



mass
FIDELITY

Core

Wireless Speaker System

Instruction Manual

ENGLISH

TABLE OF CONTENTS

IN THE BOX	3
PRODUCT REFERENCE: CORE	3
PRODUCT REFERENCE: REMOTE	5
SETUP	6
POWER UP	6
POWER SAVING	7
LED INDICATORS	7
SOUND NOTIFICATION	8
PLAY MUSIC	9
VIA BLUETOOTH	9
VIA NFC	10
WIRED ANALOG CONNECTION	11
OPTICAL (DIGITAL) CONNECTION	11
VOLUME CONTROL AND MUTING	11
MULTI-ROOM OPERATION	12
GROUPS	13
SPEAKERPHONE	14
CHARGE USB DEVICES	15
CHANGE DISPLAY NAME	15
TROUBLESHOOTING	16
SPECIFICATIONS	19
CARING FOR YOUR CORE	20
SAFETY INFORMATION	20

WELCOME

Congratulations on purchasing Mass Fidelity's Core Wireless Speaker System! This manual provides detailed instructions for setting up and using your Core.

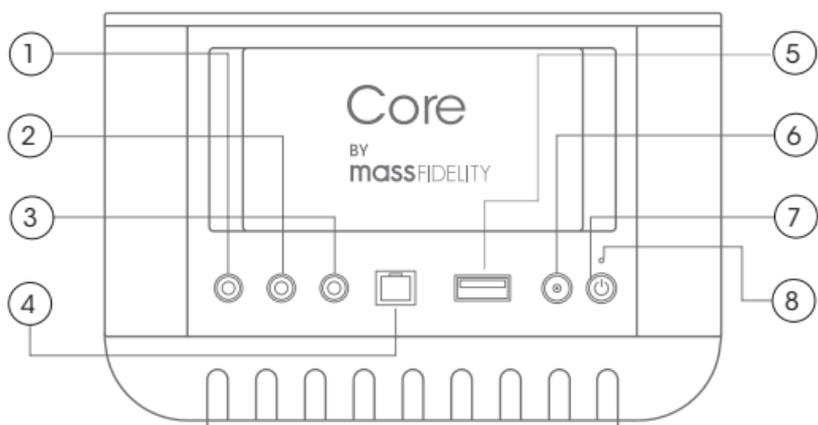
IN THE BOX

- Core Wireless Speaker System
- Power Supply
- International adapters
(North America, UK, Europe, Australia)
- Soundbar Remote Control
- Protective bag
- Quick Start Guide

PRODUCT REFERENCE: CORE



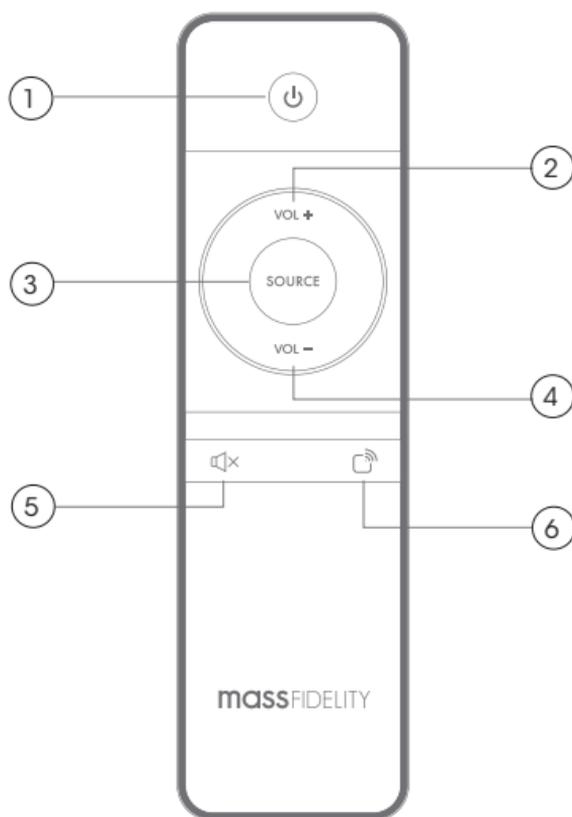
1. **MULTI-ROOM key:** transmit audio from this unit to additional Core speakers for multi-room audio
2. **NFC antenna:** for NFC-enabled Bluetooth device - tap to pair (or touch to pair)
3. **LED indicator:** color indicates operating mode (see p. 7)
4. **SOURCE key:** Select the input source, enable speakerphone, disconnect Bluetooth
5. **VOL - key:** decrease sound volume
6. **VOL + key:** increase sound volume



1. **SUB OUT:** audio output for wired subwoofer
2. **AUX:** Audio input for L/R analog signal
3. **CONTROL:** input for IR receiver eye
4. **OPTICAL:** input for optical digital signal
5. **USB port:** power out to charge USB devices
6. **DC input jack:** input for power supply
7. **POWER key:** switch unit on, off or to standby mode
8. **POWER indicator:** shows power & charging status (see p. 6)

PRODUCT REFERENCE: REMOTE

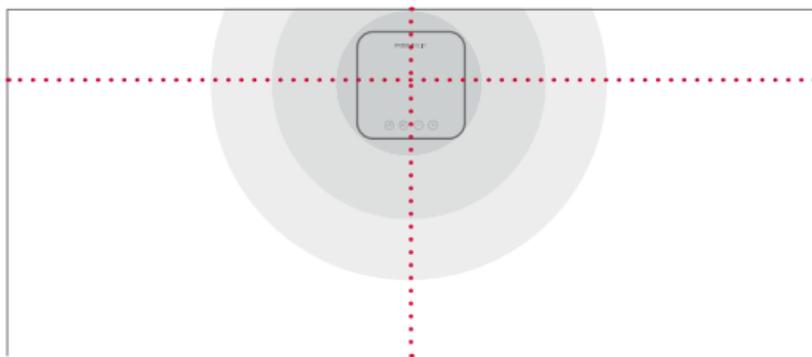
The remote is an IR remote, and it can control any Core. Because it is IR, it should be pointed toward the front of the Core and have clear line-of-sight to the Core. The remote can control any Core. If more than one Core's are side-by-side or close, one remote may trigger one or more Core's. Generally, the keys on the remote perform the same function as the matching keys on the Core unit. Please note however that setup functions that require pressing two keys at the same time must be performed on the Core.



1. **POWER key:** switch the Core to on, off or standby mode.
Please note that the Core must be already on in order to be controlled by the remote control.
2. **VOL + key:** increase sound volume
3. **SOURCE key:** switch input source, operate speakerphone, disconnect Bluetooth
4. **VOL - key:** decrease sound volume
5. **MUTE key:** mute the sound from the Core
6. **MULTI-ROOM key:** transmit audio to additional Core speakers for multi-room audio

SETUP

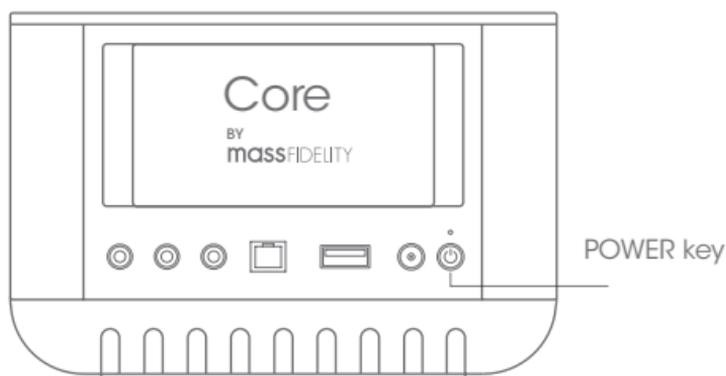
1. The Core has a 50% pre-charge to allow for immediate operation, but for best results charge it fully before use. Connect the power adapter to the Core's DC input jack and a wall outlet. The **POWER** indicator is yellow while charging and turns green when the battery is 90% or more charged.
2. Room placement is very flexible, however for the best sonic imaging place the Core at the center of a wall rather than in a corner, and for best bass response move with its rear-side closer to a wall or any room boundary.



3. Orientation of the unit is also very flexible, however the front of the Core should face the listening area for best sonic imaging, to allow the IR sensor at the front of the Core to detect signals from the remote, and to best orient the microphone at the front of the Core for speakerphone operation.

POWER UP

Press the **POWER** key  to turn the unit on, off or on standby



POWER SAVING

By default, when the power adapter is connected and the Core turned on, it is in the always-on state.

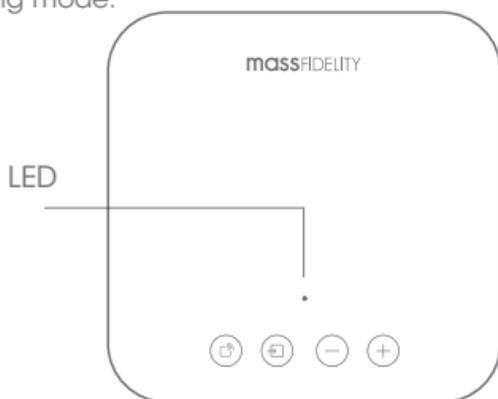
To save power, you can enable the Auto Standby mode. In Auto Standby mode, when the power adapter is connected and the Core receives **no audio signal for 30 minutes**, from any input (Bluetooth, Optical, or Aux), it automatically enters the low-power standby mode. To wake the unit, press the **POWER** key (⏻).

The Auto Standby Mode can be enabled by pressing the **POWER** key (⏻) for 10 seconds (until the LED indicator flashes green) and disabled the same way (until the LED indicator flashes red). When the Core is in the Standby Mode, the IR remote control cannot control the unit (since it is not "on").

If the Core is running on battery power and has no audio signal from any input (Bluetooth, Optical, or Aux) for 10 minutes, it turns off to save battery power. To turn the Core back on, press the **POWER** key (⏻).

LED INDICATORS

The LED Indicator on the top of the Core indicates the operating mode.



LED Indication	Mode
Red ●	DC power adapter connected, Standby mode
Blue ●	Bluetooth on, Connected to an external device
Purple ●	Multi-room mode

LED Indication	Mode
White 	Aux input mode
Orange 	Optical input mode
Green 	Speakerphone mode is active

Flashing LED	Reason
Flashing Red 	Power adapter not connected, battery level below 10%
Flashing Blue 	Bluetooth is on but is not connected to a Bluetooth device
Flashing Purple 	Multi-room connection mode
Green (one flash) 	Confirms a feature has been enabled.
Red (one flash) 	Confirms a feature has been disabled.

The LED Indicator on the rear of the Core indicates the battery status.

LED Indication	Mode
Yellow 	Battery charging
Green 	Battery charged (over 90%)

SOUND NOTIFICATION

Sound notifications indicates battery level and features being enabled/disabled.

Sound	Reason
2 beeps	Battery level below 10%, DC power adapter not connected
4 beeps	Battery level below 5%, DC power adapter not connected
Enabled sound	Bluetooth connection established, Confirms a feature has been enabled.
Disabled sound	Bluetooth disconnected, Confirms a feature has been disabled.

PLAY MUSIC

VIA BLUETOOTH

A wireless Bluetooth connection is the easiest way to deliver content from a smartphone or tablet to the Core. Bluetooth devices are “paired” to enable automatic connection whenever they are within signal range (about 30 feet or 10 metres).

Pair a Bluetooth device:

1. Press the **SOURCE** key (Ⓜ) until the LED indicator turns blue and flashes.
2. Turn on Bluetooth on the source device and in the list of available Bluetooth devices select “Core-xxxxxx” (where xxxxxx are six alphanumeric characters). When the source device and the Core are paired and connected, the LED indicator on the Core stops flashing and remains solid blue.
3. When the source device and the Core are connected via Bluetooth, select music on the source device to play it through the Core.
4. To avoid hearing the source device’s sound notifications (call, email, text, etc.) from the Core, disable them on the source device. *This function and method depends on your source device.*

Bluetooth connection:

When Bluetooth is enabled on the Core, the Core attempts to auto-connect to the last connected source device.

- If the last connected source device is within range of the Core and both have Bluetooth enabled, they connect automatically and then music or sounds from the source are played through the Core. The LED Indicator is blue when the Core is connected to a paired device.
- If the last connected device is not available, the Core waits in the disconnected state for manual connection of a previously paired device or connection of a new device. The LED Indicator flashes blue when Bluetooth is on but the Core is not connected to another device.

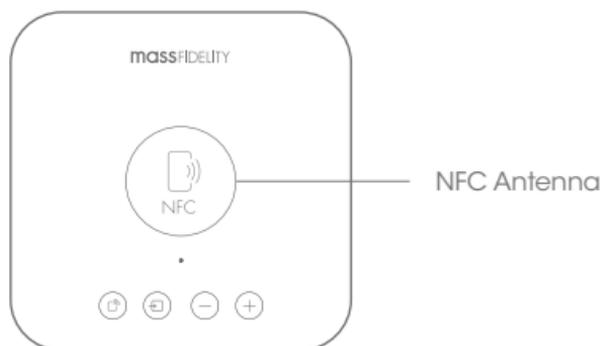
Disconnect Bluetooth:

- To disable the current Bluetooth connection, turn off Bluetooth on your source device, or unpair the Core on your source device.
- Alternatively, you can erase the current Bluetooth connection by pressing the SOURCE key  for five seconds.

VIA NFC

If the Core is on, simply tap the unlocked, NFC-enabled phone or tablet at the top center of the Core to make an instant connection. The Core switches to Bluetooth mode, pairs with the device and establishes a connection. This process will also disconnect the current Bluetooth connection, if any, to the Core.

- If the Core is on standby or off, tap the unlocked, NFC-enabled phone or tablet at the top center of the Core to turn the unit on and switch to Bluetooth mode, then tap again to pair the Core to the device and establish a connection.



- If the NFC pairing process is not successful, restart the device you are pairing with the Core and repeat the process.
- When the source device and the Core are connected via Bluetooth, select music on the source device to play it through the Core.
- To avoid hearing the source device's sound notifications (call, email, text, etc.) from the Core, disable them on the source device. *This function and method depends on your source device.*

NOTE: Some NFC-enabled handsets will automatically switch Bluetooth on if it is not already on.

WIRED ANALOG CONNECTION

The Core includes a stereo analog input so you can connect a standard 3.5mm stereo audio cable from analog sound sources such as a CD player, turntable (with a phono preamp), or PC.

1. Connect a standard stereo 3.5mm audio cable from the sound source to the AUX input.
2. Press the SOURCE key  until the LED indicator turns white.
3. Select music on the source device to play it through the Core. For best sound quality, turn the volume on the source device to mid range and control the output volume using the VOL+ key  and VOL- key  on the Core.

OPTICAL (DIGITAL) CONNECTION

The Core includes an Optical digital connector so you can connect to digital sound sources such as a home theatre system or cable box.

1. Connect an optical audio cable from the sound source to the **OPTICAL** input.
2. Press the **SOURCE** key  until the LED indicator turns orange.
3. Select music on the source device to play it through the Core.

VOLUME CONTROL AND MUTING

- The Volume controls increases or decreases the volume in 32 steps from muted to 100%
- When the unit goes into standby mode, it remembers the last volume level, and returns to it when it comes out of standby mode.
- If the unit is turned on after being shut down, the last volume setting used is remembered as long as it is not louder than step 25 or lower than step 9. If the last volume setting used was louder than step 25, the level is reset to step 25. If the last volume setting used was lower than step 9, the level is reset to step 9.

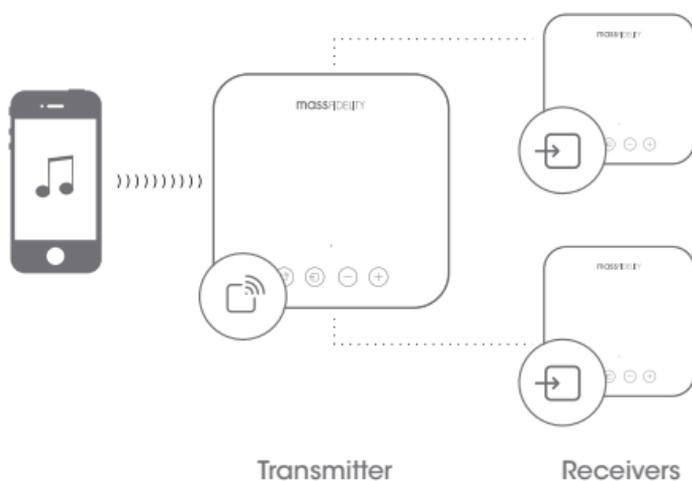
- When changing input sources, entering or leaving mute mode, and entering or leaving standby mode, the system implements a soft muting scheme. The time taken to unmute depends on the current volume level.
- To mute the sound, press Mute on the remote control or turn the volume down to 0 on the Core.

To unmute, press any button on the remote control or any top key on the unit.

MULTI-ROOM OPERATION

You can wirelessly connect up to eight Core speakers throughout your home for whole-house audio via the Core's private dedicated 5.2/5.8 GHz frequency hopping network that provides uncompressed digital audio distribution above CD quality. This can include one or more Core speakers that are connected to a Core Wireless Subwoofer or a wired subwoofer. This does not use or require a wireless home network.

One Core speaker functions as the transmitter and all other units receive and play the signal or can be configured as independent speakers.



To use the multi-room functionality simply follow these steps:

1. Make sure all your Core speakers are powered on.
2. Connect your music source (e.g. smartphone) to the Core that will transmit to the other Core speakers, and play music.

3. Press the **MULTI-ROOM** key  on the Core that is connected to your music source.
4. On all other Cores, press the **SOURCE** key  until the LED indicator flashes purple to indicate Multi-room input.

Music will now play simultaneously on all your Core speakers. To configure a different Core speaker as the transmitter, simply press the **MULTI-ROOM** key  on the chosen unit.

GROUPS

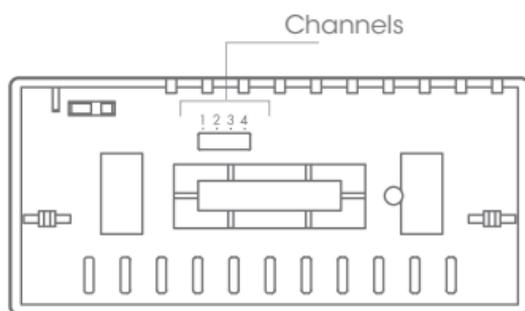
It is possible to create up to four multi-room networks in order to create separate groups within one household or between households (to resolve network conflict with a neighbor, for example). All units ship with Channel 1 selected by default.

To select a different channel for a group, on each Core unit that you want to be in this separate group:

1. Turn off the Core and disconnect the power adapter.
2. Remove the wireless module from the rear of the Core.
Be careful to not damage or touch the pins.



3. Set the alternative network sliding switch to channel 2, 3 or 4.



4. Replace the wireless module.
5. Turn the Core back on.
6. Then all the Cores with this new channel setting can be linked as detailed in the previous section.

SPEAKERPHONE

When connected to a smartphone via Bluetooth, the Core can be used as a speakerphone to answer calls without touching the phone. The speakerphone function is normally not enabled from the factory.

1. To enable the speakerphone function, press and hold both the **POWER** key  and **SOURCE** key  for five seconds. The LED indicator flashes green to confirm speakerphone function is enabled.

Note: On certain phones, it may be necessary to un-pair & re-pair with the Core to enable the speakerphone function.

2. When a call is received on the smartphone, the Core switches to Speakerphone operation. The music volume fades and the LED indicator turns green. Press the **SOURCE** key  to answer the call or simply answer on your smartphone,

NOTE: So the caller can hear you clearly, ensure the microphone on the front of the Core faces your general direction when speaking.

3. To end the call, press the **SOURCE** key  again or hang up on your smartphone. The music fades back in and the LED indicator returns to the previous state.
4. To disable the speakerphone function, press and hold both the **POWER** key  and **SOURCE** key  for five seconds. The LED indicator flashes red to confirm that speakerphone function is disabled.

NOTE: During speakerphone operation all battery status display is suspended.

CHARGE USB DEVICES

The USB port provides a convenient location to power and charge a USB device, such as a smartphone or tablet.

- Connect a standard USB cable to the device, then to the USB Port. When charging has completed, disconnect the cable from the USB Port and then from the device.

CHANGE DISPLAY NAME

The default Bluetooth device name for each Core unit is Core-xxxxx (where xxxxxx are six alphanumeric characters), however that name can be overwritten by one of 25 presets stored in internal memory, simplifying the identification of the different Core speakers in a multi-room system.

1. To enter the Bluetooth renaming mode, press and hold the **POWER** key (⏻) and the **MULRI-ROOM** key (🔊) for five seconds. The LED indicator turns green then back to the source colour.
2. To scroll forward in the selections, press the **VOL+** key (+). To scroll backward, press the **VOL-** key (-).
3. Press the **MULTI-ROOM** key (🔊) to confirm your selection.
4. Press the **POWER** key (⏻) to turn the unit off. The LED indicator flashes red while turning off.
5. Press the **POWER** key (⏻) to turn the unit back on.
6. Unpair the Bluetooth connection ("Forget device" on iOS devices) then pair with the Core unit with the new name.

The available presets are:

Voice-over Menu	Associated Display Names
1. Living room	Core-LIVING ROOM
2. Kitchen	Core-KITCHEN
3. Dining Room	Core-DINING ROOM
4. Party room	Core-PARTY ROOM
5. Bedroom 1	Core-BEDROOM 1
6. Bedroom 2	Core-BEDROOM 2
7. Patio	Core-PATIO
8. Office	Core-OFFICE
9. Salon	Core-SALON
10. Cuisine	Core-CUISINE
11. Salle à Manger	Core-SALLE A MANGER
12. Salle de jeux	Core-SALLE DE JEUX
13. Chambre 1	Core-CHAMBRE 1
14. Chambre 2	Core-CHAMBRE 2
15. Patio	Core-PATIO
16. Bureau	Core-BUREAU
17. Wohnzimmer	Core-WOHNZIMMER
18. Küche	Core-KUECHE
19. Esszimmer	Core-ESSZIMMER
20. Partyraum	Core-PARTYRAUM
21. Schlafzimmer 1	Core-SCHLAFZIMMER 1
22. Schlafzimmer 2	Core-SCHLAFZIMMER 2
23. Terrasse	Core-TERRASSE
24. Büro	Core-BUERO
25. Core	Core

TROUBLESHOOTING

If you have a problem with your Core, try the troubleshooting suggestions next and additional suggestions on the FAQ/ Troubleshooting section of our website (massfidelity.com/support/faqs). If none of these solve the problem, please contact Customer Support at support@massfidelity.com or give us a call at **1.647.558.0726**

The Core does not turn on

- The battery may be completely discharged. Connect the power adapter and wait 30 minutes for the unit to partially charge enough to operate

Volume too low

- Increase the volume setting on the source device.
- The recording may have low volume. Try a different recording.
- The battery may be low. Connect the power adapter to provide power and recharge the battery

Distorted Sound

- The quality of the audio that you are playing affects the quality of the audio the Core produces. Because the Core is a high-performance audio reproduction system, you may not have been previously able to hear the distortion in the audio, but now it may be evident. Changing your audio to a high-quality file or format will allow you to hear a higher-quality signal. The Core cannot correct deficiencies in the audio source.
- Lower the volume setting on the source device and/or the Core.
- Insure the surface the Core is sitting on is not interfering with the sound.
- The battery may be low. Connect the power adapter.

Unable to pair with a Bluetooth device

- Press the **SOURCE** key  for five seconds to delete existing Bluetooth pairings then try again.

Bluetooth connection lost

If the Core is still operating in Bluetooth mode but the connection has been lost (LED indicator flashing blue).

- Ensure there are no obstacles to block Bluetooth wireless connection. Bluetooth is a short-range “same room” wireless connection.
- Move the connected device closer to the Core.
- Delete all existing Bluetooth pairings (press the **SOURCE** key  for five seconds) then re-establish the connection (see PLAY MUSIC section). If this does not work, try to pair a different Bluetooth device – it’s possible that your first Bluetooth device has very short range. There are substantial range differences between Bluetooth devices. The Core is a high performance Bluetooth device, but it cannot correct for the lower Bluetooth performance of other devices.

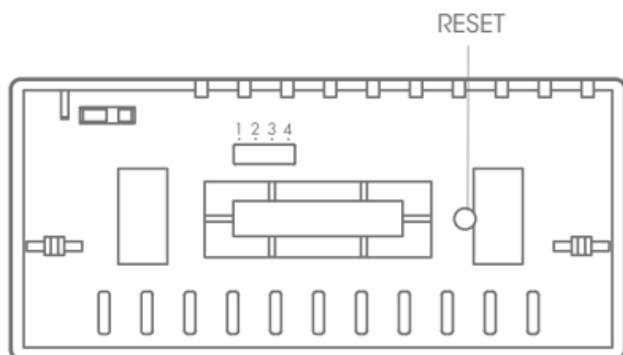
Unresponsive to user input

If the Core becomes unresponsive to any user input (unable to power off, keys not responding, audio streaming cannot be started or stopped, etc.), press the reset switch to reset and power off the unit.

1. Disconnect the power adapter from the Core.
2. Remove the wireless module at the back of the Core.
Be careful to not touch or damage the pins.



3. Use a small-tip tool to gently press the Reset switch.
The unit will power off completely.



4. Reinsert the wireless module.
5. Press the **POWER** key (⏻) to turn the unit back on.

SPECIFICATIONS

Size (W x D x H)	6 x 6 x 4 in (15 x 15 x 10 cm)
Weight	3.5 lb (1.6 kg.)
Operating temperature	30 to 120 °F (0 to 50 °C)
Storage temperature	0 to 160 °F (-20 to 70 °C)
Exterior materials	Chrome, polycarbonate, fabric
Amplifier power	120 Watts
Frequency response	44 Hz – 20 kHz
Speakers	Five custom designed high output drivers
Power supply	100 - 240 VAC, 50/60 Hz
Bluetooth®	Class 1
Bluetooth® Range	60 ft.; 18 m
Supported Codecs	aptX®, AAC, SBC
Multiroom network	Adaptive 5 GHz dedicated network
Optical input	PCM stream up to 24 bit/192kHz
Battery Life	up to 12 hours

* Specifications subject to change without notice.

* Battery life can vary according to volume level or music being used.

CARING FOR YOUR CORE

- Clean the Core using a soft cloth only. Household cleaners and solvents can damage the exterior.
- The Core's grill is not removable. Tampering with the grill may damage your Core.

SAFETY INFORMATION

WARNING

- Do not attempt to repair, modify, or disassemble your Core.
- Do not expose the Core to rain or other liquids.
- Do not use it near heat sources or naked flames or candles.
- Unplug the Core during lightning storms and extended periods of non-use.
- Only use attachments, accessories and power supplies specified by Mass Fidelity.

BATTERY

The lithium-ion battery in the Core is not user replaceable and can only be replaced by Mass Fidelity or a Mass Fidelity Authorized Service Provider.

Core

Designed in Canada. Made in China.

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