



SoundExtreme SE18 version

Models: GDI-EXSE1801

POWERSPORTS AMPLIFIED SOUNDBAR



User Guide

What's in the Box



SoundExtreme Speaker



6ft Power Cable



SoundExtreme
User Guide



SoundExtreme
Remote Control



Auxiliary Power Out Mating Connector



(2x) 1/4-20 SHCS
Bolt - 0.5" long



(2x) 1/4-20 SHCS
Bolt - 1.25" long



Allen
Wrench (S)



Allen
Wrench (L)



(2x) 1/4-20 SHCS
Bolt - 2" long



(2x) 1/4-20 Stud -
1.5" long



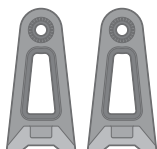
(2x) L-Brackets



(2x) M8 Bolt -
16mm long



(2x) 1/4-20 Button
Head Bolt -
0.375" long



(2x) Mounting
Brackets



(2x) Rubber
Feet



(2x) M8 Flange Nut



(2x) 1/4-20 Nut

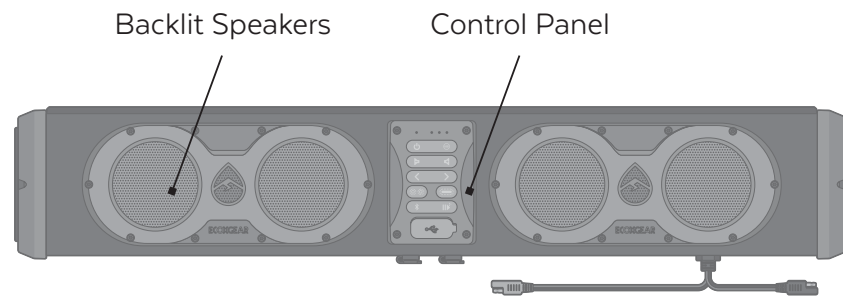


(2x) 1/4-20
Washer (S)

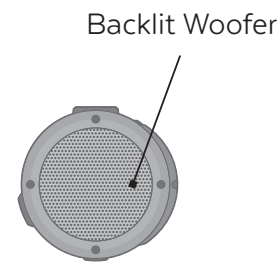


(2x) 1/4-20
Washer (L)

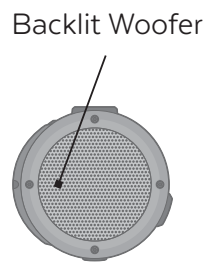
SoundExtreme Layout



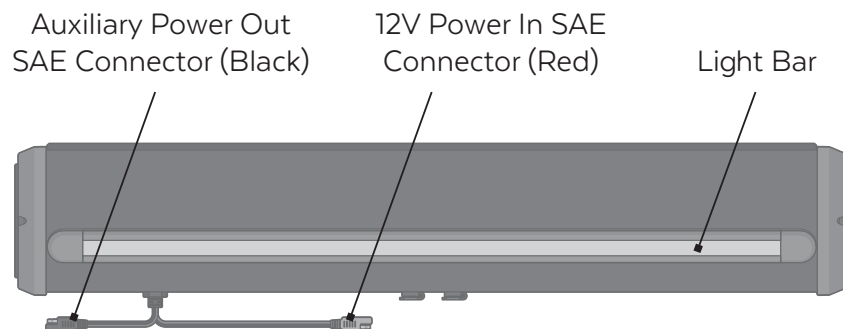
FRONT



LEFT SIDE



RIGHT SIDE



BACK

You should always

- 1.) Use the ECOXGEAR speaker in accordance with any music or noise rules and regulations.
- 2.) Properly seal the ECOXGEAR prior and after each use when in humid or water environments to avoid water damage to the internal components. Salt water / air is particularly corrosive. Always make sure that the gaskets are sealed when in a salt water environment and that the unit is properly rinsed off after use.
- 3.) Properly clean the ECOXGEAR and ensure the gaskets have no sand, dirt, or water on them prior to storage.
- 4.) Store your unit with all caps properly sealed to avoid long term internal moisture damage inside your unit.
- 5.) Completely dry and clean your ECOXGEAR prior to attempting to charge the unit.
- 6.) Return the ECOXGEAR to Grace Digital 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.

You should never

- 1.) Never charge your ECOXGEAR if you suspect water has entered the device. Charging a device with water inside could be potentially hazardous and cause fire or a spark.
- 2.) Never use your ECOXGEAR if you have dropped it or thrown it against a hard surface which may have destroyed the integrity of the speaker, housing, or gaskets. In the event of a severe impact to your unit, please return the unit to Grace Digital to review for potential damage.
- 3.) Never open the auxiliary doors in a water environment. This could cause water to ingress into the unit which could potentially be hazardous and cause a fire or a spark.
- 4.) Never connect a device to the auxiliary input jacks when in a water environment. The auxiliary jacks should only be used in a dry environment.
- 5.) Never attempt to fix, repair your ECOXGEAR unit. Please send it back to Grace Digital for any assessments and repairs.

CARE, MAINTENANCE & PRECAUTIONS:

- 1.) The unit is waterproof only when the caps and door are properly closed.
- 2.) Close the caps and door properly before use. If the unit is placed in water without the caps or door properly closed, water may enter into the unit and void your warranty.
- 3.) Dry unit completely before opening the caps or door. Do **NOT** open the caps or door if wet or in a wet environment.
- 4.) Do **NOT** apply excessive force to any surfaces of the unit when wet or in a wet environment.
- 5.) Do **NOT** use or store the unit in places with high temperature.
- 6.) **AVOID** prolonged exposure to ultraviolet radiation (UV sunlight) and strong magnetic fields.
- 7.) Periodically check the rubber seal on the caps and door for premature wear.
- 8.) Periodically clean the rubber with a soft moist cloth and ensure no objects such as dirt, hair, sand are on the rubber seal ring. Do **NOT** use any oily solvent or chemicals for cleaning.
- 9.) Rinse off the unit with tap water after use in salt water or swimming pool.
- 10.) Power and / or charge the built-in rechargeable battery for portable use by connecting the AC cord to an AC outlet.
- 11.) Noise and audio distortion may occur when the batteries are nearing end of charge.
- 12.) Do **NOT** remove the built-in battery. Do **NOT** remove the grill covers.

LIMITED MANUFACTURER'S WARRANTY:

SoundExtreme 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. Grace Digital 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.ecoxgear.com for additional product & warranty information.



SoundExtreme by ECOXGEAR, a division of Grace Digital Inc., San Diego, California.

Designed in California. Made in China.

Patents Pending.

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:

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:

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

IC STATEMENT:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

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

PRODUCT USE AND PROTECTION:

Read and follow all instructions. Use only as intended.

The ECOXGEAR Bluetooth speaker is intended to be used indoors or outdoors and in land or water environments. The speaker has been tested to IP66 waterproofing standards, which means the speaker can be exposed to dust and water, but should not be submerged underwater. The speaker is **NOT** intended for constant underwater use.

Always make sure the cap(s) / cover(s) are clean, free from sand or debris, and correctly fitted. The speaker will only meet IP66 ratings if all rubber seals, gasket(s) and cover(s) / cap(s) are in place. If you notice a muffling of audio after submersion, gently shake the unit to clear excess water. If your speaker is exposed to salt water, clean it thoroughly after use with fresh water.

The power cable and the unit with an improperly fitted cap are **NOT** waterproof.

To prevent fire or shock, do **NOT** attempt to charge this unit if it is wet or you suspect water has entered the unit. In this situation, please return the unit to Grace Digital 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:

CAUTION: Do **NOT** open to repair. A qualified technician must carry out repair work.

Read and follow all instructions. Use only as intended.

ATTENTION: Do **NOT** charge while the unit is wet. Towel dry the unit **AND** make sure all connections are dry **BEFORE** plugging in the charging connector. Failure to do so may result in electrical damage to the unit and may void the warranty.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

WARNING: Danger of explosion if battery is incorrectly replaced.

CAUTION: The unit can be used with the main power cord disconnected, the unit is readily operable with the main power cord disconnected.

ATTENTION: Do **NOT** dispose of in a landfill. Contact Grace Digital at www.gracesupport.com or a certified recycling agent to dispose of the unit.

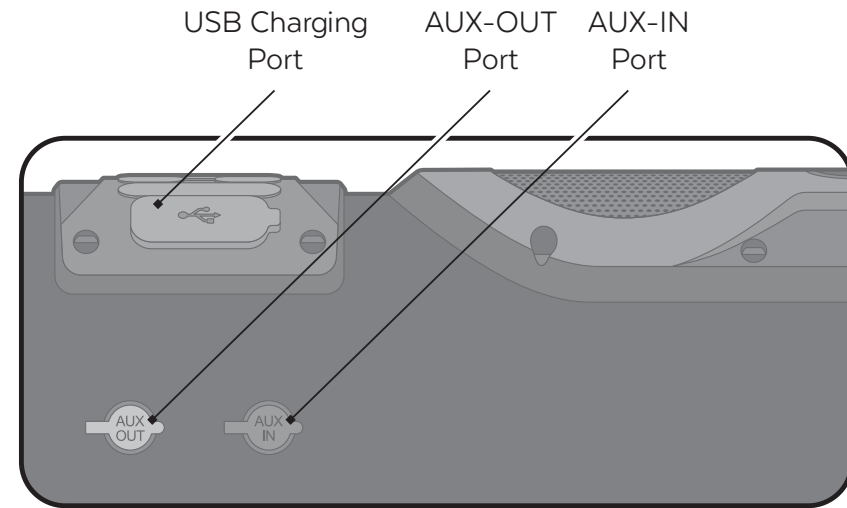
SAFETY:

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 ECOXGEAR speaker. Audio levels should be appropriate to your environment, comply with all local regulations, and always ensure that you can hear and be aware of any potential hazards around you.

In/Out Connections



BOTTOM

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

AUX-IN: This input can be used to connect a CD player, MP3 player, etc.

AUX-OUT: This output can be used to connect to an amplifier or to another speaker AUX-IN connection.

USB Charging Port: Connect your device's charge cable here to charge it. USB charging only functions when the SoundExtreme's power is turned on. USB port rating is 5V, 2.1A.

Important: Maintaining Waterproofness

If the caps on the control panel, the AUX-IN, and AUX-OUT Ports are not properly closed, the unit is **NOT** watertight.

To close properly, push firmly to be sure the cap fits flat along the edges with the panel.

Connecting to 12VDC Power Supply

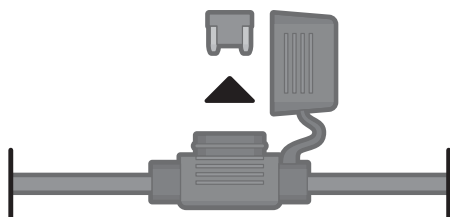
The SoundExtreme does not have an internal battery. It must be connected to an external 12VDC power supply to function. When you install the SoundExtreme to a battery or a voltage regulator on a golf cart, a boat, a quad bike, a UTV, or another vehicle, you need to make sure that your vehicle battery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

WARNING: Even when powered off, the SoundExtreme will draw a small amount of power from your battery. To prevent draining your battery when your SoundExtreme or powersports vehicle are not in use for more than 48hrs, we suggest unplugging the SoundExtreme from the battery or adding toggle switch. (Toggle switch sold separately.)



Attach the 6ft Power Cable to the 12V Power In SAE Connector (RED).

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.



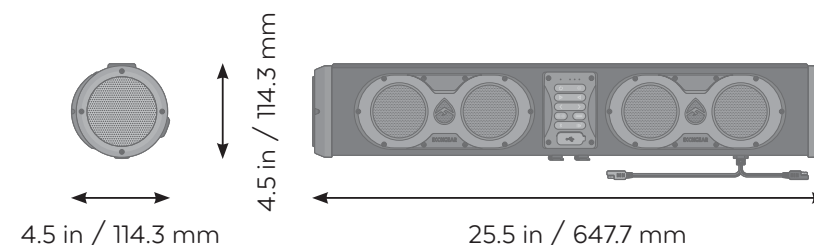
Remove the 15 Amp Blade Fuse from the Fuse Holder.

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

To close properly, push firmly to be sure the cap snaps into place.

Specifications

Dimensions



Bluetooth Compliance

Bluetooth V 5.0

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" (25.4 mm) tweeter

Woofers (2x)

4" (101.6 mm) woofer

Mid-Range Speaker (4x)

2.25" (57.15mm) speaker

Audio Output Power

500W (peak)

Power Supply

Input Voltage: 12VDC, 10A
(requires connection to external DC battery for power)

USB Output

5V, 2.1A

EcoCast

Using Qualcomm® Broadcast Audio technology

EcoCast Range

30 ft / 9.1 m between Casting speaker and Receiving speakers

Compatibility

Mobile phone/device supporting Bluetooth V1.1 (and above)

Radio Frequency Range

US: FM 87.5 - 107.9 MHz

RF Remote Operating Frequency

433 MHz

Blade Fuse

15A, 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 / Dust Rating

IP66

Troubleshooting

The sound is distorted

Try lowering the volume control of your connected device or musical instrument. Also, try to reduce the overall volume of the SoundExtreme.

Cannot Pair With Bluetooth Device

Make sure that your device is compatible with Bluetooth. Turn off your SoundExtreme and Bluetooth device, then power on and reconnect. Make sure that Bluetooth mode is selected on your SoundExtreme.

If there is poor FM reception

To adjust FM reception, move entire product.

Can NOT play music from a flash drive

The USB ports are only for charging USB devices.

Volume level is too low

Increase the volume on the SoundExtreme and / or increase the volume on your Bluetooth device.

Please do NOT attempt to fix your SoundExtreme

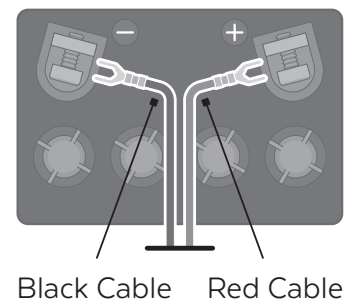
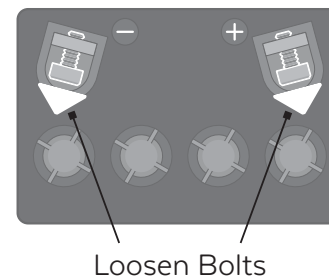
Please contact our Customer Support at support@gracedigital.com or call us at **866.446.0961**.

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.

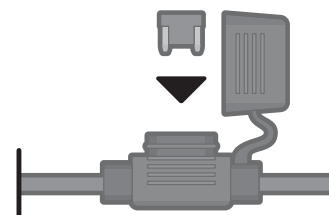
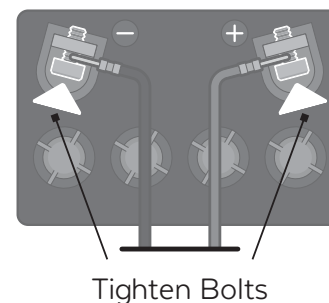
2. Connect the **BLACK** wire to the **BLACK**, negative terminal, then the **RED** wire to the **RED**, positive terminal. Unit will not work correctly and may be damaged if wires are not correctly attached.
3. Tighten the bolts on the battery terminals until the connectors are held firmly in place.
4. Return the 15 Amp Blade Fuse into the Fuse Holder and close the cap.



Installation: Electric Vehicle

1. Switch your vehicle to TOW mode.
2. Loosen the bolts on the battery terminals.
3. Connect the **BLACK** wire to the **GROUND** on the DC-DC Converter, then the **RED** wire to the **POSITIVE (+)** post on the DC-DC Converter. Unit will not work correctly and may be damaged if wires are not correctly attached.
4. Tighten the bolts on the battery terminals until the connectors are held firmly in place.
5. Return the 15 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.



Controls

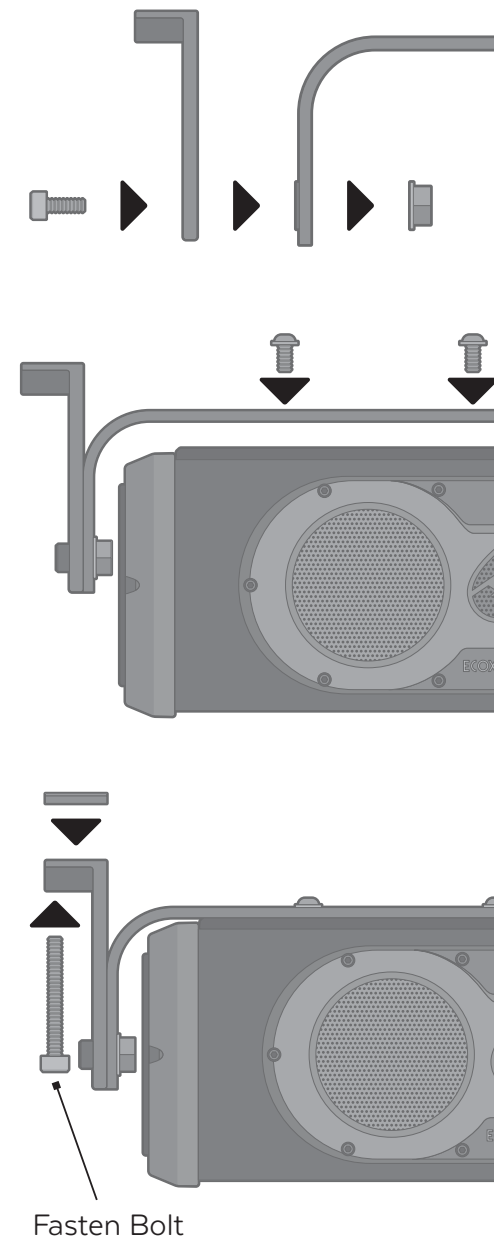
1. **LED Indicators:** Each of the 4 LEDs correspond to different functions: Power, Bluetooth, Mode, and Status.
2. **Power Button:** Press button to turn the SoundExtreme on / off.
3. **Mode Button:** Press button to cycle through the following modes: Bluetooth, EcoCast Transmitting, EcoCast Receiving, FM, and AUX-IN.
4. **Volume Control Buttons:** Press to adjust the speaker's volume. Press and hold to adjust the volume continually.
5. **Track Buttons:** Press buttons to go to the previous / next track on a paired Bluetooth device.
6. **Backlight Speakers Button:** Press to cycle through the following 4 Party Light Modes: Green Light, Red Light, Music Sync, and Fading.
7. **Light Bar Button:** Press to cycle through the following 4 Light Modes: Red Light, White Light (High), White Light (Mid), and White Light (Low). Press and hold to enable / disable Accessory Mode (which turns on/off the Auxiliary Power Out connection).
8. **Bluetooth Button:** When in Bluetooth Mode, if the Bluetooth LED Indicator is not flashing Blue, press this button to enter Bluetooth Pairing mode. If your device is paired (solid Blue LED), press button to disconnect. Press and hold this button for 5 seconds to clear all pairing records. In FM Mode, this button is used for FM Station Preset 1.
9. **Play / Pause / Answer / EcoTalk Button:** Press to play / pause a track or answer / end a mobile call from a paired Bluetooth device. Press and hold to activate your Voice Assistant (Siri and OK Google). In FM Mode, this button is used for FM Station Preset 2.




CONTROL PANEL



Mounting Brackets

1. To mount the SoundExtreme, first slot the M8 bolt through the holes in the mounting bracket and L-bracket. To orient the speaker to the mounting surface, rotate the mounting bracket relative to the L-bracket. Then fasten using the provided M8 flange nut. Tighten securely.
3. Attach the L-brackets to the speaker using the two ¼-20 button head bolts. Tighten securely.
4. Ensure that the speaker fits in the desired location and mark where the mounts will be attached to your vehicle.
5. Drill holes into the metal.
6. Place the Rubber Feet on both Mounting Brackets.
7. Attach the speaker mounts to your vehicle with the provided bolts.



LED: Backlit Speakers

Press  briefly to turn on your speaker backlights.

Press  or  briefly to cycle through the 4 Party Light modes.

LED: Light Bar


Press  briefly to turn on your Light Bar.


Press  or  briefly to cycle through the 4 Light modes.

Remote Switch:



First, connect your accessory to the Auxiliary Power Out SAE Connector (12V only).

Press  briefly to enable Auxiliary Power Out. The speaker will announce, "Accessory mode enabled."

Press  again to disable Auxiliary Power Out. The speaker will announce, "Accessory mode disabled."

Use Caution: Do **NOT** connect to your accessory if the Auxiliary Power Out SAE Connector is wet. Contact may cause electric shock and injury if wet.

Operations

LED Indicators

From left to right, the 4 LED Indicators correspond to Power, Bluetooth, Mode, and Status.

1. Power

Solid Green: Power On

No Light: Power Off

2. Bluetooth

Flashing Blue: Bluetooth Pairing

Solid Blue: Bluetooth Connected

3. Mode

Solid Blue: Speaker Mode

Solid / Flashing Red: EcoCast Transmitting Mode

Solid / Flashing Green: EcoCast Receiving Mode


4. Status

Solid Blue: FM

Solid Green: AUX-IN


Solid Red: Accessory Mode Enabled

Power On/Off


Power On: Press  briefly to power on the SoundExtreme. "Speaker on, ready to connect" voice prompt will be heard.

Power Off: Press  briefly to power off the SoundExtreme.


Mode Button

Press  briefly to cycle through the following modes: Bluetooth, EcoCast Transmitting, EcoCast Receiving, FM, and AUX-IN.









Pairing a Bluetooth Device

1. Turn on your Bluetooth device.
2. Power on SoundExtreme. "Speaker on, ready to connect" voice prompt will be heard. If the Bluetooth LED Indicator (the second LED Indicator from the left) is not flashing, briefly press  to start pairing your device.
3. Navigate to your Bluetooth device's setup screen, find ECOXGEAR and connect. If the connection is successful, the Bluetooth icon will be lit solid and your SoundExtreme will announce "Your phone is connected."

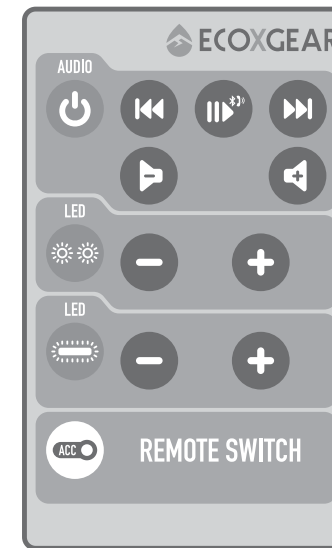
Notes:

- If the pairing is not complete within 5 minutes, the speaker will exit the pairing mode. You need to repeat the pairing steps again.
- After the connection is successful, if you turn the speaker off and turn it on again, it will reconnect to the last connected device automatically. Also, a voice prompt, "Speaker on, ready to connect" followed by, "Your phone is connected" will be heard.
- **PRESS AND HOLD**  for 5 seconds to clear all pairing records.

Adjust Volume

1. Press  or  briefly to adjust the speaker volume.
2. **PRESS AND HOLD**  or  to adjust the volume continuously.
 - a. Press  briefly to increase one volume level. **PRESS AND HOLD**  to keep increasing the volume until maximum volume level is reached.
 - b. Press  briefly to decrease one volume level. **PRESS AND HOLD**  to keep decreasing the volume until minimum volume level is reached.

Remote Control






REMOTE CONTROL

Audio



Power On: **PRESS AND HOLD**  for 3 seconds to power on the SoundExtreme. "Speaker on, ready to connect" voice prompt will be heard.

Power Off: **PRESS AND HOLD**  for 3 seconds to power off the SoundExtreme.

Press  briefly to cycle through the following modes: Bluetooth, EcoCast Transmitting, EcoCast Receiving, FM, and AUX-IN.

After the SoundExtreme is connected to your Bluetooth device, press  briefly to play, press  again to pause.

Press  briefly to play previous song. Press  briefly to get the next song.

Press  or  briefly to adjust the speaker volume.

Listening to FM Radio (FM Mode)

Press **MODE** briefly to cycle through to FM Mode. Press **<** or **>** briefly to tune in a radio station. To “seek” (jump to the next available station), **PRESS AND HOLD** either button down for a few seconds until it starts to seek a station.

When you tune and listen to a station, you can **PRESS AND HOLD** **>** to assign the current station to Preset 1, or **PRESS AND HOLD** **<** to assign the current station to Preset 2.

If you want to listen to a stored preset, briefly press either button to go to the stored radio station.

Party Lights

Press **☀️** briefly to cycle through 4 Party Light Modes: Green Light, Red Light, Music Sync, and Fading.

Press **🔦** briefly to cycle through 4 Light Modes: Red Light, White Light (High), White Light (Mid), White Light (Low).

Accessory Mode



First, connect your accessory to the Auxiliary Power Out SAE Connector (12V only).

PRESS AND HOLD **🔦** for 3 seconds to enable Auxiliary Power Out. The speaker will announce, “Accessory mode enabled.”

PRESS AND HOLD **🔦** again to disable Auxiliary Power Out. The speaker will announce, “Accessory mode disabled.”

Use Caution: Do **NOT** connect to your accessory if the Auxiliary Power Out SAE Connector is wet. Contact may cause electric shock and injury if wet.

Play Music (Bluetooth Mode)

After the SoundExtreme is connected to your Bluetooth device, press **▶️** briefly on the SoundExtreme to play, press **⏸️** again to pause.

Press **<** briefly to play previous song. Press **>** briefly to get the next song.

Notes:

- Pair and connect your Bluetooth device with SoundExtreme before using this feature.
- If a call is received when you are listening to music, press **▶️** briefly on the SoundExtreme to answer the call. Press **⏸️** again to end the call.
- You can also control Volume and Play / Pause music operations from your Bluetooth enabled device. When the Audio Source is via the AUX-In connection, you must use your device to control Play / Pause music operations.

EcoTalk

PRESS AND HOLD **▶️** for 3 seconds to activate the voice assistant on your device (Siri, OK Google, etc.). Once activated, the speakerphone mic on your SoundExtreme will hear your voice commands and transfer them to the voice assistant on your device.

Notes:

- Before using the EcoTalk function, your device must be connected to the SoundExtreme via Bluetooth.
- Not all devices have voice assistant functionality; refer to your device for details.

EcoCast – Broadcast Your Music to Multiple Speakers



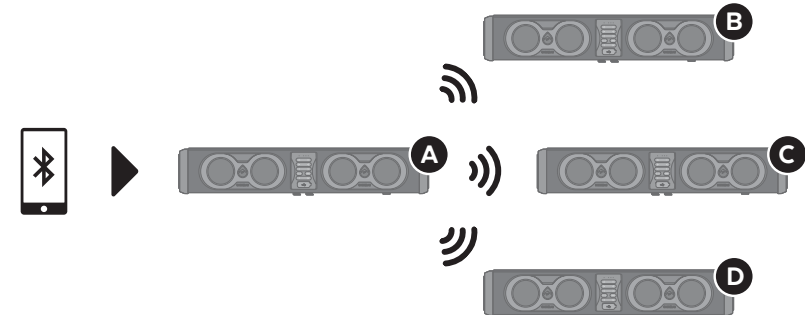
When you have two or more SoundExtreme speakers, you can build a broadcast system by initiating EcoCast Transmitting Mode in one SoundExtreme speaker and broadcasting your music to one or more SoundExtreme speakers in EcoCast Receiving Mode.

EcoCast: First Two Speakers




1. Follow the **Pairing a Bluetooth Device** instructions to connect one SoundExtreme (**Speaker A**) to your Bluetooth device. After your device is connected to **Speaker A**, you can select a song to play.
2. Press **(MODE)** on **Speaker A** to initiate EcoCast Transmitting Mode. The Mode LED Indicator (the third LED Indicator from the left) will flash Red, and the speaker will announce, “EcoCast transmitting.”
3. Power on **Speaker B** speaker and press **(MODE)** to cycle through to and initiate EcoCast Receiving Mode. The Mode LED Indicator will flash Green, and the speaker will announce, “EcoCast receiving.”
4. Once the connection between the speakers is successful, **Speaker B** will announce, “Connection Successful,” and start playing music from your Bluetooth device.

EcoCast: Additional Receiving Speakers



1. Power on the additional SoundExtreme speaker(s) (**Speaker C** and **Speaker D**). Press **(MODE)** to cycle through to and initiate EcoCast Receiving Mode. The Mode LED Indicator will flash Green, and the speaker(s) will announce, “EcoCast receiving.”
2. On **Speaker A** (the speaker with the Mode LED Indicator shining solid Red), **PRESS AND HOLD (MODE)** for 6 seconds. The Mode LED Indicator will flash Red.
3. Once the connection between the speakers is successful, **Speaker C** (and **Speaker D**) will announce, “Connection Successful,” and start playing music from your Bluetooth device.

Notes:

- If all the speakers are turned off, then turned on, the speaker(s) in EcoCast Receiving Mode (**Speakers B, C, and D**) will automatically re-connect to the speaker in Transmitting Mode (**Speaker A**). If they are not automatically re-connected, please follow the above steps.
- You can also pair the SoundExtreme with any other ECOXGEAR speaker bearing the EcoCast symbol .
- The EcoCast functionality is only available while using Bluetooth as your Audio Source at a maximum range of 30 feet between speakers.
- While connecting the SoundExtreme speakers, make sure that the speakers are within a few feet of each other.