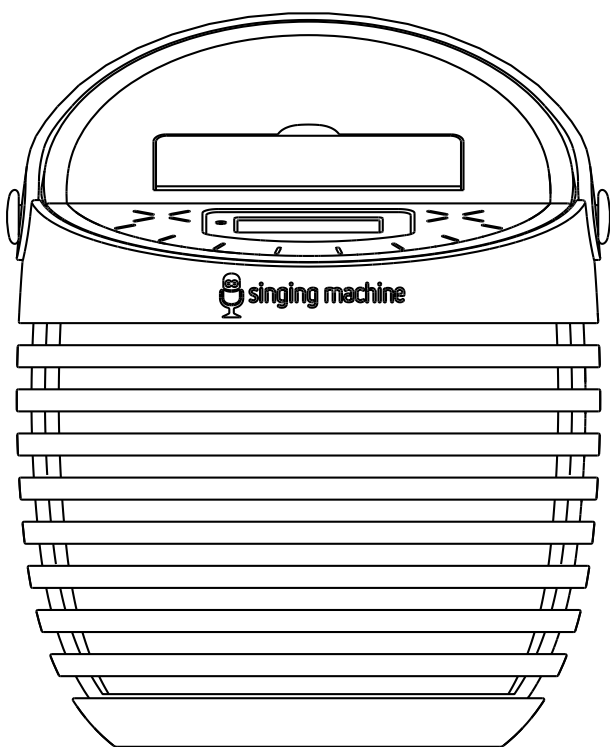# singing machine®

creating Joy through music™

SMC2020

INSTRUCTION MANUAL/
MANUAL DE INSTRUCCIONES/MODE D'EMPLOI

www.singingmachine.com

Warnings

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

DANGEROUS VOLTAGE: The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

ATTENTION: The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying this product.

DRIPPING WARNING: This product shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the product.

VENTILATION WARNING: The normal ventilation of the product shall not be impeded for intended use.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

FCC WARNING: This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

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.

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.
The rating information is located at the bottom of the unit.

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

RF Exposure Warning Statements:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

Important Safety Information

1. Read these Instructions.

2. Keep these Instructions.

3. Heed all Warnings.

4. Follow all Instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any of the ventilation openings. Install in accordance with the Manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING
(symbol provided by RETAC)

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not place objects filled with water, such as a vase, on the apparatus.

16. The AC mains plug is used as the power disconnect device and it should remain readily accessible and operable during intended use. In order to completely disconnect the apparatus from power, the mains plug should be completely removed from the AC outlet socket.
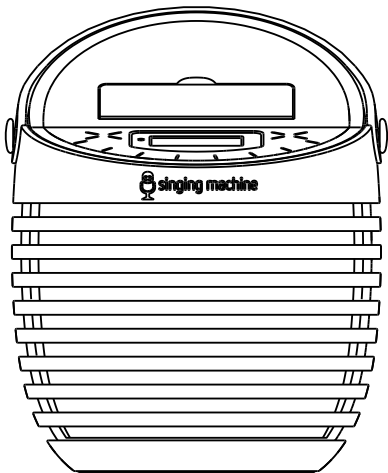
17. CAUTION: To reduce the risk of fire or explosion, do not expose batteries to excessive heat such as sunshine, fire or other heat sources.
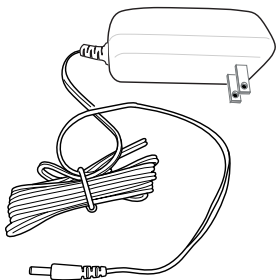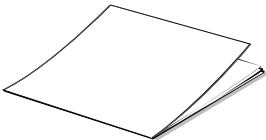
Included

Please make sure that the following items are included.

Main Unit

AC Adapter

Manual
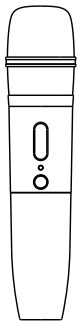
Wireless Microphone

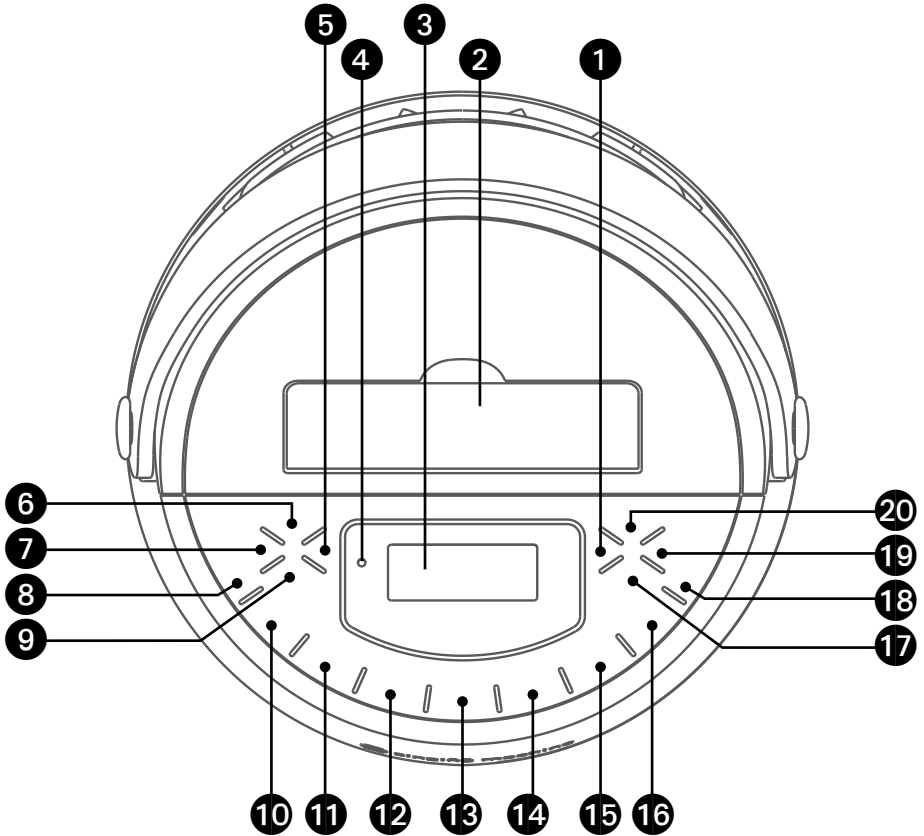# Location of Controls (Top)

1. ◄◄ (Back skip/ Navigation left) button

2. Cradle

3. Display

4. Power indicator

5. +᾿) (Echo +) button

6. ✎+ (Mic Volume +) button

7. ((- (Echo -) button

8. ◀᾿)+ (Master Volume +) button

9. ✎- (Mic Volume -) button

10. ◀᾿)- (Master Volume -) button

11. VOCALS OFF button

12. ◉ (Bluetooth) button

13. ⏻/☀ (ON/STANDBY/ LIGHTS) button

14 AUX IN button

15. 📡 (Casting) button

16. ↩ (BACK) button

17. ▼ (Navigation Down) button

18. ▶‖ (PLAY/PAUSE/ ENTER) button

19. ▶▶ (Next Skip/ Navigation) button

20. ▲ (Navigation Up) button

Location of Controls

REAR

WIRELESS MICROPHONE
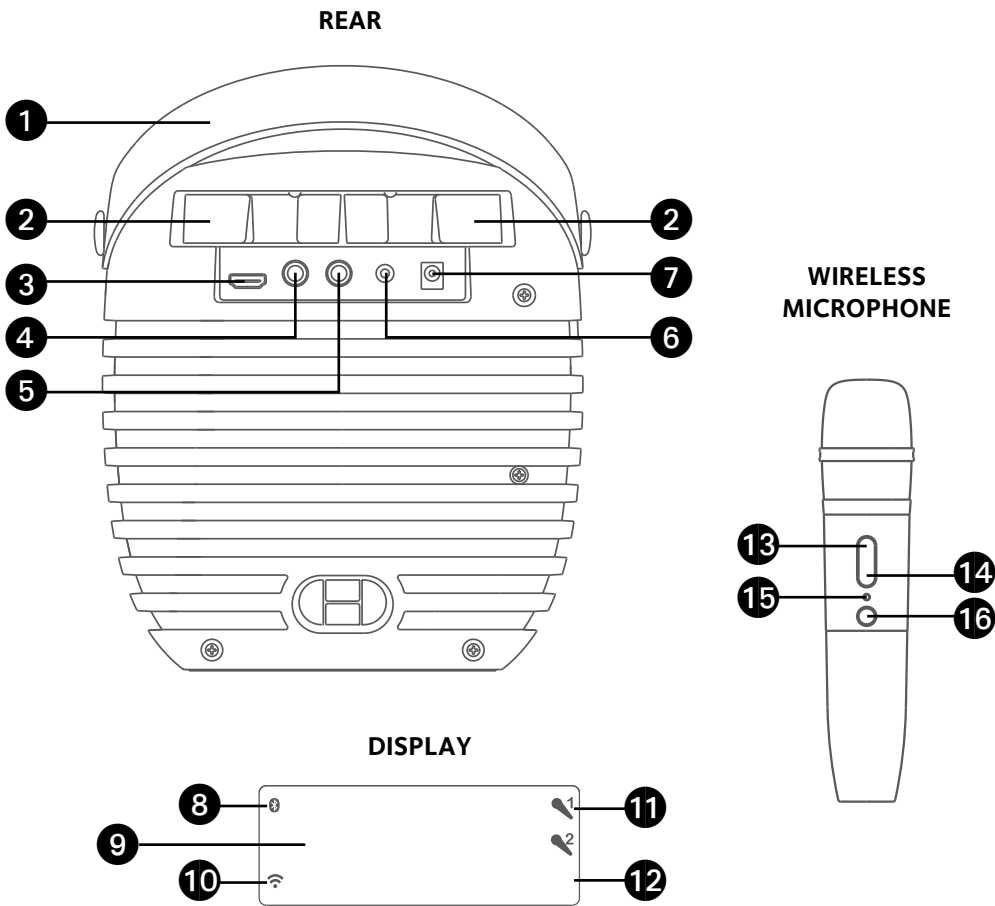
DISPLAY

|	
1. Handle	9. Display
2. Mic Holders	10. WiFi indicator
3. HDMI Jack	11. Mic 1 indicator
4. Mic 1 Jack	12. Mic 2 indicator
5. Mic 2 Jack	13 🎤+ (Mic Volume +) button
6. Aux In Jack	14 🎤- (Mic Volume –) button
7. DC In Jack	15 Wireless mic power indicator
8. Bluetooth indicator	16 ⏻ Wireles mic power button

Connections

Connecting to AC Power
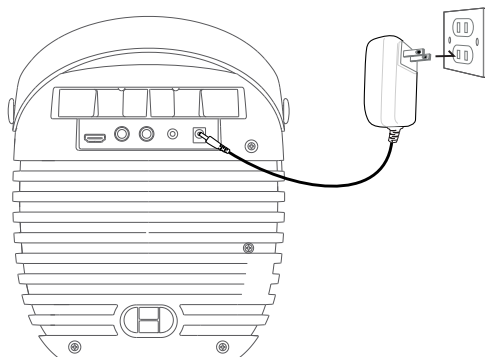
Insert the AC power cord into a conveniently located AC outlet having 120V AC, 60Hz.

NOTES:

- Make all connections prior to plugging the AC adaptor into a power outlet.

Connecting the Unit to a TV

Rear of External TV

HDMI Jack (In)

HDMI IN   1

HDMI Jack (Out)
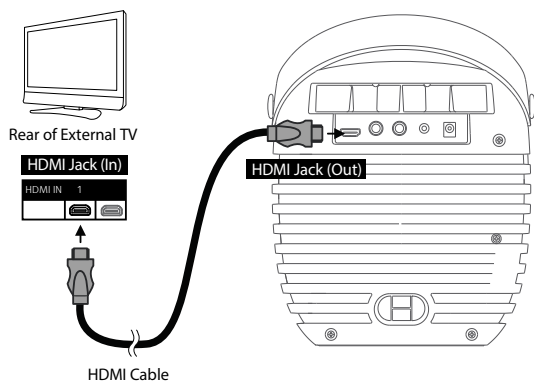
HDMI Cable

To output the casting video and casting audio to your TV, perform the following steps:

Plug the HDMI cable (not included) into the HDMI Jack on the back of the unit. Plug the other end of the HDMI cable into the HDMI input on your TV.

NOTES:

- This unit can be used with or without a TV, but it is highly recommended to use a TV in order to utilize all the features.
- Also refer to the TV's User Guide.
- Audio and mic input cannot be output to your TV.

Connections
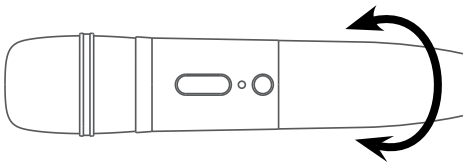
Connecting the Wireless Microphone(s)
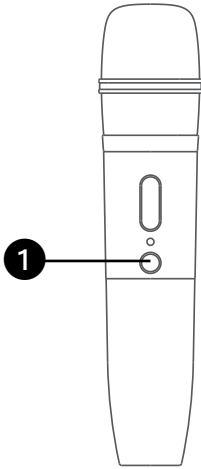
Press the ⏻/☀ button to turn the unit on. Press the Wireless Mic's ⏻ ❶ button to turn on the mic. The Mic indicator 1 or 2 will blink. It will be light solid when connected.

NOTES:
- Working distance of up to 30 feet/10 meters in open space.
- If there is no audio input to the unit for 20 minutes, the wireless mics connection will automatically turn off. Turn on the unit and press the ⏻ button to reactivate the connection.

Changing the Wireless Microphone's Battery

When the wireless mic batteries are low the battery indicator will flash. Change the batteries as follows:

1   Unscrew the bottom of the wireless microphone.

2   Replace the batteries with 2 x "AA" size/LR6 battery.

3   Replace the bottom of the wireless microphone and screw it back on.

Battery Precautions
The precautions below should be followed when using batteries in this device:
1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon Zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged, they can overheat and rupture. (Follow battery manufacturer's directions.)
6. Rechargeable batteries are to be removed from the product before being charged.
7. Rechargeable batteries are only to be charged under adult supervision.
8. Exhausted batteries are to be removed from the product.
9. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
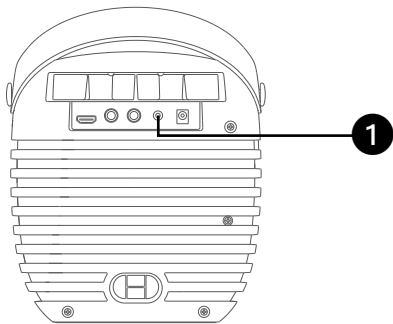
Connections

Connecting the optional wired Microphone
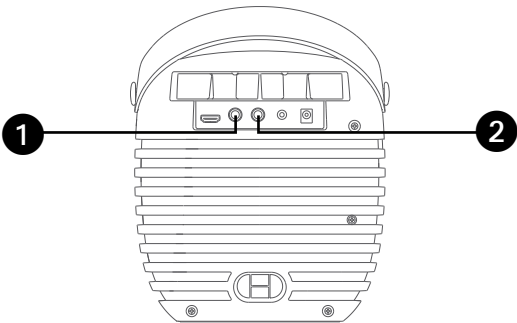
Connect the wired microphone (not included) into Mic jack ❶ or ❷ (when desired); the corresponding mic Indicator light will be solid.
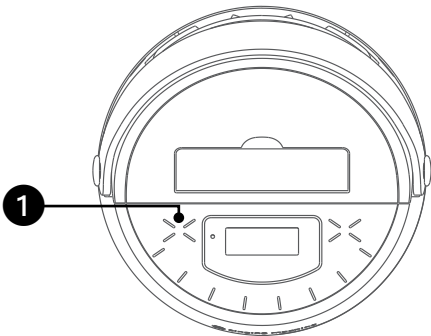
Connecting to AUX IN Jack

Connect an external device by using an appropriate cable (3.5mm audio cable not included) as shown.

NOTE:
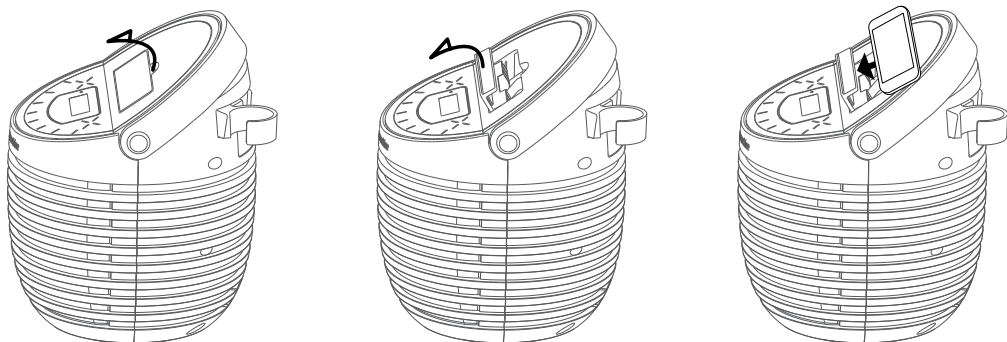See page E17 to select and use the Aux In function.

Lights Mode

There are 5 built-in light modes. Repeatedly press ⏻/☀ button to switch between lighting effects.

Connections

Cradle

Energy Saving (Auto Power System-APS)

If there is no audio playback, the unit will automatically enter standby mode after 20 minutes. To resume use of the unit press the ⏻/☀ button.
APS is for energy saving purposes.

Connections

Connect to WiFi
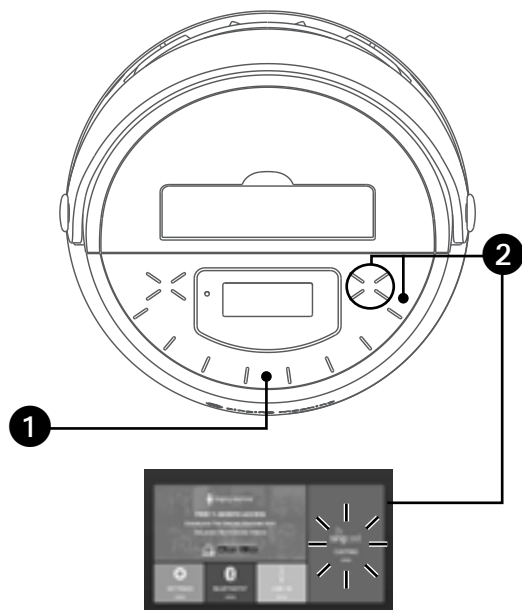
1 Connect the unit as described previously and ensure to connect it to a TV. Press the ⏻/☀ button to turn the unit on.

2 **USE YOUR MOBILE DEVICE TO CONNECT THIS UNIT**

Press the 🔲 button or using the ◀◀ , ▶▶, ▼, ▲ Navigation and ▶❚❚ button to select the **SINGCAST OPEN** in the main menu (the unit should be connected to a TV). "**CAS**" will display on the screen. If this unit has not been connected to your WiFi network, a step 1 QR code will pop up on screen. Use your mobile device to scan the QR code allowing it a moment to load. Once your mobile device connects to the unit successfully, the step 2 QR code will pop up on screen.

3 **CONNECT THIS UNIT TO YOUR WIFI NETWORK**

Use your mobile device to scan the step 2 QR code and allow it to load. The WiFI list will pop up on your mobile device. Search for and select your home WiFi and input your WiFi password to complete the login process.

If the unit does NOT connect to your home WiFi successfully, check your password and WiFi frequency and repeat above steps.

NOTES:
- **This unit supports 2.4GHz WiFi only.**
- Make sure the WiFi network of the mobile device and unit are using the same network.
- WPA3 security settings can cause connection issues. If you have WPA3 security, we recommend lowering to WPA2 or lower. Or contact us for further help.
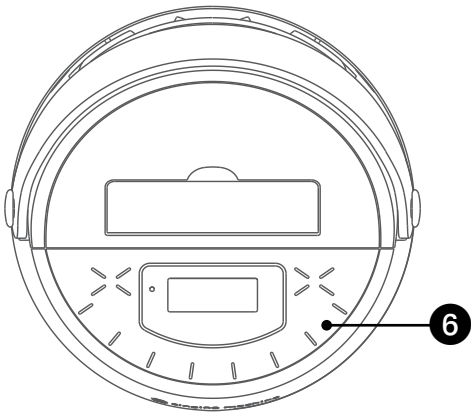
Connections

Connect to WiFi (Continued)

4   When the unit connects to your WiFi successfully, "connected" will display on-screen. You can download the **Singing Machine Karaoke App** to listen to your favorite karaoke music and project the HD karaoke video on your TV.
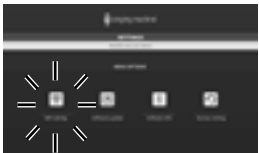

5   The unit automatically searches and pairs to a previously paired WiFi network. If you want to connect to another WiFi network, you can go to the main menu and select **SETTINGS>WiFi setting>DISCONNECT** to disconnect from the WiFi network in order to connect to another WiFi network.


6   Press the ↰ button to go back to the previous screen. Press and hold to go to the main menu.

Connections

Settings
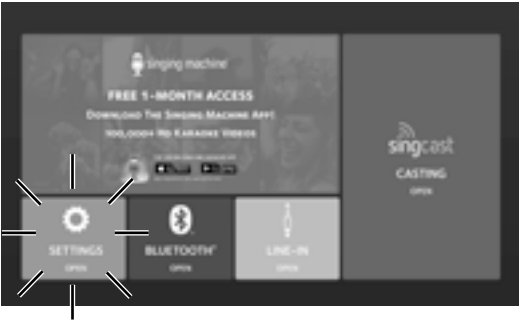
1 Press and hold the ↰ button to go to the main menu. Using the ◀◀, ▶▶, ▼, ▲ Navigation and ▶|| button select the **SETTINGS** icon; "SEt" will appear on-screen.

2 Select **WiFi setting** to connect or disconnect from the WiFi network and check the WiFi signal level.

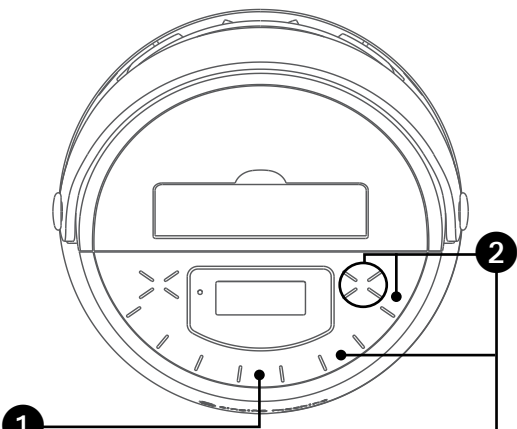3 Select **Software update** to update the software of the unit.

4 Select **Software info** to check the latest software version and serial number of this unit.

5 Select **Factory setting** to delete all data stored in the unit.

Operation

Using SingCast Casting

1 Connect the unit as described previously and ensure to connect it to a TV. Press the ⏻/☀ button to power on the unit. The power indicator will light solid.

2 Press the 🖵 button or using the ◀◀, ▶▶, ▼, ▲ Navigation and ▶❚❚ button to select the **SINGCAST OPEN** in the main menu (the unit should be connected to a TV). "**CAS**" appears on the display.
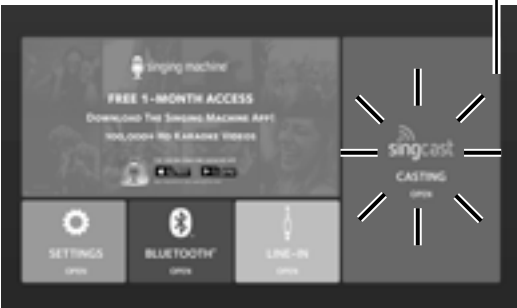
3 Download the **Singing Machine Karaoke App** to choose from thousands of HD karaoke videos, project your favorite karaoke videos from your mobile device to your TV (make sure your mobile device and the unit are connected to the same WiFi network).

4 After registering your account, choose your favorite song. Press the icon "🖵" and select "**SingCast_One**" to cast to your TV.
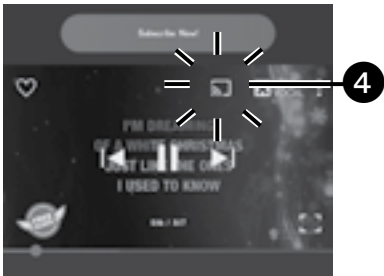
Operation

Using SingCast Casting (Continued)
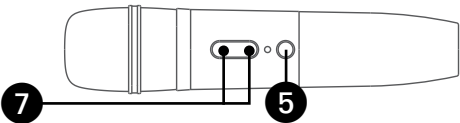
5   Press the ⏻ button on the microphone to turn on the mic.
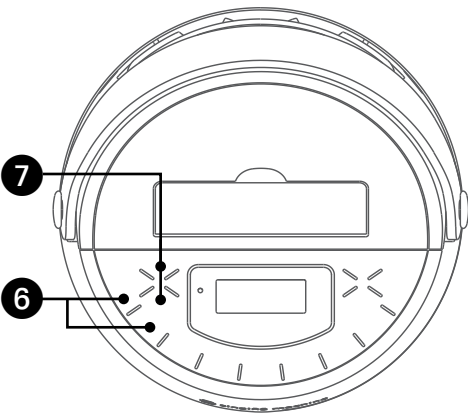
6   Adjust the volume to a comfortable level using the 🔊+ or 🔊− buttons.

7   Press the ◓+ or ◓- buttons on unit or mic as desired. Increasing this control will increase the volume of the microphone.

8   Press the +)) or ((- button to add an echo effect to your voice.

9   Press and hold the ⏻/☀ button to turn off the unit.
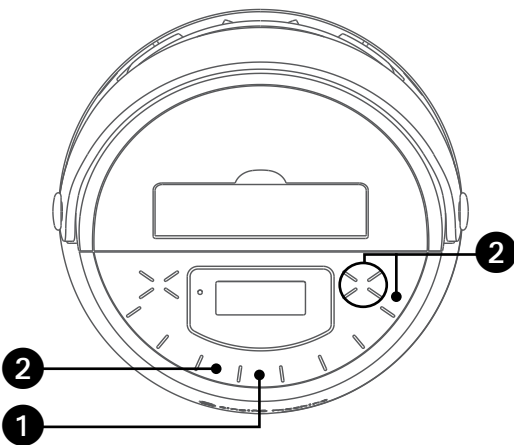
Operation

Using a Bluetooth Device

1. Connect the unit as described previously. Press the ⏻/☀ button to turn the unit on. The power indicator will light.

2. Press the ❽ button or using the ◀◀, ▶▶, ▼, ▲ Navigation and ▶ǁ button to select the **BLUETOOTH OPEN** in the main menu (the unit should be connected to a TV); "bt" will light up on the display; the indicator will flash.

3. The unit automatically searches and pairs a previously paired Bluetooth device (if previously paired). If no previously paired devices are present, connect as shown in the next step.

NOTE: You can also press and hold the ❽ button to disconnect any paired device in order to pair another device.

4. Turn on your device's Bluetooth option in settings to search for a discoverable device with a Bluetooth signal. Select "**SINGING MACHINE**" from the device results on the Bluetooth menu.

NOTE: Also refer to the user manual of your Bluetooth device for detailed instructions.
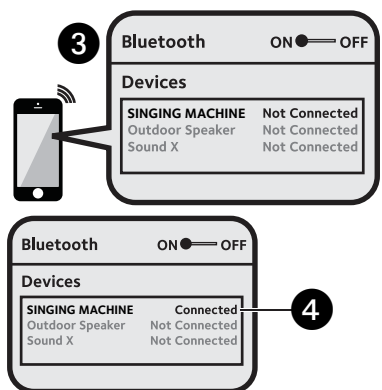
Operation

Using a Bluetooth Device (Continued)

5   "BT" and bluetooth indicator will light solid.

NOTES:
- If your Bluetooth prompts you for a passcode during the pairing process, please enter "0000" to connect.
- On some Bluetooth devices, once pairing is completed, select your Bluetooth device as "Use as Audio Device" or similar.
- If connection is lost after successful pairing, check to make sure the distance between speaker and Bluetooth-enabled device does not exceed 30 feet/10 meters.
- To connect this unit as a bluetooth speaker for Smart TV, the HDMI connection or microphone connection has to be unplugged.
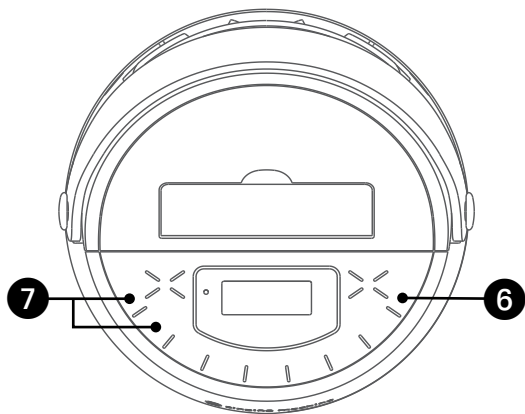
6   You can control your Bluetooth device to start the music playback OR press the ▶II button to start playback (music app must be open). Press the ▶II button during playback to pause the song.

7   Adjust the volume to a comfortable level using the ◀))+ or ◀))‒ buttons on this unit as well as the Volume on your Bluetooth device.

NOTE: Bluetooth music and your singing performance are only played on the unit.
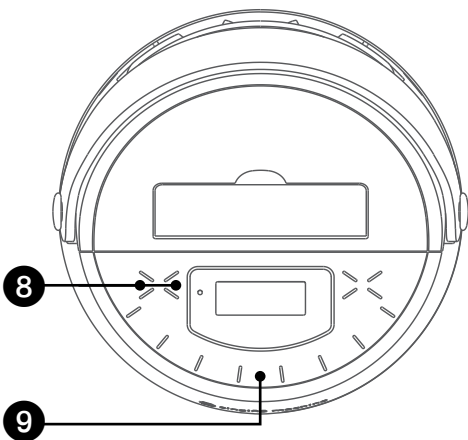
Operation

Using a Bluetooth Device (Continued)
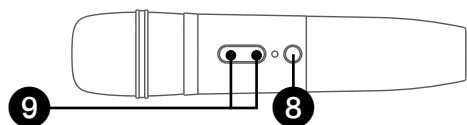
8 Press the ⏻ button on the microphone to turn on the mic.

9 Press the 🎤+ or 🎤- buttons on unit or mic as desired. Increasing this control will increase the volume of the microphone.
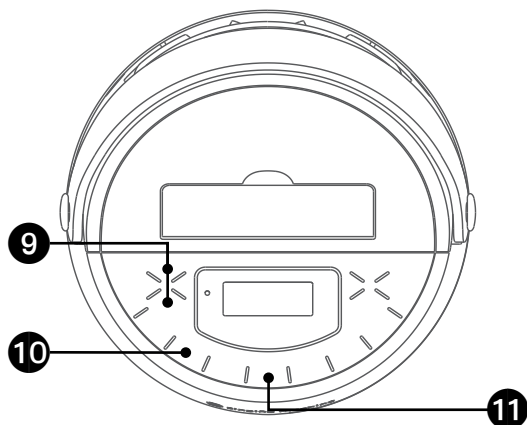
10 To sing without the lead singer on the recording, press the **VOCALS OFF** button. To resume the lead singer, press again.

NOTE: Lead vocal removal might work better on some songs than others.

11 Press and hold the ⏻/☀ button to turn off the unit.

Operation

Using the AUX IN Jack
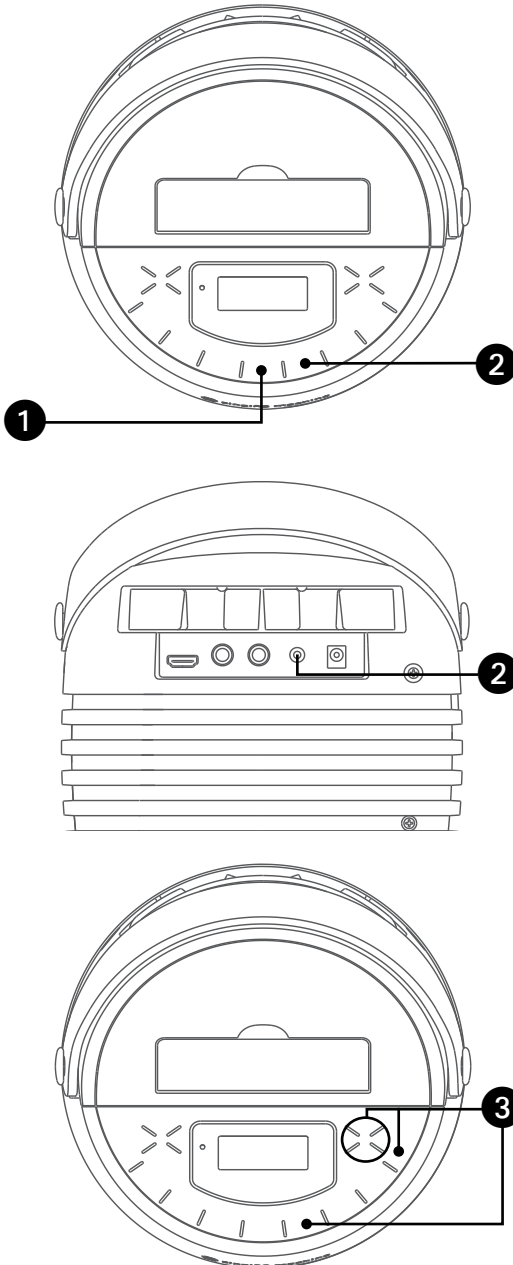
1 Connect the unit as described previously. Press the ⏻/☀ button to turn the unit on. The power indicator will light.

2 Connect the external unit to the AUX INPUT Jack using a 3.5mm auxiliary audio cable (not included). Press the **AUX** button or using the ◄◄, ►►, ▼, ▲ Navigation and ►II button to select the **AUX IN OPEN** in the main menu (the unit should be connected to a TV); "AUX" will light up on the display. Connecting an external unit will allow the audio to be played through your Singing Machine.

NOTES:

- It is highly recommended to set the volume on the auxiliary unit to 1/3 or lower to avoid distortion.
- Skipping files/tracks is not possible in this unit when using an external device.

3 Press the **AUX** button or using the ◄◄, ►►, ▼, ▲ Navigation and ►II button to select the **AUX-IN OPEN** in the main menu (the unit should be connected to a TV); "AUX" flashes on the display.

Operation

Using the AUX IN Jack (Continued)
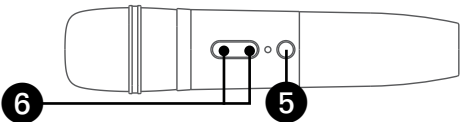
4 Adjust the volume to a comfortable level using the ◀)+ or ◀)− buttons.

5 Press the ⏻ button on the microphone to turn on the mic.

6 Press the ◀+ or ◀- buttons on unit or mic as desired. Increasing this control will increase the volume of the microphone.

8 Press the +)) or ((- button to add an echo effect to your voice.

9 Press the **STANDBY/ON** button to turn the unit off.
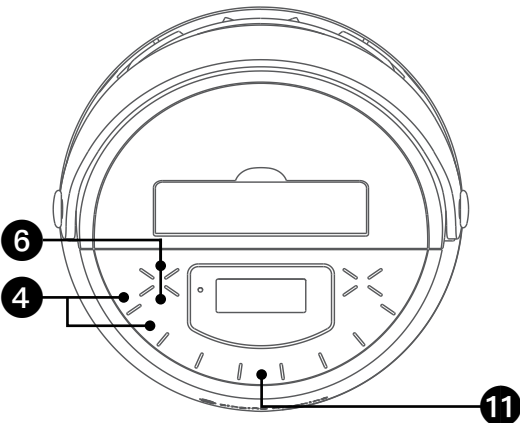
Troubleshooting Guide

Should this unit exhibit a problem, check the following before seeking service:

No Power
- Power is not on; press the ⏻/☀ button to turn power on.
- Confirm that the AC adapter is connected securely to the rear of the unit.
- Connect the unit to a different outlet.
- The normal function of the product may be disturbed by strong Electro-Magnetic Interference. If so, simply restart the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in another location.

No Sound – General
- Master Volume is set to minimum; raise volume.
- Correct Function was not selected; select the correct function.
- If using an external device, raise the volume.

No Sound – If connected to a TV
- Correct mode (SingCast) was not selected on the unit.
- Bluetooth music audio and singing performance cannot output to the TV.
- Volume on the TV is muted or too low.
- Correct source (usually HDMI) was not selected on the TV's menu.

No sound from the microphone
- The wireless microphone has no battery left. Change the batteries.
- Make sure the mic's **ON/OFF** switch is set to the ON position.
- Make sure the **MUSIC VOL/MIC VOL** is not set too low.
- Microphone input cannot output to the TV.

The Bluetooth device cannot be paired or connected with the unit
- Ensure any other Bluetooth devices are turned off to avoid accidental pairing.
- You have not activated the Bluetooth function of your device; see page E14 or refer to the Bluetooth device user's manual.
- The system is not in pairing mode; press and hold the ❁ button to restart pairing.

The Music is not available on the unit after successfully connecting to Bluetooth
- Ensure your Bluetooth device can support the A2DP Bluetooth profile.
- The volume on the external Bluetooth device is set too low or muted; raise as desired.

Failed to connect to the WiFi network
- The unit is not within the WiFi signal range.
- Check that your WiFi frequency is 2.4GHz.
- Ensure you have entered the correct password.
- Check that the mobile device and unit are using the same WiFi network.
- WPA3 security settings can cause connection issues. If you have WPA3 security, we recommend lowering to WPA2 or lower. Or contact us for further help.

Need Help Casting? Start here!

Scanning QR code fail
- We recommend for you to scan the QR Code once more. If you cannot scan it successfully, you may need to try a specific QR code scanning APP to help.
- Alternatively, you can go into "SETTINGS menu/WiFi setting" to connect the SingCast unit to your WiFi network directly.

No Internet connection
- Ensure the unit is in SingCast mode.
- Ensure the input WiFi password is correct.
- Ensure the SingCast unit is not too far from your router (recommended maximum 10 meters). If the WiFi signal level is weak, we recommend that you relocate the SingCast unit closer to the router.
- This unit can only connect to 2.4GHz frequency WiFi.
- This unit is only compatible with WIFI security WPA2 or lower. Please check out below compatible WiFi security list.
  WPA, WPA-PSK, WPA2, WPA2-PSK, WEP 64bit & 128bit, IEEE 802.11x and IEEE 802.11i.
- If your WiFi security is set to WPA3 or above on your router, you will need to set it to WPA2 or lower.
- Depending on the brand of your router, if you still cannot connect to the router with WPA2 or lower security standard, you are recommended to factory reset your router. *Make sure you have written down your existing customized SSID name and password. This will help in reconnecting your previously connected devices and revert to your previous WiFi security settings.
- If the Singing Machines unit's WiFi is connected to the router successfully. But you still cannot connect to the internet. You might need to check for any internet connection problems on your router. Or check out the router's settings to verify if the unit is blocked from going online. You are highly recommended to refer your router's instruction manual.
- To ensure the unit's WiFi function works fine, you can connect your unit's WiFi to your mobile device's hotspot with data service to verify. Make sure you have a second mobile device providing hotspot to cast the video.

Cannot find the SingCast unit on your Karaoke app casting list / No Casting video to TV
- Ensure both the SingCast unit and your mobile device are connected to the same WiFi network.
- If SingCast does not appear as a casting option, check advanced security settings to enable DLNA.
- If you are connecting a router with Mesh function, you need to make sure "Access Intranet" function is enabled.

Specifications

AUDIO

Output Power ....10 Watts (RMS)

BLUETOOTH

Bluetooth Version V5.0
Working Distance.. Up to 33 feet/10 meters measured in open space

WIFI

Wifi frequency...2.4GHz

GENERAL

Power 100-240V, 50/60Hz
Output .... 12VDC ⎓ 1.25A Positive Center
Dimensions: .... 7.8 x 7.8 x 9.7 inches (19.8 x 19.8 x 24.6cm)
Weight:.. 3.1 Lbs (1.4 kgs)
Wireless Microphone .... 2.4GHz band Dynamic Microphone

Specifications are subject to change without notice.

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

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