



Core Sub

Wireless Subwoofer for
the Core System

Instruction Manual

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WELCOME

Congratulations on purchasing Mass Fidelity's Wireless Subwoofer for your Core Audio System.

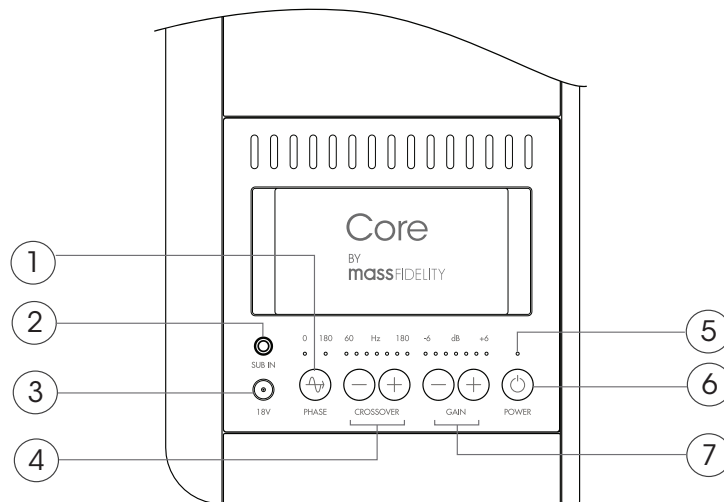
This manual provides detailed instructions for setting up and using your Core Sub.

IN THE BOX

- Wireless Subwoofer
- Power Supply
- International Adapter (may vary depending on your region)
- 7-m (23') 3.5-mm Audio Cable
- 4 additional rubber feet
- Quick Start Guide


PRODUCT REFERENCE: CORE SUB






The following is an overview of your Core Sub's side-panel connections and controls:



1. **PHASE:** Switch phase of Subwoofer
2. **Sub IN:** Use for 3.5-mm wired (Line-In) connection
3. **DC INPUT JACK:** Power supply connector input
4. **CROSSOVER:** +/- keys allow for setting crossover frequencies
5. **LED INDICATOR** Color indicates operating mode or selected connection (see page 4)
6. **POWER:** On or Standby mode
7. **GAIN:** +/- keys allow for adjustments to Gain in 2-dB increments

LED INDICATORS

The main LED indicator (above the POWER key ) indicates operating mode or style of connection:

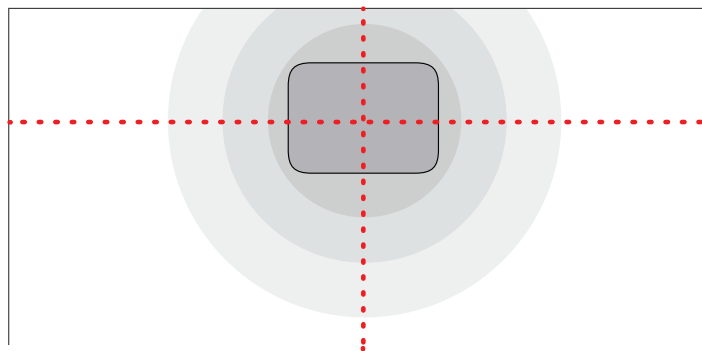
| LED Indication | | Mode |
|-----------------|---|--|
| Red |  | Subwoofer is in Standby mode |
| White |  | Wired (Line-in) connection is being used |
| Purple |  | Wireless input is active |
| Flashing Purple |  | Waiting to establish wireless connection |
| Green |  | Auto-standby is enabled |

Additional LED indicators are also provided to show selected crossover frequency and phase.

SETUP

Room placement is flexible; however, for best bass performance place your Core Sub close to a wall or in a corner, leaving 3" to 4" (5 cm – 8 cm) of space between the Subwoofer and the wall (as shown below). Bass is a personal preference, so we encourage you to experiment to find the placement that best suits your listening tastes.

Close to a wall



In a corner



POWER UP

Connect the power supply cable to the Subwoofer's DC input jack and plug the power adapter into a wall outlet.


Press the POWER key  to turn the Subwoofer On or enter Standby.

POWER SAVING

Auto Standby (Power Saving mode)



Your Core Sub ships with the power-saving feature turned OFF.


To enable Auto-Standby

While the Core Sub is turned ON, press and hold the POWER key  for 10 seconds, or until the LED above the Power key flashes green to confirm Auto-Standby is enabled.

If after 30 minutes the Subwoofer does not sense an audio signal it will enter Standby mode to conserve power.

To disable Auto-Standby

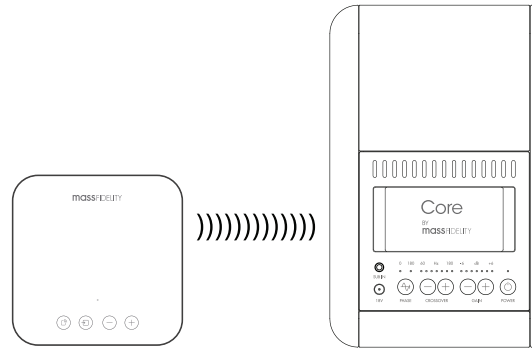
While the Core Sub is turned ON, press and hold the POWER key  for 10 seconds, or until the LED above the POWER key  flashes red to confirm Auto-Standby is disabled.

When Auto-Standby is disabled and the Subwoofer is plugged into a wall outlet, it remains ON until the power supply cable to the wall is unplugged or the POWER  button is pressed to put the unit into Standby mode.

CONNECTION

Your Core Sub will accept a **wireless** or a **wired** (3.5-mm Line-In) connection.

WIRELESS CONNECTION





Pair your Core Sub with a Core speaker so they can be remembered as a pair on the network:

NOTE: The subwoofer can be wirelessly connected to only one Core speaker at a time.

Steps to Pair:

Make sure your Core Sub is powered on.

1. **On your Core speaker (must be powered on)**, press and hold the POWER key  and the VOLUME  key for 5 seconds.
2. Wait for the LED on the top of the speaker to flash green, once, confirming pairing with your subwoofer.

The main LED on the subwoofer will flash purple to indicate that it is ready to establish a wireless connection.



3. **On your Core speaker**, press the MULTI-ROOM key .

The main LED on the subwoofer will turn solid purple to indicate that the wireless connection is made.

Your Core speaker and subwoofer will now remain paired, even after the system is powered off.

Steps To Unpair:

To unpair the subwoofer from your Core speaker:

1. **On your Core speaker (must be powered on)**, press and hold the POWER key  and the VOLUME  key for 5 seconds.
2. Wait for the LED on the top of the Core speaker to flash red, once, confirming unpairing.

The LED on the Subwoofer will now flash purple to indicate that it is ready to establish a new wireless connection.

Connecting the Core Sub to a Different Core Speaker:

In order to connect to a different Core speaker:

1. Unpair your Subwoofer and Core speaker by following the "Steps to Unpair" (page 6).
2. Pair with the new speaker, following the "Steps to Pair" (page 6).

What to do if Pairing Fails?

If pairing fails:

1. **On the Core speaker**, enable pairing mode by pressing the POWER key (⏻) and the VOLUME (+) key, until the top LED flashes green.
2. Press the MULTI-ROOM key (🏠) on the Core speaker and wait for the Subwoofer to connect.

If pairing is still unsuccessful:

Turn OFF the Core speaker and Subwoofer and make sure that they are both on the same network channel (see "Creating An Alternative Multi-Room Network (Groups)", below).

CREATING AN ALTERNATIVE MULTI-ROOM NETWORK (GROUPS)

You can create up to four multi-room networks in order to create separate groups within one household or between households (e.g., to resolve network conflict with a neighbor). This allows for up to four separate Subwoofer pairings within the same house.

Example of a Multi-Room Network

If you have a TV in the family room and another one in the living room, or a bedroom, or basement, you simply select different channels for each pairing so that all groups (speaker and subwoofer) operate independently and without interfering with each other.

You can have up to 4 separate Core speaker and subwoofer pairings throughout your home, with each Core speaker playing with its own Core Sub.

NOTE: All Core speakers and Core Subs ship with Channel 1 selected by default.

To Select a Different Channel for a Group

Follow the instructions below for each Core speaker and Core Sub that you want in the group:

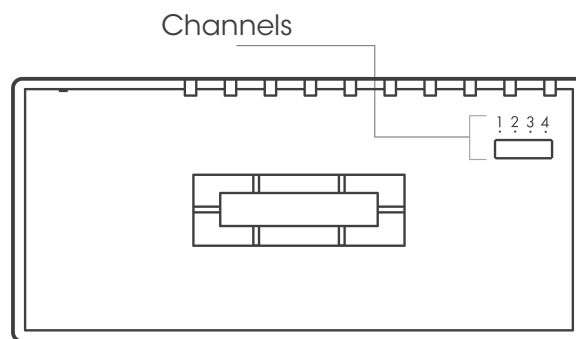
1. Turn off the Core speaker and/or Subwoofer and disconnect the power adapter.
2. Remove the wireless module from the rear of the Core speaker or the side of the Subwoofer (see diagram).



IMPORTANT: Be careful not to touch or damage the pins!

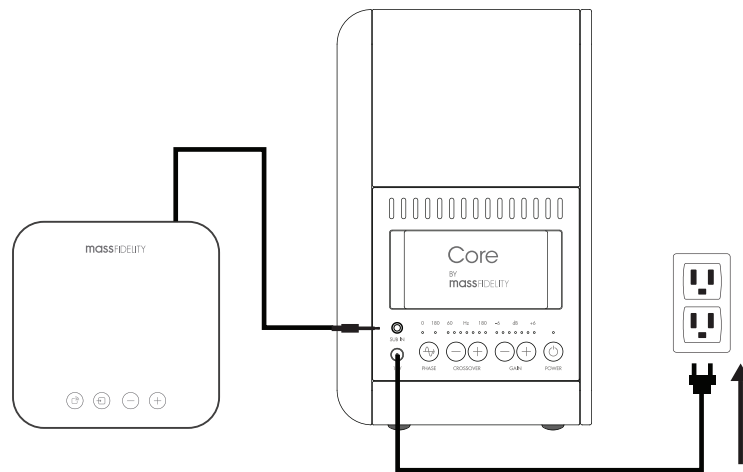
On the Core Sub, this wireless module fits snug so that it does not audibly vibrate. If you have trouble removing the module with your fingers, **we recommend using a small tip tool to gently pry it loose.**

3. On both the Core speaker and Core Sub, slide the Alternative Network switch to channel 2, 3 or 4. (Each speaker and Subwoofer must be set to the same channel.)



4. Replace the wireless module.
5. Turn the Core speaker and/or Subwoofer back on.
6. Follow the pairing procedure for your Core speaker and Subwoofer, as detailed in "Steps to Pair", earlier in the manual.

WIRED (LINE-IN) CONNECTION



Connect one end of the 3.5-mm cable (supplied) to the Subwoofer's Sub IN port and connect the other end to the Core speaker's SUB OUT port.

Automatic Switching from Wireless to Wired Mode


When the 3.5-mm cable is plugged into the Subwoofer's Sub IN port, the unit will automatically detect the connection and switch to wired (Line-in mode). **All wireless functionality will be automatically turned off.** If the 3.5-mm cable is unplugged, the Subwoofer will automatically revert to wireless mode.

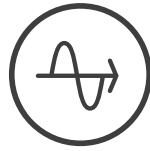
VOLUME CONTROL AND MUTING

On the Core Sub, Volume and Muting are controlled by the Core speaker, either on the speaker itself or by using the Remote Control unit. For additional information, please refer to the Instructional Manual that came with your Core speaker.

SUBWOOFER CONTROLS

Once set, all of the following Subwoofer control settings will be retained until you manually change them.

0 180





PHASE

Default phase setting is 0°.

PHASE ADJUSTMENT

Across a narrow band of frequencies, bass from your Subwoofer will overlap that produced by your Core speaker. Start by setting the Phase switch to 0°, then play a piece of music or soundtrack with plenty of deep bass. If bass sounds too boomy, or too weak, switch Phase to 180°.

The amount of bass is a personal preference, but your Subwoofer should never call attention to itself by overpowering the music playing from your speaker. Adjust Phase so that your Subwoofer and speaker are playing nicely together.

60 Hz 180





CROSSOVER

Default Crossover setting is 120.

CROSSOVER CONTROL

Crossover is the frequency at which your Subwoofer takes over from your Core speaker to reproduce the deep bass notes. The crossover settings provided below allow you to control your Core Sub's upper-frequency cut-off point.

We have found 120 Hz to be the most reliable crossover point. However, room acoustics and personal listening tastes play a role, so we encourage you to experiment to find the crossover point that best suits your preferences.

-6 dB +6




GAIN

Default GAIN setting is 0.

GAIN (OUTPUT) ADJUSTMENT

Gain allows you to match the output of your Subwoofer to that of your Core speaker. Gain is not the same as volume adjustment.

To begin, using the GAIN “-” key, turn gain all the way down to its lowest setting. Using the GAIN «+» key, gradually, turn gain up until output from the Subwoofer blends naturally with music playing from the speaker.

TROUBLESHOOTING

If you have a problem with your Core Sub, try the Troubleshooting suggestions provided below or review the additional suggestions on the FAQ/ Troubleshooting section of our website (massfidelity.com/support/faqs).

If none of these suggestions solve the problem, please contact Customer Support at support@massfidelity.com or give us a call at **1.800.367.0596**

The Subwoofer Won't Turn On

Make sure the power supply is properly connected to the Subwoofer's input jack and plugged into a wall outlet.

Press the POWER key  to turn Subwoofer ON or to disable Standby mode.

Delayed Pairing Time

Occasionally, pairing may take up to 20 seconds. (Think of it as your computer trying to establish a new wi-fi connection — it's a similar process and not instantaneous). You will hear a sound notification (Beep) **from the Core** while the network establishes connection. Once the connection is established, the beeping stops.

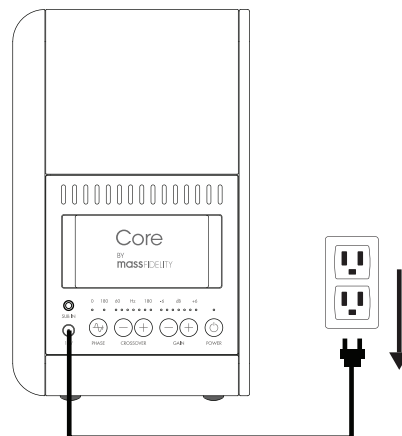
Wireless Connection Lost

The Subwoofer features a built-in sensor that automatically detects when the 3.5-mm cable has been plugged in, even when no electrical signal is flowing through the cable. When the cable is detected, the Subwoofer automatically switches to Wired (Line-in) mode and all wireless functionality is automatically turned OFF.

Check the main LED indicator to ensure the Subwoofer has not switched to Wired (Line-in) mode.

Subwoofer is Unresponsive to User Input

If the Subwoofer is unresponsive to user input (e.g. unable to power off, keys not responding, etc.), simply RESET by pulling the power cord from the wall.



SPECIFICATIONS

| | |
|---------------------------|---|
| Size: | 420 mm x 146 mm x 240 mm; 16.5 in x 5.75 in x 9.5 in |
| Weight: | 6.8 kg; 15 lb (240 oz) |
| Exterior materials: | ABS, Wood, Fabric |
| Amplifier Power: | 60 Watts |
| Frequency Response: | 35 Hz – 180 Hz |
| Drivers: | 1x Active, 5.5 in, 80 W, 8 Ohms; 2x Passive, 5.5 in |
| Processing: | 1x ARM Core running configuration and multi-room software. 2x DSPs for signal conditioning and equalization. |
| Wireless Network: | Adaptive 5-GHz dedicated network |
| Wireless range: | 30 m; 100 ft |
| Power: | AC adapter |
| Compatible Power Systems: | 110 V – 240 V |

**Specifications Subject to change without notice.*

CARING FOR YOUR CORE SUB

Clean the Core Sub using a soft cloth only. Household cleaners and solvents can damage the exterior.

The Core Sub's grill is not removable. Tampering with the grill may damage your subwoofer.

SAFETY INFORMATION

WARNING

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

SERVICE INFORMATION

If you have a problem with your Core Sub, please contact Customer Support at **support@massfidelity.com** or give us a call at **1.800.367.0596**

Core Sub

Wireless Subwoofer for
the Core System

Designed in Canada. Made in China.

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