BC

Sol Jam

Models: GDI-EXSJ401

ECOXGEAR

User Guide

Quick Start

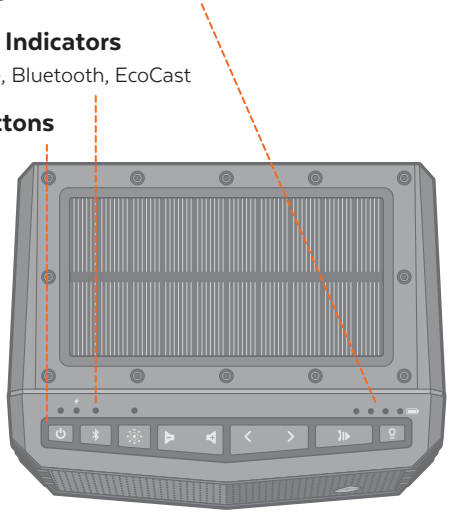
1. **Open Cap on the back of your Sol Jam**
2. **Turn on the Main Power Switch**
3. **On the Top Panel, press the Standby Power Button ⏻ to power on your Sol Jam**
4. **Search your Bluetooth Connection on your Smart Device**
5. **Pair & Play**

LED Battery Level Indicators

LED Status Indicators

Power, Charge, Bluetooth, EcoCast

Control Buttons



3) **NEVER** open the auxiliary door 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 jack when in a water environment. The auxiliary jack 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 cap is properly closed.
2) Close the cap properly before use. If the unit is placed in water without the cap properly closed, water may enter into the unit and void your warranty.
3) Dry unit completely before opening the cap. Do **NOT** open the cap 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 strong magnetic fields.
7) Periodically check the rubber seal for premature wear.
8) Periodically clean the rubber with a soft moist cloth and ensure no objects such as dirt, hair, or 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 USB cord to a computer USB connection or to an AC outlet using the AC-to-USB cord 5V, 2A power adapter intended for use with the unit.
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.
13) Contact our Customer Support at **support@gracedigital.com** or call us at **800.903.9524**.

LIMITED MANUFACTURER'S WARRANTY:

The Sol Jam 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.

FC CE BC RoHS

Sol Jam by ECOXGEAR, a division of Grace Digital Inc., San Diego, California.
Designed and Engineered in the USA. Made in China.
Patent Pending.

SAFETY ADVISORY & WARNING:

Read and follow all instructions. Use only as intended.

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

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.

PROPOSITION 65

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

WARNING: Sol Jam has a built-in Lithium battery. The battery must **NOT** be used in or near an open heat source or excessive heat.

WARNING: Danger of explosion if battery is incorrectly replaced.

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.

ATTENTION: AC adapter is a device forming a part of the main plug; therefore, an AC adapter can always be readily disconnected from AC socket-outlet.

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.

Do not attempt to mount the unit except with the approved ECOXGEAR mounts. 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.

You should always

1) Use the ECOXGEAR speaker in accordance with any music or noise rules and regulations.
2) Use the proper ECOXGEAR mounts if you intend to mount the unit.
3) 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 salt water environment and the unit properly rinsed off after use.
4) Properly clean the ECOXGEAR and ensure the gaskets have no sand, dirt, or water on them prior to storage or removing the back cover.
5) Store your unit with all caps properly sealed to avoid long term internal moisture damage inside your unit.
6) Completely dry and clean your ECOXGEAR prior to attempting to charge the unit.
7) 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 speakers, housings, or gaskets. In the event of a severe impact to your unit please return the unit to Grace Digital to review for potential damage.

Control Buttons & Operations

On/Off ⏻

Press button once to power on or off.

IMPORTANT: Standby Power function will **NOT** operate when the Master Power Switch is set OFF. Master Power Switch under the cap on the back panel must be set ON for Standby & your Sol Jam to operate.

Bluetooth

When turned on, the Sol Jam will search for your Bluetooth. Refer to “Set Up Recommendations 1-2-3” part 3 for details.

EcoCast

Press button to cycle through 3 modes: Speaker Mode, EcoCast Transmitting Mode, and EcoCast Receiving Mode.

Speaker Volume

Press to decrease or to increase Speaker Volume.

NOTE: Some Bluetooth devices may require to be manually set for maximum audio level.

Your Sol Jam will beep to indicate when maximum volume setting is reached.

Track Selection

Press button once to select Previous Song track > & Next Song track <.

Play/Pause/Answer

Press button once to pause or play song tracks.

When receiving an incoming phone call, press button once to answer. Press button again to hang up. You can also **PRESS AND HOLD** to reject an incoming call.

NOTE: To use this feature, the Sol Jam **MUST** be paired with your Bluetooth device.

Party Lights

Press button to cycle through 8 Party Light modes: White, White (Low), Green, Red, Blue, Music Sync, Color Fade, and Off.

When the Sol Jam is turned off, press button to turn on the LED Battery Level Indicators. They will remain on for 3 seconds.

IMPORTANT: Battery Level function will **NOT** operate when the Master Power Switch is set OFF.

LED Status Indicators

There are 4 LED Status Indicators located on the Top of the unit. Each LED indicates a different feature status: Power, Charge, Bluetooth, and EcoCast.

When turned on, the Power LED above the Standby Power Button ⏻ will shine Green, indicating Power On Status.

Connect the USB-C Input on the Back Panel to a power source. The Charge LED ⚡ indicates Charging Status.

FLASHING RED: Charge in process
SOLID RED: Full charge complete

Connect your smartphone, or other personal device, to the USB Output on the Back Panel to charge your device. The Charge LED ⚡ will shine Green, indicating External Device Charging in process.

Refer to **Back Panel: Functions** for additional details.

CAUTION: Do **NOT** charge if unit and/or connections are wet or damp.

When turned on, the Bluetooth LED above the Bluetooth Button ✱ will flash or shine solid Blue, indicating Bluetooth Status.

FLASHING BLUE: Ready to pair
SOLID BLUE: Bluetooth connection successful

Refer to **Set Up Recommendations 1-2-3** for additional details.

The EcoCast LED above the EcoCast Button ☼ indicates EcoCast Status.

SOLID BLUE: Speaker Mode
SOLID RED: EcoCast Transmitting Mode
SOLID GREEN: EcoCast Receiving Mode

LED Battery Level Indicators ▭

There also are four LED Battery Level Indicators located on the Top of the unit. Each LED represents 25% of a charge. Four full LEDs indicate a full charge.

Refer to **Set Up Recommendations 1-2-3** for additional details.

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:

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 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.

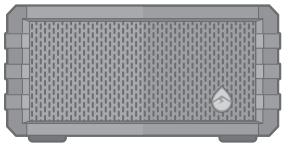
The ECOXGEAR Bluetooth speaker is intended to be used indoors or outdoors and in land or water environments. The speaker has been tested to IP67 waterproofing standards, which means the speaker can be submerged in up to 3 feet of water for 30 minutes without any damage. However, the speaker is not intended for constant underwater use.

Always make sure the cap(s) / covers(s) are clean, free from sand or debris, and correctly fitted. The speaker will only meet IP67 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 USB cables, power adapters, and unit with an improperly fitted cap are **NOT** waterproof.

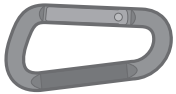
To prevent fire or shock, do **NOT** attempt to charge this unit if it is wet or you suspect water has entered the unit. In this situation, please return the unit to Grace Digital for a free assessment. If we have found that the unit has carried water, we will repair or replace the unit free of charge.

What's in the Box

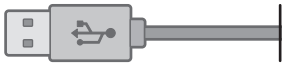


Sol Jam Unit

User Guide



Carabiner



USB Cable

Optional Accessories

For Charging

AC (5V, 2A) USB Wall Outlet Power Adapter

For Mounting

Suction Cup Mount (¼" mount)

Handlebar Mount Adapter (¼" mount)

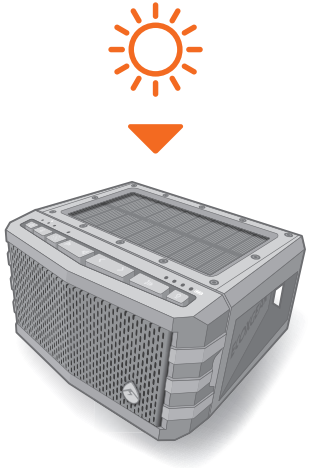
Using the Sun to Power Sol Jam

Place the Sol Jam in direct sunlight. Solar charging is most efficient if the entire solar panel on the Sol Jam is directly facing the sun without any obstacles in the way.

The efficiency of the solar charging varies based on a variety of factors: angle of the sun, global location, time of day, time of year, and cloud cover.

If the Sol Jam battery is full, the solar charging circuitry within the Sol Jam turns off until the battery is drained and needs recharging.

IMPORTANT: When using the Sol Jam to charge devices, always do so in a dry environment. If the cap on the back panel is not properly closed, the unit is **NOT** watertight.



Set Up Recommendations 1-2-3

❶ Charge Your Sol Jam Prior to First Use

For best performance, fully charge your Sol Jam before you turn it on for the first time. Connect the USB-C port to the USB cable and a 5V power source. Charge the unit until the LED Charging Status Indicator and all four Battery Level Indicators are green, indicating a full charge.

NOTE: The LED Charging Status Indicator will only turn on while the Sol Jam is connected to a 5V power source. It will flash red while charging and switch to solid red when the unit has reached a full charge.

Approximately 4 hours of charging is required from a low to a full charge.

Power source options include the USB connection to your computer or a power outlet using a 5V USB to AC power adapter. It is recommended to always use the USB cable included with your Sol Jam.

❷ Power On, Battery, & LED Status Indicators

Once fully charged, press the Standby Power Button ⏻ on the top of your Sol Jam. You will hear, “Speaker mode” (“EcoCast transmitting,” or “EcoCast receiving,” depending on which Mode the Sol Jam is in), “ready to connect” when powering on.

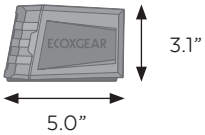
IMPORTANT: Make sure that the Main Power Switch, located on the Inside Panel, is set to the ON position. If the switch is in the OFF position, your Sol Jam will not be able to turn on using the Standby Power Button.

The LED battery level indicators are located on the top of the unit. Each LED represents 25% of a charge, with 4 full LEDs indicating a full charge.

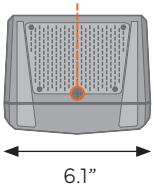
Audio playback time is approximately 12 hours at 75% volume.

Specifications

Unit Dimensions



Mount Attachment Point



Unit Weight
25.1 ounces

Output Power
20W Peak

S/N Ratio
88dB +/- 3dB

Power Source
3.7V, 5200mAh
Lithium Battery

USB-C Input
5V, 2A

USB Output
5V, 2.4A

Frequency Range
125Hz-18,000Hz

EcoCast
Using Qualcomm® Broadcast Audio technology

EcoCast Range
30 ft / 9.1 m between Casting speaker and Receiving speakers

Mount Attachment Point
¼” diameter

Bluetooth
Bluetooth® CSR 5.0

Bluetooth Range
Up to 100 ft / 30 m

Play Time
12+ hours from full charge at 75% volume level

Charging Time
Approx. 4 hrs (AC adapter)
Solar charge rate varies with environmental conditions

Solar Panel
Photovoltaic (PV)
Solar Charge

Charging Options
Solar, USB to AC adapter, USB to computer

Waterproof / Dustproof Rating
IP67

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 Sol Jam 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 Sol Jam speakers, make sure that the speakers are within a few feet of each other.

3. Bluetooth Pairing & Your Audio

Connecting With Bluetooth:
Connect To Your Smart Device & Play Audio

When your Sol Jam is turned on, the LED Bluetooth Status Indicator on the Top Panel will flash blue, indicating the unit is ready to pair.

Turn on Bluetooth on your Bluetooth device (Smart Device) and set the device in pairing mode. Available Bluetooth connections shall appear. Select the ECOXGEAR speaker from the list of discovered devices on your Bluetooth device. Wait for a few seconds until the connection is completed.

NOTE: Bluetooth connection feature is found in the Settings section of most mobile phones and other Bluetooth enabled devices.

When the ECOXGEAR selection is made and the Bluetooth connection is completed, your Sol Jam will announce: “Your phone is connected.” The Bluetooth Status Indicator will shine blue.

Once connected, select and play your desired audio.

Pairing Mode: If the Bluetooth Status Indicator is not flashing or if you wish to place your Sol Jam in pairing mode, press and release the Bluetooth Button on the Top Panel. Your Sol Jam shall announce, “Ready to connect,” when ready to pair to a new device.

NOTE: Your Sol Jam shall sync & wirelessly pair with most Bluetooth enabled devices. The unit remembers the last device paired and will automatically search for previous connections when the speaker is turned on or when a device comes back into Bluetooth range. If a connection is lost due to range, the speaker will look to re-establish that connection. If Bluetooth is turned off on your Smart Device, the Sol Jam may not automatically look for the device.

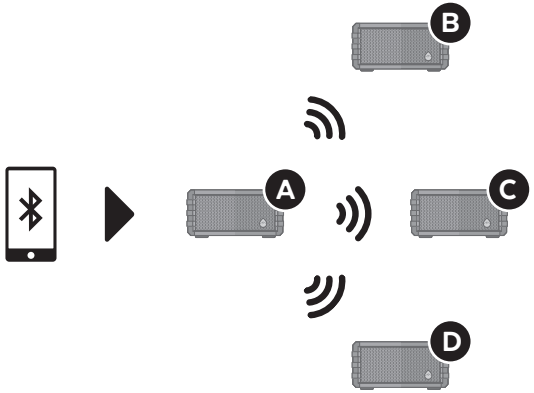
RECOMMENDATION: If you are not familiar with Bluetooth pairing for your Smartphone or other Smart Device, refer to the User Guide for your Smartphone to learn how to add and pair a new device (Sol Jam for instance) to your Smartphone using Bluetooth.

Bluetooth Pairing & Connections: Once paired, should you have an issue switching between Bluetooth connections between devices, open the Bluetooth Section within the device currently connected to the Sol Jam and delete the Bluetooth connection. The Sol Jam will then be available to pair & connect to an alternate Bluetooth enabled Smartphone / Audio Device.

3. Power on Speaker B speaker and press to cycle through to and initiate EcoCast Receiving Mode. The EcoCast 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



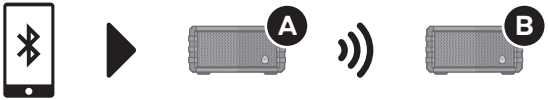
1. Power on the additional Sol Jam speaker(s) (Speaker C and Speaker D). Press to cycle through to and initiate EcoCast Receiving Mode. The EcoCast LED Indicator will flash Green, and the speaker(s) will announce, “EcoCast receiving.”

2. On Speaker A (the speaker with the EcoCast LED Indicator shining solid Red), **PRESS AND HOLD** for 3 seconds. The EcoCast LED Indicator will flash Red.

EcoCast – Broadcast Your Music to Multiple Speakers

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

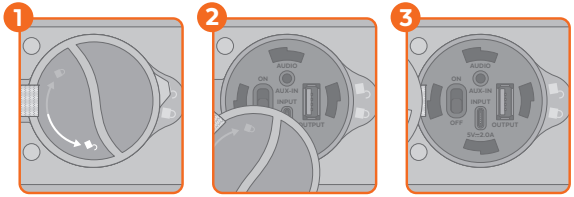
EcoCast: First Two Speakers



1. Follow the Pairing a Bluetooth Device instructions to connect one Sol Jam (Speaker A) to your Bluetooth device. After your device is connected to Speaker A, you can select a song to play.
2. Press on Speaker A to initiate EcoCast Transmitting Mode. The EcoCast LED Indicator (the fourth LED Indicator from the left) will flash Red, and the speaker will announce, "EcoCast transmitting."

Master Power Switch & Connections

To access the connections, turn the cap to the **LEFT** (counter-clockwise) so the cap's arrow point lines up with the unlocked symbol along the back edge of the unit.



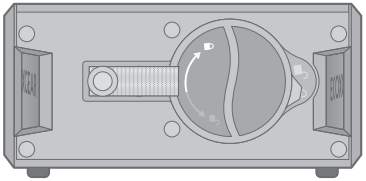
Select Unlocked **Open Cap** **Access Connections**

Important: Maintaining Waterproofness

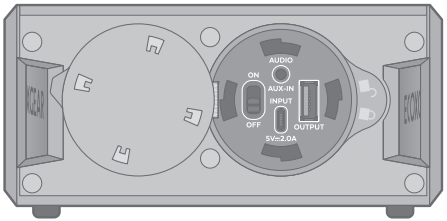
If the cap on the back panel is not properly closed, the unit is **NOT** watertight.

To ensure the unit is watertight & waterproof, **ALWAYS CLOSE THE CAP PROPERLY**.

Turn the cap to the **RIGHT** (clockwise) so the cap's arrow point lines up with the locked symbol along the back edge of the unit.



Back Panel: Functions



Master Power Switch

Sol Jam has a separate Master Power Switch and a Standby Button. The switch **MUST** be set to the ON position to power your Sol Jam. Once the switch is set to ON, use the Standby Power Button ⏻ located on the Top Panel to turn the unit On/Off.

NOTE: When not in use for extended periods, turn the Master Power off to preserve battery life.

IMPORTANT: Standby Power function will **NOT** operate when the Master Power is set to OFF.

Input

Connect the USB cable to the USB-C Input (5V, 2A) to charge your Sol Jam.

RECOMMENDATION: Use the USB cable included in the box.

NOTE: Charge time from low to full charge is approximately 4 hours.

While playing audio, Sol Jam can be charged or charge your device. Battery play time shall be reduced depending on the time and size of the device charging while connected to your Sol Jam.

CAUTION: Do **NOT** charge if unit and/or connections are wet or damp.

Output

Connect to the USB Output (5V, 2.4A) port to charge your personal device. Use the USB cable included with your personal device.

NOTE: Charging rates are similar to the charging rate when connected to the USB of a desktop PC.

Charge time is approximately 4 hours from low to full for most smartphones; however, charge times will vary depending on the device being charged, the device's battery specifications, and the device features.

In some instances your personal device may not indicate if charge is in process.

CAUTION: Do **NOT** charge if unit and/or connections are wet or damp.

Audio AUX-IN

Connect an audio device using the 3.5mm cable connection as an alternative to a Bluetooth connection to your Sol Jam.

NOTE: Volume level must be controlled from the audio device when connected to the AUX-IN connection.