operation to enter EcoCast Transmitting (Pairing Ready) Mode. Please refer to **Speaker T's** User Guide.

3. Once the connection between the speakers is successful, **Speaker A** will announce, “Connection successful,” and start playing audio.

Other Audio Sources

Note: A speaker in EcoCast Receiving Mode will play at the same volume level (Volume Sync) as received in the audio streams from the EcoCast Transmitting speaker. You can press  or  on the EcoCast Receiving speaker to adjust the volume for the EcoCast Receiving speaker only. However, as soon as the EcoCast Transmitting speaker has a playback change (e.g., track change or a volume change), the EcoCast Receiving speaker will once again Volume Sync with the Transmitting speaker.

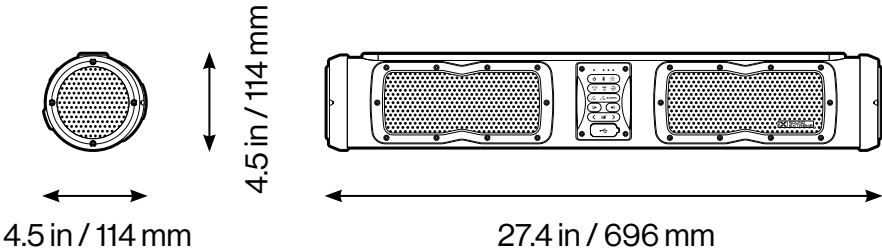


soundextreme.com

EXTREME INNOVATION
for YOUR LIFESTYLE

Specifications

Unit Dimensions



Unit Weight

11 lbs

Bluetooth Compliance

Bluetooth V 5.1

Bluetooth Frequency Band

2.402~2.480GHz ISM Spectrum

Modulation

GFSK, $\pi/4$ -DQPSK, 8DPSK

Bluetooth Range

Up to 100 ft / 30m

Tweeter (2x)

1.5" (38 mm) tweeter

Woofers (2x)

4" (102 mm) woofer

Mid-Range Speaker (4x)

2.25" (57 mm) speaker

Audio Output Power

500W (peak)

Power Supply

Input Voltage: 12VDC, 25A
(requires connection to external
DC battery for power)

USB Output

5V, 2.1A

EcoCast Range

30 ft / 9.1 m between Casting
speaker and Receiving speakers

Radio Frequency Range

US: FM 87.5 - 107.9 MHz

RF Remote Operating Frequency

433 MHz

Power Cable In-Line Blade Fuse

25A, 32V

Storage Temperature

-40°F to 122°F / -40°C to 50°C

Operating Temperature

23°F to 95°F / -5°C to 35°C

Waterproof / Dustproof Rating

IP66

Important Legal Information

FCC STATEMENT:

This device complies with Part 15 of the FCC Rules. Operation 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.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator to your body.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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 the dealer or an experienced radio/TV technician for help.

RF WARNING STATEMENT:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC STATEMENT:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

PRODUCT USE AND PROTECTION:

Read and follow all instructions. Use only as intended.

The SoundExtreme unit is intended to be used indoors or outdoors and in land or water environments. The unit has been tested to IP66 waterproofing standards, which means the unit can be exposed to dust and water, but should **NOT** be submerged underwater.

To prevent fire or shock, do **NOT** attempt to power this unit if it is wet or you suspect water has entered the unit. In this situation, please return the unit to SoundExtreme for a free assessment. If we have found that the unit has carried water, we will repair or replace the unit free of charge.

SAFETY ADVISORY & WARNING:

Read and follow all instructions. Use only as intended.

SAFETY:

This product has a limited life span of use and should be replaced when it shows obvious signs of wear.

Do not modify or remove any original component parts of the speaker. Doing so could cause damage to the unit, allowing water to ingress. A unit with water ingress should not be charged due to potential risk of fire or shock.

Please exercise care and good judgment when using your SoundExtreme unit.

You should always

- 1.) Return the unit to SoundExtreme if you suspect water ingress into the unit or if the unit has experienced a severe impact that may have affected the integrity of the unit to take on water.

Important Legal Information

You should never

- 1.) Never power your SoundExtreme unit if you suspect water has entered the device. Powering a device with water inside could be potentially hazardous and cause fire or a spark.
- 2.) Never use your SoundExtreme unit if you have dropped it or thrown it against a hard surface which may have destroyed the integrity of the housing. In the event of a severe impact to your unit, please return the unit to SoundExtreme to review for potential damage.
- 3.) Never attempt to fix, repair your SoundExtreme unit. Please send it back to SoundExtreme for any assessments and repairs.

CARE, MAINTENANCE & PRECAUTIONS:

- 1.) Do **NOT** apply excessive force to any surfaces of the unit.
- 2.) Do **NOT** use or store the unit in places with high temperature.
- 3.) **AVOID** prolonged exposure to ultraviolet radiation (UV sunlight) and strong magnetic fields.

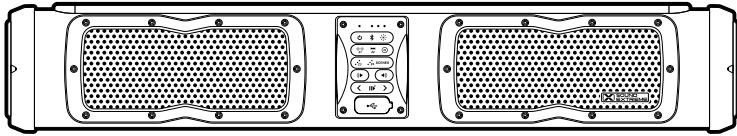
LIMITED MANUFACTURER'S WARRANTY:

The SE28 is covered by a 1-year limited warranty that covers defects in workmanship and / or materials for a period of 1 year from original purchase date. This warranty does not apply to any products which have been abused, neglected, modified or used for a purpose other than the one for which they were manufactured. Please refer to the above care and maintenance instructions for suggested care details. The warranty is valid only for the original owner who purchases the unit from an authorized dealer. Transfers do not qualify for warranty protection. SoundExtreme reserves the right to replace any out-of-stock or discontinued product with a comparable product. Discontinued products may not be available for warranty replacement. Any contents are **NOT** covered by the limited manufacturer's warranty. Warranty terms may be revised without notification at the discretion of the manufacturer. Please visit www.soundextreme.com for additional product & warranty information.



SE28 by SoundExtreme Inc., Houston, Texas.
Designed in Texas. Made in China.

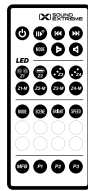
What's in the Box



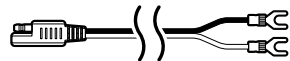
SoundExtreme Speaker



SoundExtreme
User Guide



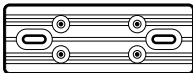
RF Remote
Control



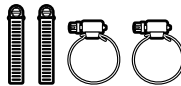
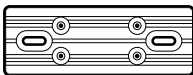
8ft Power Cable



6-pin Deutsch to 2
3-pin LED Connectors



(2x) V-Groove
Mounts



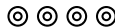
(4x) Worm Clamps
- 1/2" Width



(2x) Rubber
Sleeves



(4x) 1/4-20 SHCS
Bolt - 0.75" long



(4x) 1/4-20
Washer (S)



Allen Wrench
for 1/4-20