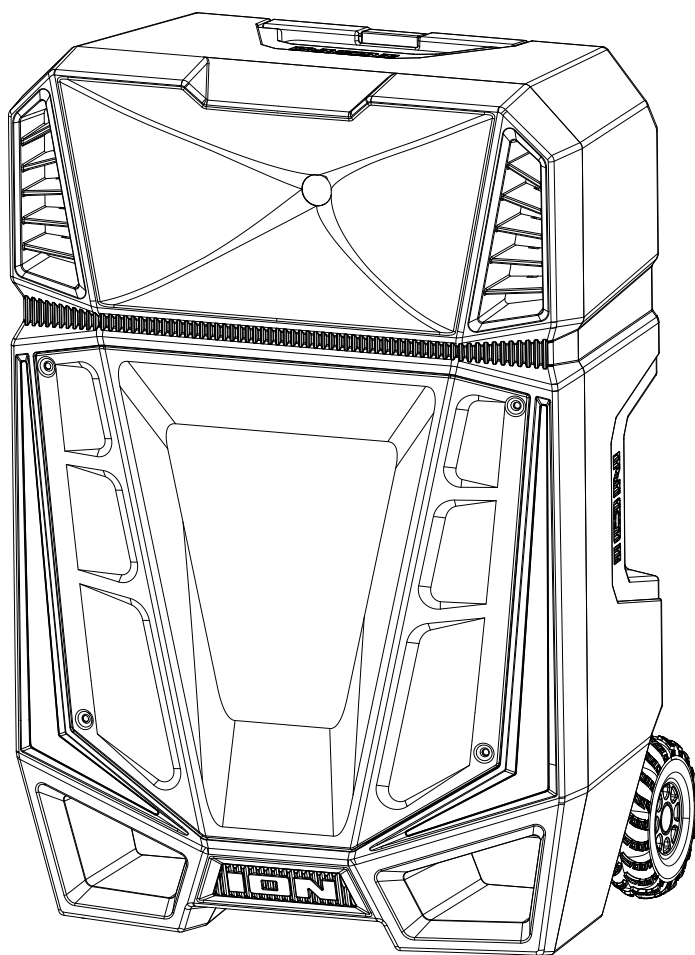


**ION®**

**TOTAL PA™ QUAKE**



## User Guide

English



[ionaudio.com/support](http://ionaudio.com/support)

**IMPORTANT:** RETAIN FOR FUTURE REFERENCE: READ CAREFULLY

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# INTRODUCTION

Thank you for purchasing the Total PA™ Quake. At ION, your entertainment is as important to us as it is to you. That's why we design our products with one thing in mind—to make your life more fun and more convenient.

## Box Contents

Total PA™ Quake

Power Cable (150 cm / 5 ft.)

Wireless Microphone

Speaker Stand

Quickstart Guide

## Support

For the latest information about this product (documentation, technical specifications, system requirements, compatibility information, etc.) and product registration, visit [ionaudio.com](http://ionaudio.com).

For additional product support, visit [ionaudio.com/support](http://ionaudio.com/support).



## Quick Start

1. Make sure all items listed in the [Box Contents](#) are included in the box. Look in the box under the foam sheet for the power cable and microphone.
2. Study the [Connection Diagram](#).
3. Make sure all input devices (such as microphones, CD players, or digital media players) are turned off with their volume settings set to “zero.”
4. Connect all devices as shown in the [Connection Diagram](#).
5. Switch everything on in the following order:
  - a. Audio input devices (e.g. microphones, instruments, CD players)
  - b. Total PA™ Quake
6. Adjust the level of your connected devices. Turn audio source (microphone, instruments, Bluetooth devices) volume all the way up. Then, adjust the **Source Volume** knob for the selected channel on Total PA™ Quake to an appropriate level. Finally, adjust the **Main Volume** on Total PA™ Quake to an appropriate level. For a detailed step-by-step process for setting your levels, please refer to the [Balancing Your Levels](#) section on the following page.
7. When you are finished using Total PA™ Quake, switch everything off in the following order:
  - a. Total PA™ Quake
  - b. Audio input devices

## Balancing Your Levels

This process shows how you can quickly balance your microphone signal(s) and the signal from your Source Device (Bluetooth, Aux, USB). Levels for the microphones, source, and main volume can be set anywhere between 0 to 30.

1. Power on Total PA™ Quake and the wireless microphone. Connect your preferred Bluetooth, Aux device, or USB drive.
2. Using the **Main Volume** on the speaker, set the volume to around 10 or lower while balancing your levels. This will allow you to set your levels to a clear and audible level without being overpowering. You can adjust it again later once a balance has been achieved.
3. Adjust the **Source Volume Knob** down to 0. We'll turn this up in a later step.
4. Set the **MIC 1 Volume** using either the +/- volume control on the microphone or the **MIC 1 Volume Knob** on the speaker. Setting the level to 25 is a good starting point if you're unsure. If using a second, wired microphone, use the **MIC 2 Volume Knob** to set the levels the same way until both microphones are clearly audible.
5. Now, set the volume on your Aux or Bluetooth source device (phone, tablet, etc.) to 100%. This will guarantee a strong signal.
6. With the **Source Volume Knob** still set to 0, start playback on your device and slowly turn up the **Source Volume knob** on the speaker until it reaches a clear and audible level. If you are using a microphone, set the source volume level to where you can still hear the microphone above the music.
7. Once the microphone and audio source are clearly audible and balanced, use the **Main Volume** knob to set the overall output level of the speaker to your desired volume.

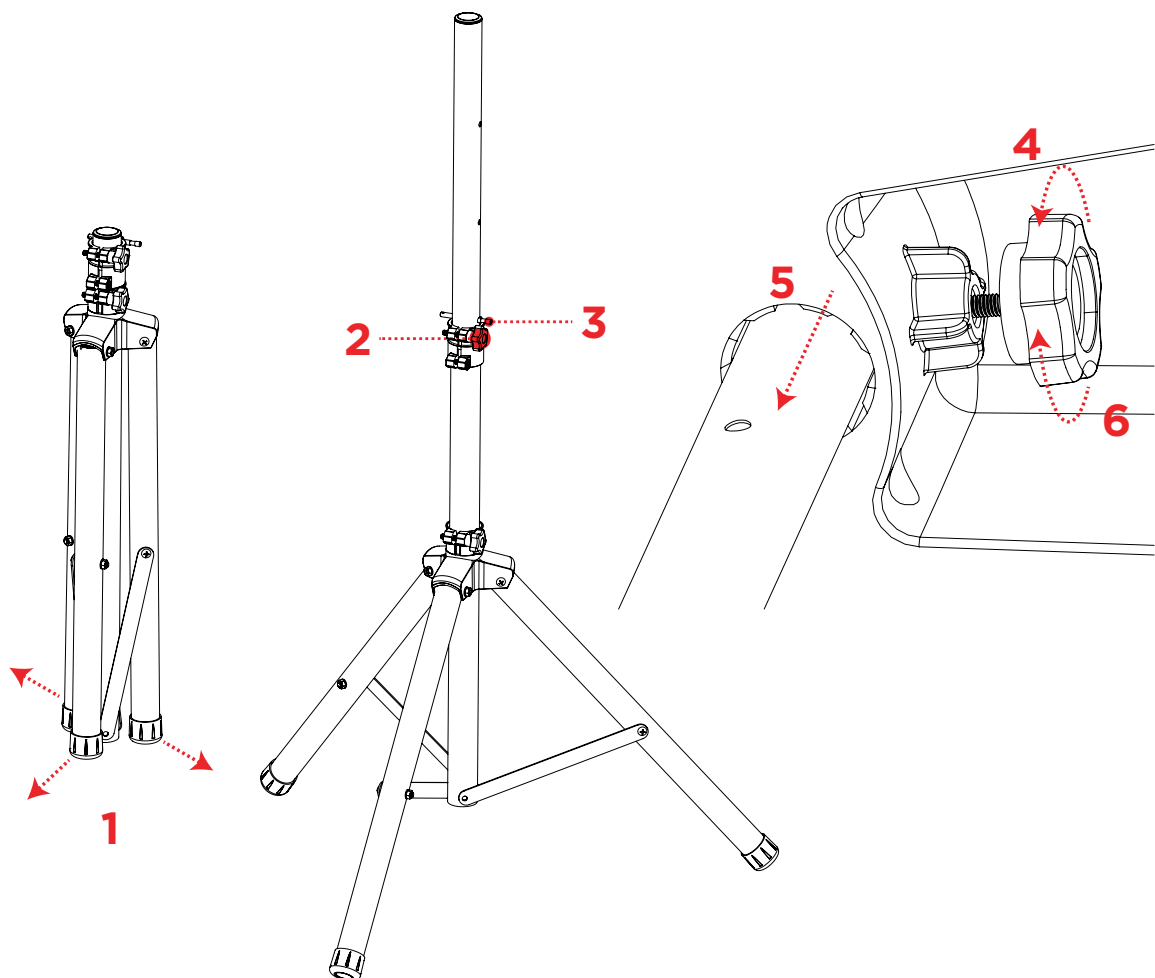


For specific troubleshooting steps, please see the [Troubleshooting](#) section.

# SETUP

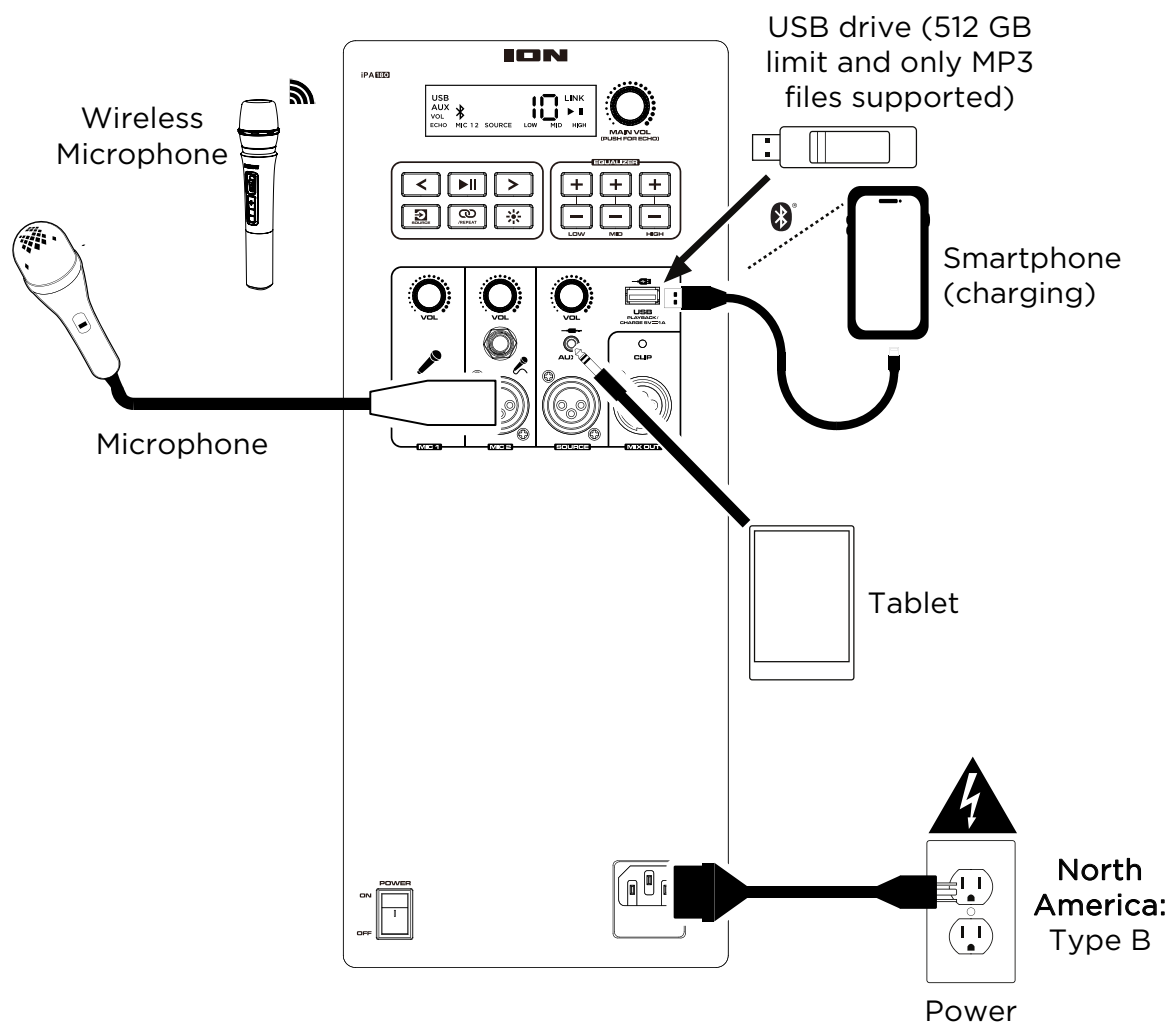
## Speaker Stand Installation

1. Fully extend the speaker stand tripod legs on a flat, stable surface.
2. Raise the mounting pole up to the appropriate height needed and tighten the side adjustment knob.
3. Insert the pin into the bottom pin-hole so the mounting pole stays at your set height.
4. On the Total PA™ Quake, adjust the bottom knob counter-clockwise so the screw is not blocking the opening.
5. Line up the Total PA™ Quake mounting hole with the speaker stand pole and place on the pole.
6. Tighten the mounting knob clockwise on Total PA™ Quake to secure it to the pole.



# Connection Diagram

Items not listed under the *Box Contents* are sold separately.

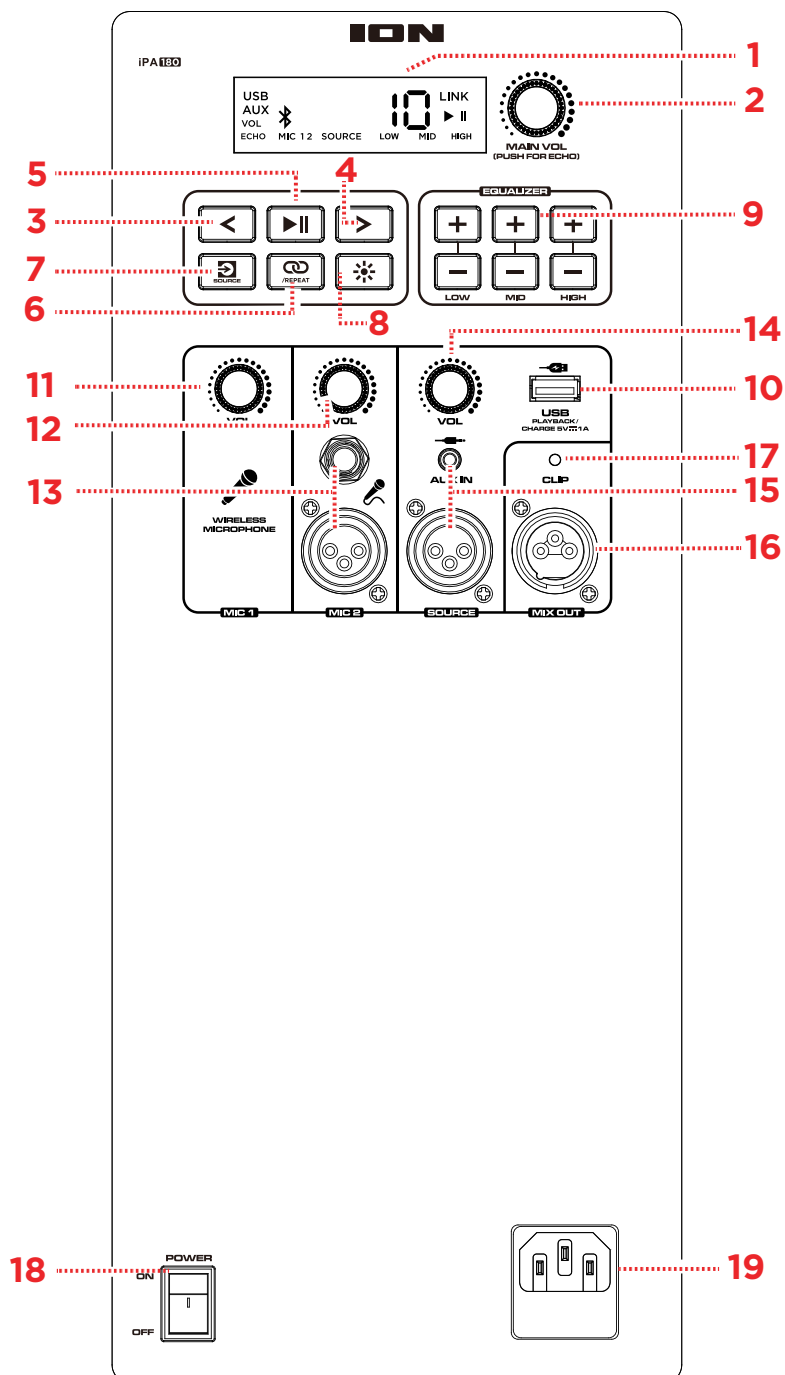


| Region                  | Plug Type | Power |
|-------------------------|-----------|-------|
| Europe, Korea           | Type F    |       |
| United Kingdom          | Type G    |       |
| Australia / New Zealand | Type I    |       |
| Japan                   | Type A    |       |

# FEATURES

## Rear Panel

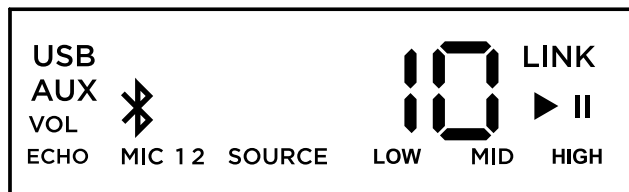
Click a control below to jump to that section.



## 1. Display

This screen shows information relevant to Total PA™ Quake's current operation.

**Note:** The **Display** comes with a plastic protector on it. Remove this for optimal viewing.



## 2. Vol (Main Volume) / Echo Knob

Turn this knob to adjust the Main Volume (overall output) of the loudspeaker. Press the knob and turn to cycle through to select the Echo effect. See the section [Using the Main Volume Knob](#) for more details.

**Note:** To factory reset the speaker to default settings and erase all presets, hold down the **Main Volume** knob for five seconds. The speaker will power cycle and the reset will be successful.

## 3. Previous Track

When USB or Bluetooth is selected as the audio source, press this button to go to the previous track in the playlist. Press the button again within one second to skip to the previous track.

## 4. Next Track

When USB or Bluetooth is selected as the audio source, press this button to go to the next track in the playlist.

## 5. Play/Pause

When USB is selected as the audio source, press this button to play/pause the currently selected track. Double-press this button to stop playback and return to the beginning of the track list.

When Bluetooth is selected as the audio source, press this button to play/pause the currently selected track.

Press and hold this button for three seconds to turn voice prompts on or off.

## 6. Stereo-Link™ / Repeat

When connected to a device in Bluetooth mode, press and hold this button to Stereo-Link™ to another Total PA™ Quake. See the section [Linking Two Speakers](#) for more details.

In USB mode, press this button to repeat a single track, folder, or all tracks. See the section [USB Mode](#) for more details.

## 7. Source

Press this button to select the audio source to use: USB, AUX, or Bluetooth. The default source when powering on Total PA™ Quake is Bluetooth. The USB source is only selectable if a USB drive is plugged into Total PA™ Quake; otherwise, the Source button will toggle between Bluetooth and Aux.

To disconnect a connected Bluetooth device, double-press this button.

Press and hold this button for five seconds to view the firmware version.

## 8. Lights

Press this button to select how the lights on the front panel function. See the section [Light Modes](#) for more details.

**Note:** For the best lighting effect, you may need to adjust the volume of your device and/or the Source volume.

## 9. EQ

Press the - / + buttons for the equalizer to increase or decrease the low, mid, and high frequencies.

## 10. USB Charge/Playback Port

You can use this port for charging a USB device, such as a tablet or smartphone.

Connect your USB flash drive here to play music. Use the SOURCE Volume knob to adjust the volume. Press the **Stereo-Link™ / Repeat** button to cycle through the four repeat/shuffle options. See the section [USB Mode](#) for more details.

**Note:** Your USB drive cannot be more than 512 GB and it must contain playable MP3 files in order for its data to appear properly in the Display. When you connect a USB drive with MP3 files, Total PA™ Quake will order the files alphabetically by folder on the root directory and then by track name in the folder.

## 11. MIC 1 Wireless Mic Volume

Adjust the volume of the included wireless mic using this knob. See the section [Using the Wireless Mic](#) for more details on setting up and turning on the microphone.

## 12. MIC 2 Volume

Adjust the volume of the microphone or mic-level source connected to the **MIC 2 Inputs** using this knob.

**TIP:** For proper audio level mixing tips for MIC 1, MIC 2, and other Source volumes, see the section [Balancing Your Levels](#).

### 13. MIC 2 Inputs (6.35 mm / 1/4" & XLR)

Connect a microphone or mic-level source to these inputs.

### 14. Source Volume

Adjust the volume of devices connected to the **Aux Inputs** or a **Bluetooth** source.

### 15. Aux Inputs (3.5 mm / 1/8" & XLR)

Connect a CD player, MP3 player, or other audio source to these line-level inputs.

### 16. Mix Out (XLR)

Connect this output to a speaker, mixer, or recorder. All sound from the speaker (including the echo effect but excluding volume and EQ adjustments) will be what is heard on the connected device.

### 17. Clip LED

The Clip LED will flash red if the signal from the input jacks or **Media Panel** audio source is clipping (distortion from an overly loud signal). If this happens, decrease the setting of the **Main Volume** or the volume for the **Aux/Mic Input** (if a loud device is plugged into either).

### 18. Power Switch

Flip this switch to toggle the speaker's power on or off.

### 19. Power Cable Input (IEC)

Insert the included power cable here to power the unit.



# OPERATION

## Battery Care

Follow the instructions below for best results when replacing the wireless mic batteries:

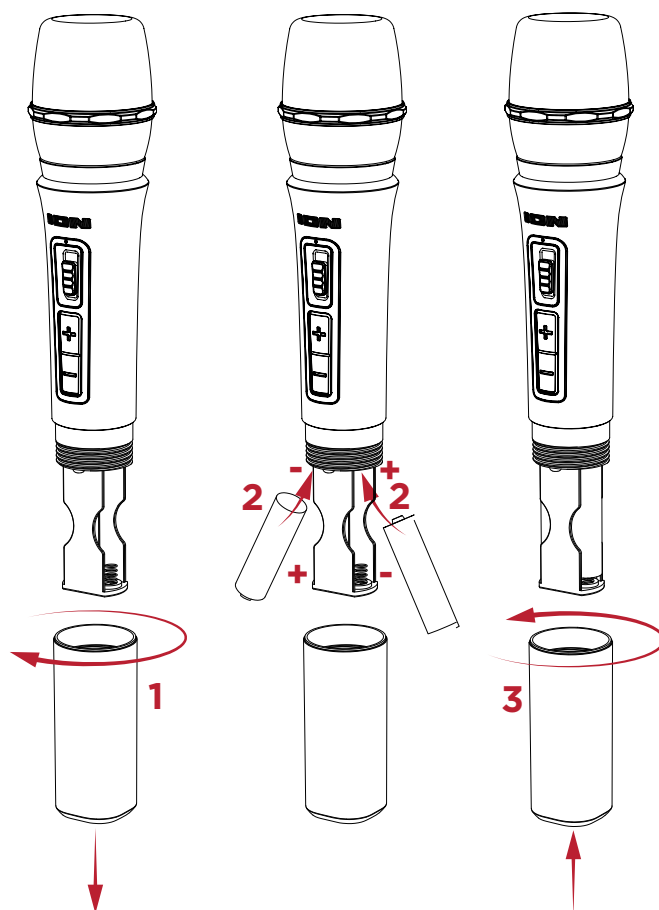
- Clean the battery contacts and also those in the wireless mic battery compartment prior to battery installation.
- Replace both batteries at the same time.

**IMPORTANT:** Do not mix old and new batteries and do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc.) batteries.

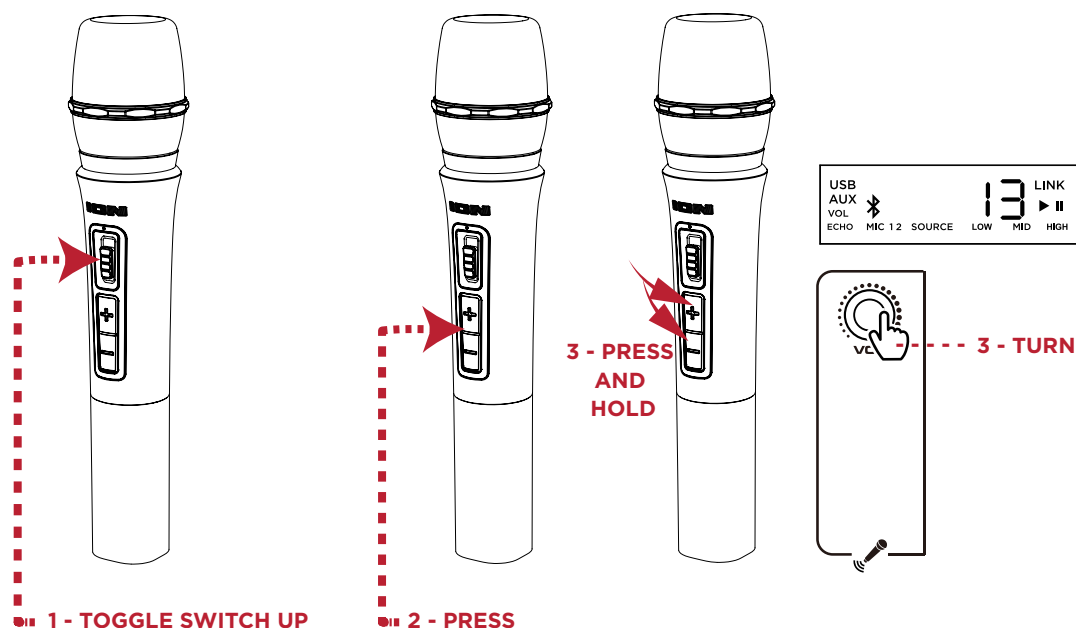
- Remove batteries from the wireless mic if it will not be used for an extended period of time.
- Promptly remove depleted batteries.

## Installing Batteries Into the Wireless Mic

1. Remove the battery compartment cover by turning it clockwise.
2. Install two fresh AA alkaline batteries (not included) in the orientation indicated in the compartment.
3. Reattach the battery cover by turning it counterclockwise.



## Using the Wireless Mic



1. Power on the wireless microphone by toggling the mic's on/off switch up. The power indicator LED will flash blue if pairing to the speaker and will be solid blue when connected to the speaker.
2. Press the +/- controls on the microphone or turn the **MIC 1 Volume knob** to adjust the mic level. If you cannot hear the microphone over your audio source, you may need to decrease the **SOURCE** Volume level or increase the microphone volume
3. The microphone should pair automatically if Total PA™ Quake is powered on. If it does not, press and hold the + and - buttons simultaneously for three seconds to reset mic pairing.

**Note:** The wireless microphone can only be assigned to one speaker in Stereo-Link™ mode. If using more than two Total PA™ Quake speakers, you will need to connect the first speaker's **Mix Out** to the second speaker's **XLR Source input** and repeat the same steps for the remaining speaker(s).

**TIP:** For more details on balancing your volume levels, see the section [Balancing Your Levels](#).

**Note:** A blue and red indicator will appear on the wireless mic when the battery is low and will flash red when it is almost empty.

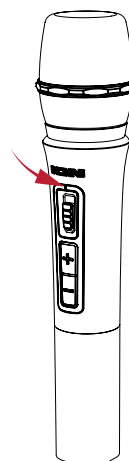
### Wireless Mic LED Indicator:

**Slow flashing blue LED:** The wireless mic is powered on and not in pairing mode.

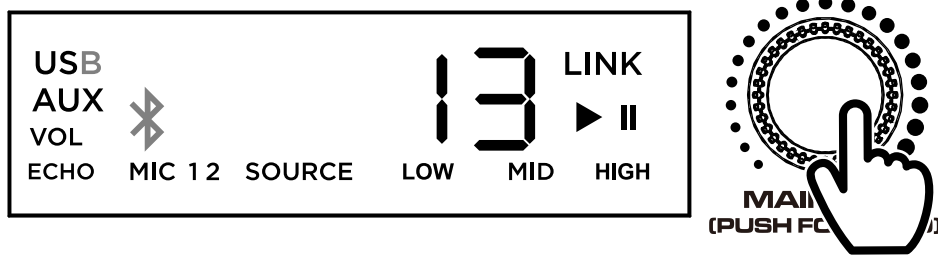
**Quick flashing blue LED:** The wireless mic is attempting to pair with the speaker.

**Solid blue LED:** The wireless mic is paired with the speaker.

**Quick flashing red LED:** This indicates the battery level is low for the wireless mic.



## Using the Main Volume Knob

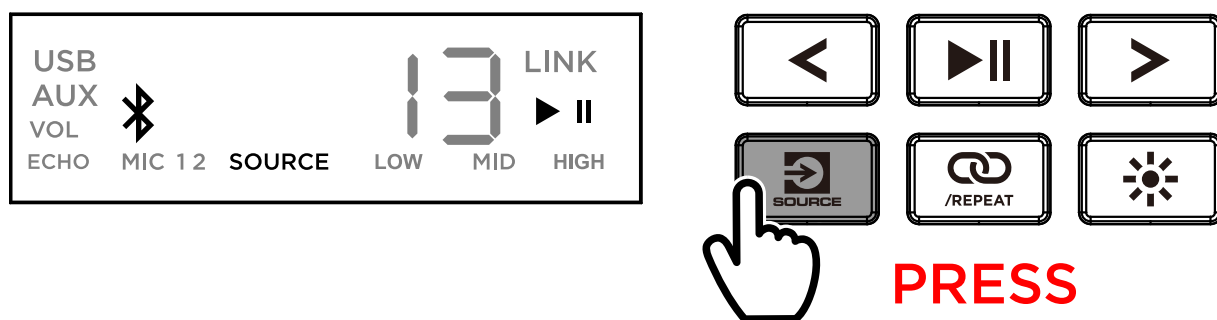


The **Main Volume knob** defaults to controlling the Main Volume for all channels. Press the knob to toggle to the Echo function and rotate the knob to change the setting.

If there is no activity on the **Main Volume** knob for five seconds, the function will go back to Main Volume.

**Note:** To factory reset the speaker to default settings and erase all presets, hold down the **Main Volume** knob for five seconds. The speaker will power cycle and the reset will be successful.

## Pairing a Bluetooth® Device



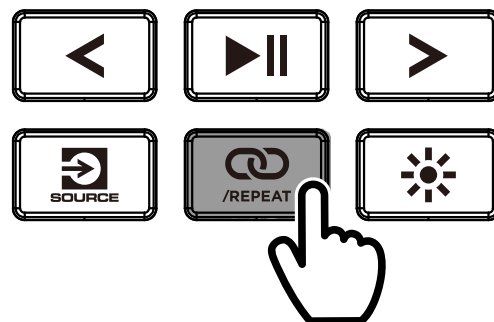
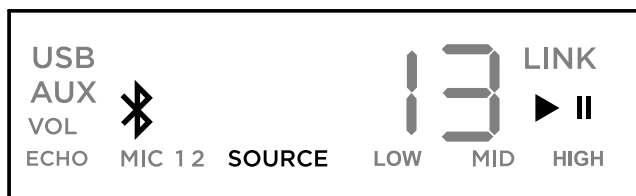
1. Power on the Total PA™ Quake by flipping the power switch on.
2. When the unit is first turned on, it will automatically enter Bluetooth pairing mode. If necessary, press the **Source** button to select Bluetooth mode. If voice prompts are enabled, you will hear “Bluetooth Pairing.”
3. Navigate to your device’s Bluetooth setup screen, find **Total PA Quake**, and connect. Do not connect to **iPA180\_BLE**; this is reserved exclusively for connecting to the **ION Sound Control™** app. When connected, the Bluetooth icon on the display will flash and you will hear “Bluetooth Connected”.

**Note:** If you experience trouble in connecting, select “Forget this Device” on your Bluetooth device and try to connect again.

**Note:** The volume of Total PA™ Quake does not affect your Bluetooth device volume. For the best sound quality, set your input source volume to 100% and use the Source and Main Volume control of the speaker to adjust the volume.

**To disconnect,** double press the **Source** button on Total PA™ Quake.

## Linking Two Speakers



**PRESS AND HOLD  
FOR 5 SECONDS**

1. Power on both Total PA™ Quake speakers by flipping the power switches on. Make sure they are in Bluetooth pairing mode and not connected to a device.
2. Press and hold the **Stereo-Link™ / Repeat** button for 5 seconds on one speaker (the primary speaker which will control both) and then the **Stereo-Link™ / Repeat** button on the secondary speaker to enter Stereo-Link™ mode. Once a link has been established, the word LINK will appear on both speaker displays.
3. Connect to the primary speaker via Bluetooth.

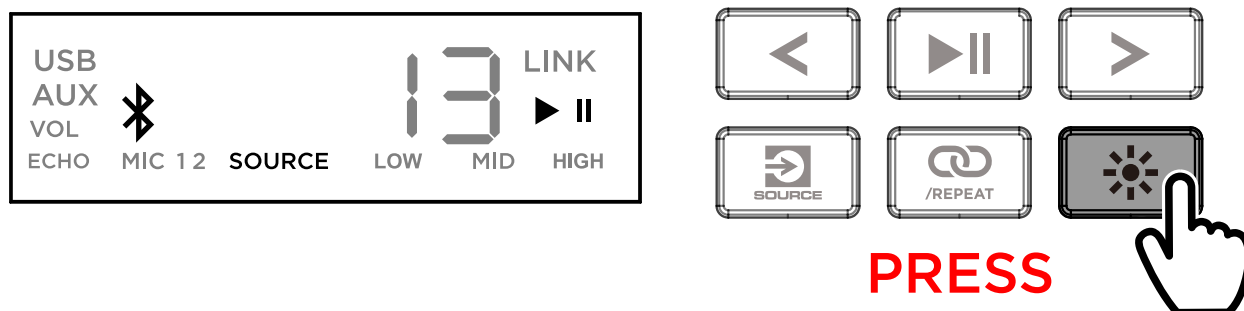
To disconnect, press and hold the **Stereo-Link™ / Repeat** button for 5 seconds.

**Note:** The speakers should be within 26 m (85') of each other to properly link.

**Note:** The wireless microphone can only be assigned to one speaker in Stereo-Link™ mode. If using more than two Total PA™ Quake speakers, you will need to connect the first speaker's **Mix Out** to the second speaker's **XLR Source input** and repeat the same steps for the remaining speaker(s).

**Note:** Total PA™ Quake is not compatible with previous ION PA models. To link to a previous model, you will need to use an XLR cable (not included). Connect the XLR cable to the MIX Out XLR port on the Total PA™ Quake to the XLR In port on the previous model.

## Light Modes



Total PA™ Quake has side lights, tweeter lights, and woofer lights. All LEDs are individually controllable.

When the speaker is first powered on, a red light will move from the bottom of the speaker toward the top, lighting up all LEDs. Once all LEDs are lit up, the lights will hold for two seconds before fading out.

After the power on light effect, all LEDs will fade in and out blue until a Bluetooth device is connected to the speaker. When paired, all LEDs will flash blue two times before going back to the last selected light mode.

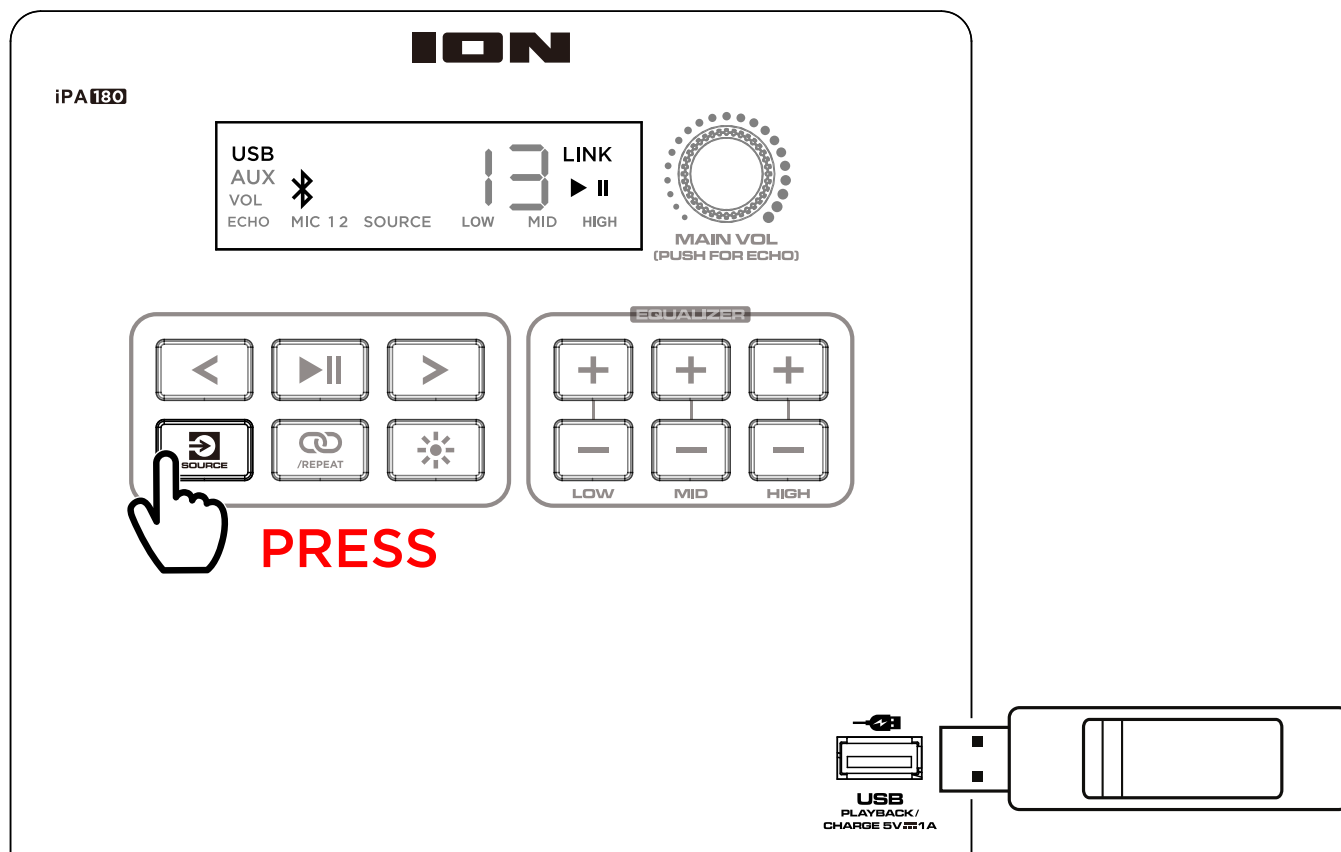
Press the **Lights** button to toggle between twelve modes for the LEDs on Total PA™ Quake.

**Note:** For the best lighting effect, you may need to increase the volume of your connected device or input source.

- **Rainbow Chase - Beat Sync:** A rainbow of colors will spin around the speaker LEDs counterclockwise. The more bass in the music, the faster the speed of the spinning rainbow pattern.
- **Starlight:** Randomly selected LEDs will flash a random color light and slowly fade away. The more bass in the music, the more flashing “star” lights.
- **Fire Pit:** The lights will flicker red, yellow, and orange and the side lights rise up and down. The level of the “fire” is based on the amount of bass in the music.
- **Rain Drops:** The side LEDs will drop a color from top to bottom. Once the color hits the bottom LED, the woofer lights splash like water with the same raindrop color, repeating side to side.
- **Metronome Stars:** A streak of color will flow from the top left side and up to the right side. The color streak will also spin around the woofer lights counterclockwise. These will fade down through the color spectrum. The speed of the light streaks is based on the amount of bass in the music.
- **Star Looper:** A light streak starting on orange in the color spectrum will move from side to side while spinning once around the woofer lights clockwise. The tweeter lights will bounce and cycle down the color spectrum.

- **Bouncing Stars:** Light streaks will flow down the sides. When they meet at the middle bottom part of the speaker, they will bounce back up to the top in the next color in the spectrum and flow downward again. Woofer lights will pulse with the new color when the light streaks bounce in the middle areas, repeating down the color spectrum.
- **Diagonal Waves – Beat Sync:** Three waves of one color will pass by and after they have gone from the top left side to the bottom right side new waves in the next color will appear. Waves will speed up or slow based on the amount of bass in the music.
- **Beat Sync:** All LEDs will move up and down in speed based on the bass level in the music. The color will fade throughout the color spectrum.
- **Color Cycle:** All LEDs will hold the same color while cycling through the color spectrum.
- **Static Color:** All LEDs will stay the same color (the color can be adjusted from the ION Sound Control™ app). By default the color is blue. There are the 15 colors that can be selected from the ION Sound Control™ app.
- **Random:** The LEDs will cycle through all light modes randomly (except Static Color), changing every ten seconds.
- **Off:** All LEDs are off.

## USB Mode



Insert a USB drive with compatible files into the **USB Charge/Playback Port**, then press the **Source** button until USB mode is selected. Total PA™ Quake will automatically play the first compatible MP3 file. Files are played in alphabetical order of what is on the root level, then alphabetical by folder, and then alphabetical by track name. Media playback will stop when all media has been played on the USB drive. Press and hold the **Next** and **Previous** buttons to fast forward or rewind within the song.

**Note:** The USB drive must have playable MP3 files for it to appear on the media panel's display.

Press the **Repeat** button to cycle through the repeat shuffle options (abbreviations will show on the display):

- **(ALL)** - Play all the tracks on the USB drive on repeat. This is the default mode when first powered on.
- **(FOLd)** - Play the current folder's tracklist on repeat. The folder used is based on what song is playing when it is activated. For instance, if a song playing is on the root level, selecting FOLd will repeat only songs at the root level. If a song is in folder "A", then only songs in folder "A" will be repeated.
- **(OnE)** - Play the current USB track on repeat.
- **(rAn)** - Play the tracks in random order.



## App Control

**IMPORTANT:** To ensure the best possible experience with the app, use the most current Android OS or iOS on your device.

Follow these steps to download the free app on your device:

1. Open the Apple App Store or Google Play on your device. Then, search for the **ION Sound Control™** app.
2. Follow the on-screen instructions to download and install the app. Once downloaded, the **ION Sound Control™** app will appear on your device's home screen.
3. Connect your device to Total PA™ Quake via Bluetooth. See the [Pairing a Bluetooth® Device](#) section to learn how to do this.
4. Open the ION Sound Control™ app. If prompted, allow the app to access your device's Bluetooth and Location Services.
5. Select the **Total PA™ Quake** icon to go to the next screen, where you can use the app to control various functions of the speaker such as:
  - **Main Volume:** Adjust the main speaker output volume.
  - **Source Selection:** Select the source to use: Bluetooth, USB, or Aux.
  - **Source Volume:** Adjust the incoming volume for Bluetooth, USB, and Aux sources.
  - **Mic 1 Volume:** Adjust the volume for the wireless mic.
  - **Mic 2 Volume:** Adjust the volume for the 6.35 mm / 1/4" and XLR microphone inputs.
  - **EQ:** Adjust the speaker's equalization.
  - **Mic Echo:** Turn the mic echo effect on/off.
  - **Voice Prompts:** Enable or disable the voice prompts.
  - **Support:** Visit [ionaudio.com](http://ionaudio.com), contact Technical Support, and view Warranty information and Frequently Asked Questions.
  - **Light Effect:** Choose the lighting effect.
  - **Over-The-Air Firmware Updates:** Stay up to date with the latest firmware installation.

# TROUBLESHOOTING

**If the sound is distorted:** You may need to adjust the levels of your sources and Total PA™ Quake for proper mixing.

- i. First, turn your source volume all the way up.
- ii. Then, adjust the selected **Channel Volume (VOL)** knob on Total PA™ Quake to an appropriate level.
- iii. Finally, adjust the **Main Volume** to an appropriate level.

If the sound is still distorted, try lowering the volume control of your sound source, then lowering the **Channel Volume (VOL)** knob on Total PA™ Quake of the channel in use.

**I hear a hum when cables are connected:**

- Disconnect cables from the input jacks to see if it's a faulty cable.
- Make sure the signal cables are not placed near power cables.
- Connect all audio equipment power cables to outlets which share a common ground.

**If there is too much bass:** Try adjusting the EQ control on your sound source or on Total PA™ Quake to lower the bass level. This will allow you to play the music louder before clipping (distortion) occurs.

**What do I do if the wireless mic is not working?:**

- Check to see that the batteries are properly installed.

**IMPORTANT:** Do not mix old and new batteries and do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc.) batteries.

- Install two fresh AA batteries (not included) in the orientation indicated in the compartment. The microphone should pair automatically if Total PA™ Quake is powered on. If it does not, press and hold the + and - buttons on the microphone for 3 seconds to reset mic pairing.

**If there is a high-pitched whistling noise when using microphones:** This is probably feedback. Point the microphone away from the speaker.

**If you can't hear the microphone over the music volume:**

- i. First, turn down the volume from your source using the appropriate **Channel Volume (VOL)** knob on Total PA™ Quake.
- ii. Then, make sure your microphone volume is turned all the way up (if applicable), and then turn up the appropriate **Channel Volume (VOL)** knob on Total PA™ Quake where the microphone is connected.

### If you cannot connect your audio device to Total PA™ Quake via Bluetooth:

- Have your audio device (e.g., smartphone or tablet) and Total PA™ Quake as close together as possible while trying to connect. Make sure both the audio device and Total PA™ Quake are unobstructed by walls, furniture, etc.
- Reset the Bluetooth connection on Total PA™ Quake to disconnect Total PA™ Quake from any other audio device and restart the search process. If this does not work right away, power off Total PA™ Quake and then power it back on. See [Pairing a Bluetooth® Device](#) for more information.
- Reset the Bluetooth connection on your audio device by turning Bluetooth off and back on. You can find this under the Bluetooth menu in the Settings for your phone or other audio device.

If this does not work, and you have connected to Total PA™ Quake before, find Total PA™ Quake in the list of available or previously connected devices in your audio device's Bluetooth menu, tap the "gear" or "i" icon located next to it and then select **Unpair** or **Forget**. Turn Total PA™ Quake off and back on and try pairing again once it reappears in your available devices list.

**Note:** If Total PA™ Quake has been paired to another audio device recently that is still within range, you may need to repeat this process with that audio device to fully disconnect.

**If you experience audio dropouts while playing music from a Bluetooth device,** this may be happening because your unit is trying to link to another speaker. This can occur if you power off a speaker that was linked to your unit or if you have just turned on your unit and it is in Stereo-Link™ mode. To stop the audio dropouts, exit Stereo-Link™ mode by double-pressing the **Stereo-Link™ / Repeat** button. Alternatively, you can wait for your unit to link to another speaker if there is one within range.

# APPENDIX

## Technical Specifications

|                                               |                                                                                                                                                                                                                                                     |                                                                                                                                                              |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Speakers</b>                               | <b>Low Frequency:</b> 381 mm / 15.0"<br><b>High Frequency:</b> 25.4 mm / 1.0"                                                                                                                                                                       |                                                                                                                                                              |
| <b>Frequency Response</b>                     | 40 Hz – 20 kHz                                                                                                                                                                                                                                      |                                                                                                                                                              |
| <b>Wireless Technology</b>                    | Bluetooth®<br>- Classic Audio                                                                                                                                                                                                                       |                                                                                                                                                              |
| <b>Speaker Bluetooth® *</b>                   | <b>Bluetooth® Range:</b> Up to 30.5 m / 100 ft.<br><b>TWS Range:</b> Up to 23 m / 75 ft.<br><b>Transmitter Frequency Range:</b> 2402 MHz – 2480 MHz<br><b>Transmitter Power:</b> 8 dBm<br><b>Transmitter Modulation:</b> GFSK, $\pi/4$ DQPSK, 8DPSK |                                                                                                                                                              |
| <b>Wireless Microphone *</b>                  | <b>Range:</b> 30.5 m / 100 ft.<br><b>Transmitter Frequency Range:</b> 2402 MHz – 2480 MHz<br><b>Bluetooth Transmitter Power:</b> 9.4 dBm                                                                                                            |                                                                                                                                                              |
| <b>USB</b>                                    | <b>Audio:</b> Music playback from USB drive<br><b>Supported File System:</b> FAT32<br><b>Supported File Type:</b> MP3<br><b>Maximum File Size:</b> 4 GB<br><b>Maximum USB Drive Size:</b> 512 GB                                                    |                                                                                                                                                              |
| <b>Power</b>                                  | <b>Region</b><br><b>North America:</b><br><b>United Kingdom:</b><br><b>Australia / New Zealand:</b><br><b>Europe, Korea:</b><br><b>Japan:</b>                                                                                                       | <b>Plug Type</b><br>Type B<br>Type G<br>Type I<br>Type F<br>Type A<br><br><b>Input Voltage:</b> 100-120, 220-240 50/60 Hz, 320 W<br><b>Fuse:</b> F5AL AC250V |
| <b>Dimensions</b><br>(width x depth x height) | 18.89" x 13.94" x 28.05"<br>479.9 x 354.2 x 712.5 mm                                                                                                                                                                                                |                                                                                                                                                              |
| <b>Weight</b>                                 | 38.6 lbs<br>17.5 kg                                                                                                                                                                                                                                 |                                                                                                                                                              |

Specifications are subject to change without notice.

\* Bluetooth and wireless reception and range are affected by walls, obstructions, and movement. For optimal performance, place the product in the center of the room so it is unobstructed by walls, furniture, etc.

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