

Rev

Date

Issued

Description

Oder no.

R1.0A

2023-08-15

Cindy

Initial release for MP drawing

6. SPECS / ADDITIONAL INFO

Model Name	Solar Boombox 2.0	Operating Temperature	0C° to 60C°
Product Type	Bluetooth Speaker	Discharge Temperature	0C° to 60C°
RF Frequency	2402-2480MHz	Max Wire Output Power	20.16W
Audio Frequency Range	60 – 20KHz	Total Output	5V≈3A
Audio RMS @10%	7W*2	Type=C USB Output	5V≈3.1A, 9V≈2.2A, 12V≈1.68A
THD	<0.1%@1kHz	Type=A USB Output	5V≈3.1A, 9V≈2.2A, 12V≈1.68A
Noise	<-70dBV	USB Charging Current	PD3.0, apply PD3.0
SNR(Signal To Noise Ratio)	>80dB	USB Discharge Current	PD3.0, apply PD3.0
L/R Separation	>50dB	Solar Charging Current	5V≈0.36A
Play Time	>80 Hours	Charging Time	5 Hours at 5V≈3A
Power Off Current	<1mA		
Operating Voltage	3.0-4.2V		

AUTO-OFF FEATURE

To reduce power consumption, the device will power-off after 5 minutes when no bluetooth device is connected, or after 15 minutes of no activity when a bluetooth connection does exist.

IMPORTANT NOTE:

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

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.

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.

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This device complies with Innovation, Science, and Economic Development 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.

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, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance.

Le présent appareil est conforme Après examen de ce matériel aux conformités ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité et compliance d'acquies les informations correspondantes.

An incorrect battery type can defeat a safeguard, such as in the case of some lithium battery types. Disposal of a battery into a fire or a hot oven, or mechanical crushing or cutting of a battery, can result in an explosion. A battery left in an extremely high-temperature environment can result in an explosion or the leakage of flammable liquid or gas. A battery subjected to extremely low air pressure could result in an explosion or flammable liquid or gas leakage.

RF output power (only for CE/UKCA): Bluetooth: 2.02dBm; BLE: 1.95dBm

MANUFACTURER INFORMATION:

Company name: Solgaard Design Inc.

Address: 270 Lafayette St, Suite 902, New York, New York, 10012, USA.

Customer Support Email: Help@Solgaard.co

IMPORTER INFORMATION:

Company name: XXXXXXXX

Address: XXXXXXXX

Solar Boombox Package Contents

x1 BOOMBOX

x1 USB-A ~ USB-C CABLE

MORE DETAILS AVAILABLE AT

Solgaard.co/manuals

SOLGAARD

Solar Boombox

USER MANUAL 2.0 (2023)

1. FEATURES

Powerbank & Controls

Nav / Battery / Solar Level Indicator

Solar Panel

USB Charging Ports

USB-A ~ USB-C (x2)

Carabiner

USB Port Cover

IPX7 Waterproof Rating

Two Speakers

Two Powerful Drivers

Anti-Slip Feet

10,000mAh

Battery holds enough power to charge an iPhone 14 up to 3 times.

2. SOLAR POWER FUNCTION

1. Single press the power button.

2. White LED's indicate battery level.

3. Green LED's indicate strength of solar charging.

In ideal sunlight it will generate approximately 350mAh per hour.

1 hour of ideal sun = 2 hours of music.

Generates power in sunlight & non-direct sunlight.

Solar is intended to extend the life of the battery – not charge from 0%.

If you were to charge from 0-100% it would take 30 hours of ideal sunlight.

3. PAIRING AND PARTY MODE

Pairing Bluetooth Device

Hold the power button for 2 seconds to power-on and automatically enter Bluetooth search mode. This button also acts as the Play/Pause button.

LED light rapidly blinks when searching for a connection.

After power-on, the Boombox will automatically connect to a recognized device or stay in search mode for 5 min for a new device to be paired.

Volume / Skip Track Buttons / Disconnect Device

PRESS EITHER once for volume up or down.

HOLD EITHER for 1 sec to navigate track playback.

HOLD BOTH for 1 sec to disconnect and enter Bluetooth search mode.

'Party Mode' - Pairing Two Boomboxes

With both Boomboxes on and only one is connected via bluetooth, triple press the power button on both Boomboxes. They connect with each other automatically.

4. CHARGING YOUR PHONE

USB-C Output

FAST

USB-A Output

FAST

USB-C Input + Output

FAST

Connect your device via USB cable, then press the power button once to activate charging.

Fastest charging occurs when only one device is connected. Supports charging multiple devices simultaneously with a shared 20W MAX OUTPUT.

5. CHARGING SOLAR BOOMBOX

Press the power button once to check battery level.

25%

Time to Charge

50%

Charging

100%

Full Battery

Fully recharge Boombox with the included USB cable.

FAST

18W+ Charger

3 hours

5W Charger

10 hours

② 70

① 500

Note: This product is RoHS, REACH compliant.

Technology: Black printing, 4 folds, matte varnish.

Mtrl. Description		Material	Dimension	Part no.	
		105g Matt Art Paper	T=mm	D02V001A00011.0A	
General tolerances:		Surface treatment:		Scale	Sheet
				1:1	1(1)
Drawn by Cindy	Approver	Project Boombox		Format	Date
		Description		Rev.	
		USER_MANUAL		R1.0A	