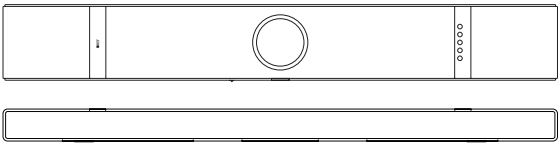
# Wireless Surround System Setup Guide

## XIO
Soundbar



KEF

2026 V01

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# 1. Introduction

Thank you for choosing KEF soundbar – XIO.

This guide walks you through transforming your XIO into a wireless surround system — without complicated wiring.

By connecting compatible KEF speakers and subwoofers via KW2 RX Receivers, audio signals from your XIO are distributed wirelessly to each connected unit, keeping every channel in sync without a single cable crossing your listening area.

Please read this guide carefully before setting up your wireless surround system.

## 1.1 Compatible Products

These KEF speaker systems are compatible as surround speakers:

- LSX II
- LSX II LT
- Coda W

These subwoofers can be used in the wireless surround system:

- KC62
- KF92
- Kube MIE
- KC92
- Kube 8b/10b/12b
- Non-KEF subwoofers: Any subwoofers with an analogue or optical input.

## 1.2 System Requirements

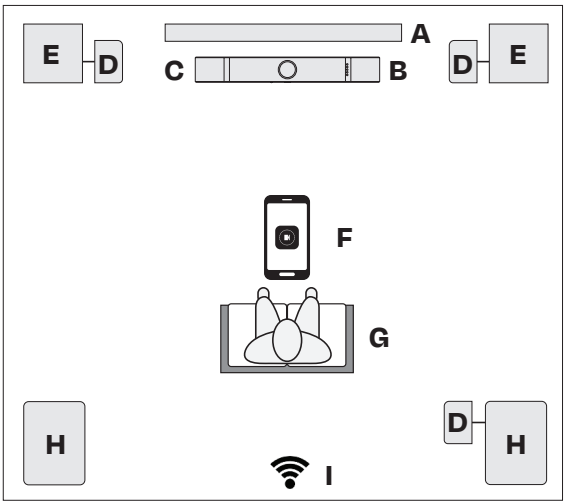
These elements are required to set up the wireless surround system:

- XIO Soundbar
- KEF Connect App (installed on your mobile device)
- KW2 RX Receivers
- Subwoofers
- LSX II, LSX II LT or Coda W speaker systems (as surround speakers)
- Home Wi-Fi network

## 1.3 System Setup Concept

The wireless surround system is created by connecting KW2 RX Receivers to your compatible KEF speakers and subwoofers, then pairing them with your XIO Soundbar over the same home Wi-Fi network. The KEF Connect App on your mobile device handles pairing and sound customisation.

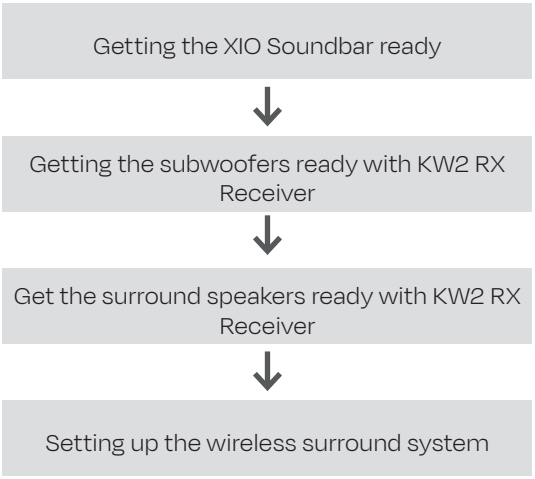
The system can support at maximum two wireless subwoofers and one pair of surround speakers.




| | |
|---|---|
| **A** | TV |
| **B** | XIO Soundbar |
| **C** | XIO transmitter (a component inside the XIO Soundbar) |
| **D** | KW2 RX Receivers |
| **E** | Subwoofers |
| **F** | KEF Connect App |
| **G** | Listening position |
| **H** | Surround speakers |
| **I** | Home Wi-Fi network* |

*Keep the Wi-Fi router away from any wireless devices to avoid interference.

### 1.3.1 Setup Process




- This guide walks you through the entire setup process.
- The initial wireless surround setup may take 30 to 60 minutes to complete.
- During setup, the XIO Soundbar, KW2 RX Receivers, subwoofers, and surround speakers may require firmware updates. As a result, the devices may restart automatically several times. We recommend completing the entire setup process before evaluating audio performance.

# 2. Getting Your XIO Soundbar Ready

## 2.1 Setting up XIO with Home Network

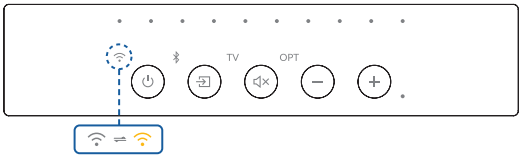
Your XIO Soundbar must first be connected to your home Wi-Fi network before setting up the wireless surround system. To do so, install the KEF Connect App on your mobile device to get XIO "onboarded" to your local network.

1. Download and install "KEF Connect" on your iOS* or Android** device.

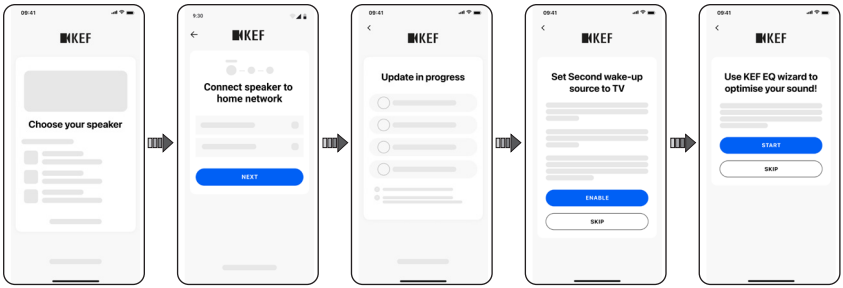



*Requires iOS 14 or above. Refer to App Store for the latest requirements (subject to change).
**Requires Android 10 or above. Refer to Google Play for the latest requirements (subject to change).

2. Check the Wi-Fi icon on the control panel of XIO. It is ready to be onboarded if the Wi-Fi icon blinks amber/white alternately.




3. Launch the KEF Connect App, create a user account and follow the on-screen instructions to set up XIO.




Refer to the user manual of XIO for full "Onboard" details.

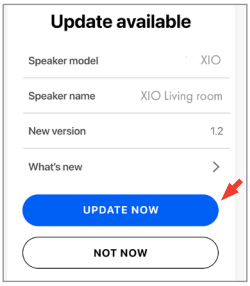
## 2.2 Updating Firmware of XIO

Make sure the firmware of XIO is the latest before setting up the wireless surround system.

1. In the KEF Connect App, tap the Settings icon ( ⚙ ) at the bottom of the Home screen.
2. Tap “Speaker update”.




3. If an update is available, tap “Update now” to proceed with the firmware update.



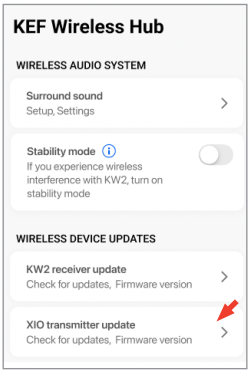

## 2.3 Updating Transmitter Firmware of XIO

Make sure the transmitter firmware of XIO is the latest before setting up the wireless surround system.

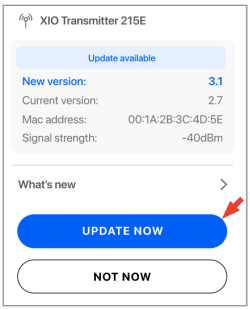
1. In the KEF Connect App, tap the Settings icon ( ⚙ ) at the bottom of the Home screen.
2. Tap “KEF Wireless Hub”.




3. Tap “XIO Transmitter Update” under “Wireless Device Updates”.



4. If an update is available, tap “Update now” to proceed with the transmitter firmware update.



# 3. Getting Subwoofers Ready with KW2

KW2 is a wireless receiver accessory for your XIO Soundbar. It receives wireless signals from the XIO Soundbar and transmits them to any connected subwoofers, letting you place the subwoofer anywhere in the room without a physical cable run.

## 3.1 Compatible Subwoofers

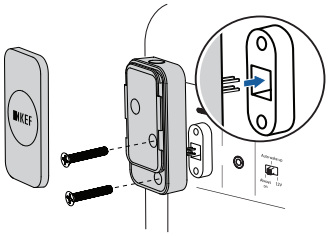
- KEF subwoofers:
  - KC62
  - KF92
  - Kube MIE
  - KC92
  - Kube 8b/10b/12b
- Non-KEF subwoofers: Any subwoofers with an audio or optical input.

## 3.2 Connecting KW2 to Subwoofers

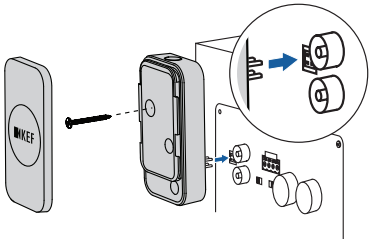
### 3.2.1 KEF Subwoofers

- For KEF subwoofers, plug the proprietary audio output of the KW2 RX Receiver into the subwoofer's expansion port (**E**).

KC62/KF92/Kube MIE/KC92

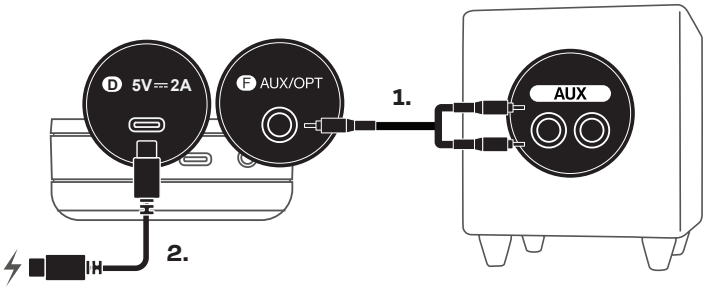


Kube 8b/10b/12b



### 3.2.2 Non-KEF Subwoofers

1. Connect the KW2 RX Receiver and your subwoofer with a 3.5 mm to RCA audio cable.
2. Connect the USB port of the KW2 RX Receiver to an external USB power source.




Refer to the user manual of the KW2 RX Receiver for full connection details.

# 4. Getting Surround Speakers Ready with KW2

Compatible KEF speaker systems can be used as surround speakers for your XIO through the connection with the KW2 RX Receiver.

## 4.1 Compatible KEF Speaker Systems

These KEF speaker systems are compatible as surround speakers:

- LSX II
- LSX II LT
- Coda W

## 4.2 Onboarding and Firmware Update

1. **LSX II and LSX II LT:** Install the KEF Connect App on your mobile device to get the speaker system "onboarded" to your local network.

   **Coda W:** Install the KEF Connect App on your mobile device which is already connected to Coda W via Bluetooth.




2. Make sure the firmware of the speaker system is the latest. To do so, tap the Settings icon ( ⚙ ) at the bottom of the Home screen in the KEF Connect App. Then tap "Speaker update" to check if an update is available. If available, tap "Update now" to proceed with the firmware update.

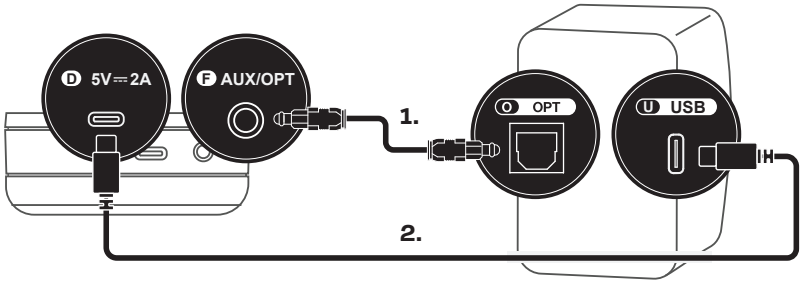



Refer to the user manual of the speaker system for full details on "Onboarding" and "Firmware update".

## 4.3 Connecting KW2 to Speakers

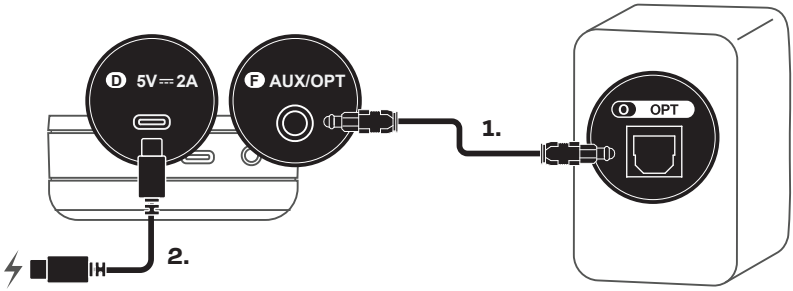
### 4.3.1 LSX II and LSX II LT

1. Connect the AUX/OPT connector of the KW2 RX Receiver and the Optical port (OPT) of the speaker with **an optical cable**.
2. Connect the USB port of the KW2 RX Receiver and the USB port of the speaker with a USB cable.



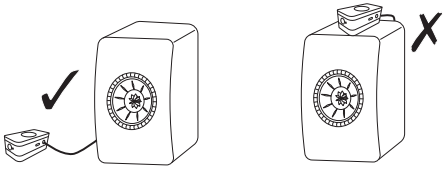

### 4.3.2 Coda W

1. Connect the AUX/OPT connector of the KW2 RX Receiver and the Optical port (OPT) of the speaker with **an optical cable**.
2. Connect the USB port of the KW2 RX Receiver to an external USB power source (5V/2A) for the best experience.




## 4.4 Positioning the KW2 RX Receiver

- To prevent potential signal interference, position the KW2 RX Receiver away from the speaker. Do not place it directly on top of the speaker.



# 5. Setting Up Wireless Surround System

## 5.1 Positioning

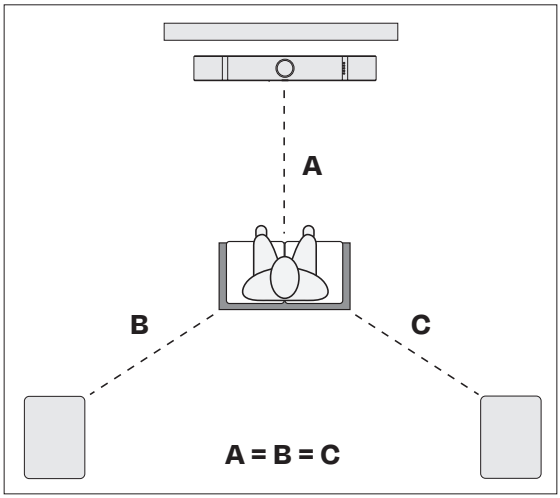
Optimal placement of the audio units is essential for the best possible audio performance and listening experience.

### 5.1.1 Subwoofers

- The placement of subwoofers is more flexible, as bass frequencies are omnidirectional. Experiment with different positions to find the spot where the bass response is the most even and natural.
- Common locations are corners or along a wall. Nevertheless, avoid placing the subwoofers too close to adjacent walls.

### 5.1.2 Surround Speakers

- Position the surround speakers to the sides and slightly behind the listening position, at ideally the same distance from the listening position as the XIO Soundbar.



### 5.1.3 Listening Position

- In practice, achieving the ideal listening position is not always possible. You may use volume matching to compensate for volume imbalances caused by non-ideal speaker placement. The goal is to achieve a similar perceived loudness from both the XIO Soundbar and the surround speakers when listening from your primary listening position.
- If the rear surround speakers are placed too close to the listening position, toe-in (angled slightly inward) may be needed so the audio is directed toward the listener to achieve a similar perceived loudness as your XIO Soundbar.

## 5.2 Wireless Surround Setup in KEF Connect App

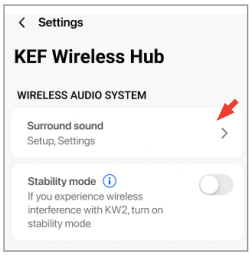
With the KW2 RX Receivers ready, the wireless surround system can be set up via the KEF Connect App on your mobile device.

### 5.2.1 Starting the Setup Wizard

1. In the KEF Connect App, tap the Settings icon ( ⚙ ) at the bottom of the Home screen.
2. Tap "KEF Wireless Hub".



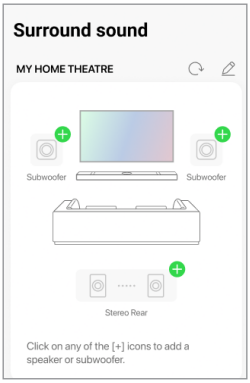

3. Tap "Surround Sound" under "Wireless Audio System".

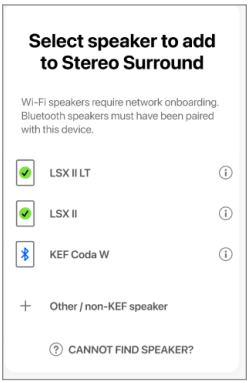


### 5.2.2 Selecting Surround Speakers

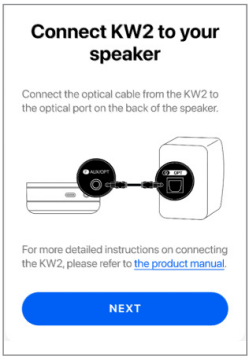
1. Tap the "+" icon next to "Stereo Rear".
2. Tap the name of the speaker system to be used as surround speakers. Then follow the on-screen instructions to complete the process.

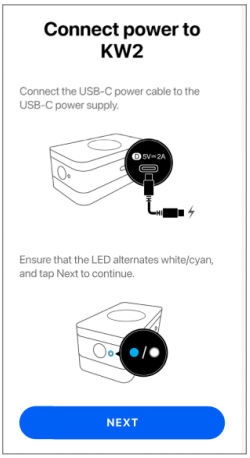
   [Step 1–2]



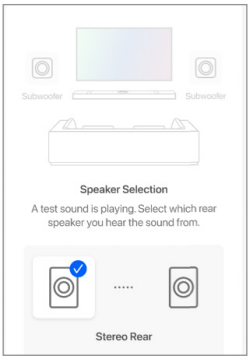

3. Follow the on-screen instructions to set up the KW2 RX Receiver.

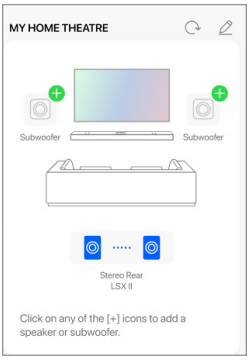


4. When done, a test sound plays through one of your surround speakers. Select the rear speaker from which you hear the test sound. The left and right channels will then be assigned accordingly. Follow the on-screen instructions to complete the channel assignment.

   The surround speakers are ready to use when the speaker icons turn blue.



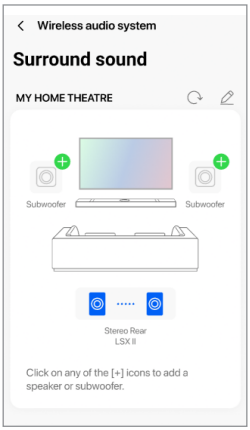




When available, you can tap the refresh icon ( ) to refresh the connection of the KW2 RX Receiver. Or, tap the edit icon ( ) to remove the surround speakers or subwoofers from the system.

### 5.2.3 Selecting Subwoofers

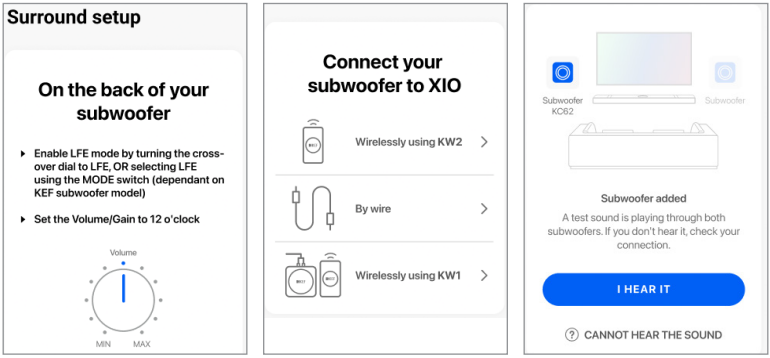
1. Tap the "+" icons next to "Subwoofer".
2. Tap the name of the subwoofer to be used. If you use a non-KEF subwoofer, tap "Other".

   [Step 1–2]






3. Follow the on-screen instructions to complete the process, including enabling LFE mode on the back of the subwoofer and selecting the KW2 RX Receiver as the connection. When done, a test sound plays from the subwoofers. Follow the on-screen instructions to finalise the connection.




When available, you can tap the refresh icon ( ) to refresh the connection of the KW2 RX Receiver. Or, tap the edit icon ( ) to remove the surround speakers or subwoofers from the system.

### 5.2.4 Special Notes on Speaker Systems as Surround Speakers

When the speaker systems are assigned as surround speakers, some speaker behaviours may differ from normal standalone operation.

- The IR control is disabled (Optical mode only).
- The second wake up source is set to the Optical source.
- For Wi-Fi speakers (LSX II, LSX II LT), the standby time is disabled in the Optical mode, and the speaker power on/off is controlled by XIO.
- For Coda W, the standby time is 30 minutes and the speakers wake up through audio signals.
- The EQ configuration is automatically optimized for use with the XIO Soundbar in Surround mode. The standard EQ settings are not available in this mode.

# 6. Wireless Surround Controls and Settings

After completing setup of the wireless surround system, you can make further fine-tuning adjustments to better suit your listening environment.

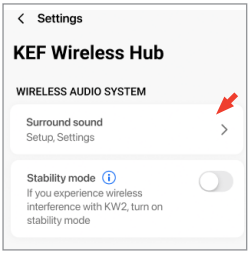
## 6.1 Volume Matching and Control

While the distance from the listening position to the XIO Soundbar and surround speakers should ideally be equal, the volume matching feature helps compensate for any mismatch caused by suboptimal placement.

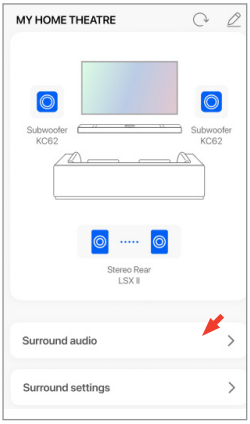
1. In the KEF Connect App, tap the Settings icon ( ⚙ ) at the bottom of the Home screen.
2. Tap “KEF Wireless Hub”.




3. Tap “Surround Sound” under “Wireless Audio System”.




4. Tap “Surround Audio” at the bottom of the screen.



5. Tap the play button on each audio unit to listen to a test sound. Then adjust the volume levels so that you hear similar loudness on both XIO and the surround speakers. This compensates any mismatch caused by suboptimal placement.



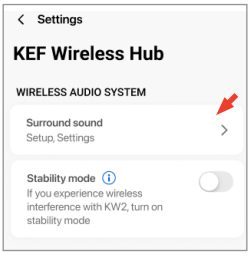

## 6.2 Changing Audio Modes

This feature lets you select the preferred Virtualiser and Channel layout.

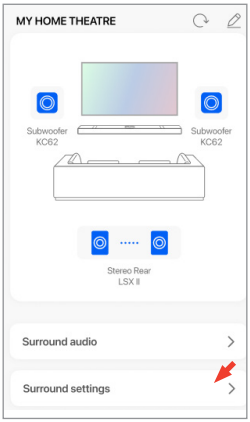
1. In the KEF Connect App, tap the Settings icon ( ⚙ ) at the bottom of the Home screen.
2. Tap “KEF Wireless Hub”.




3. Tap “Surround Sound” under “Wireless Audio System”.

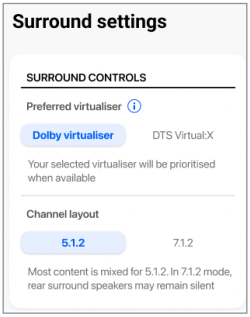


4. Tap “Surround Settings” at the bottom of the screen.




5. Select the preferred virtualiser and channel layout.

   When “5.1.2” channel layout is selected, the surround channels are directed to the rear speakers. “7.1.2” is also selectable but not recommended, as it produces minimal audible effect with typical movie content.



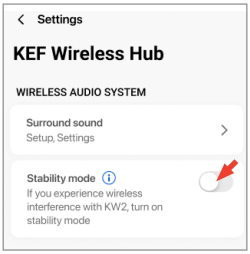
## 6.3 Stability Mode

This feature helps stabilise performance in environments with significant interference, or if you are experiencing connection loss or audio drop-outs. A failed firmware update on the transmitter/receiver may also cause unstable connections.

1. In the KEF Connect App, tap the Settings icon ( ⚙ ) at the bottom of the Home screen.
2. Tap “KEF Wireless Hub”.




3. Activate “Stability Mode” under “Wireless Audio System”.



# 7. Troubleshooting

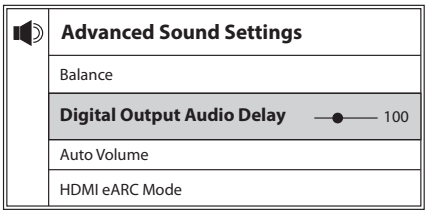
**1. There is latency in audio output (commonly know as the lip-sync issue).**

Possible cause:

- Latency may be caused by audio transmission buffering, RF interference from other wireless devices, or a loss of synchronization with the soundbar.

Suggested action:

- Adjust the audio delay settings of your TV which can usually be found in the advanced sound settings of the TV. This delay can be compensated by decreasing the audio delay.




- Power cycle: turn off both TV and soundbar, unplug for 10 seconds, reconnect starting with the soundbar, then the TV.
- Check for and install the latest firmware on both the soundbar and TV.

**2. There are frequent audio drop-outs.**

Possible cause:

- Frequent drop-outs are usually caused by wireless interference from nearby devices, or the speakers or KW2 RX Receivers being placed too far from the soundbar or blocked by walls or furniture.

Suggested action:

- Turn on the Stability Mode in the KEF Connect App.
- Move the surround speakers closer to the soundbar with a clear line of sight, and keep them away from routers or other wireless devices to reduce interference.

**3. Why can't I update the firmware of KW2 RX Receivers?**

Possible cause:

- Wireless interference from nearby devices is disrupting communication between the XIO Soundbar and the KW2 RX Receivers.
- The KW2 RX Receivers are located too far from the XIO Soundbar.
- Walls, furniture, or other obstacles are blocking the wireless signal between the XIO Soundbar and the KW2 RX Receivers.

Suggested action:

- Ensure there is a clear line of sight between the XIO Soundbar and the KW2 RX Receivers whenever possible.
- If multiple KW2 devices are connected, update them one at a time.
- Remove or turn off nearby wireless devices that may cause interference.
- Refresh the firmware update page and try the update again.

**4. Why can't I update the XIO transmitter firmware?**

Possible cause:

- Wireless interference from nearby devices is disrupting communication during the firmware update process.

Suggested action:

- Move or turn off nearby wireless devices that may cause interference.
- Refresh the firmware update page and try the update again.

**5. Why is there no sound from the surround speakers?**

Possible cause:

- The surround speakers were not assigned to the correct channels.
- The KW2 RX Receiver is operating in the wrong mode.
- The optical cable connection is loose or disconnected.
- The speaker is still using a different audio source.

Suggested action:

- Verify that the surround speaker is set to Optical Mode in the KEF Connect App. The speaker LED should be purple.
- Check that the optical cable is securely connected at both ends.
- Verify that the KW2 RX Receiver is in Surround Mode. The receiver LED should be white.
- If the issue persists, remove the speakers from the setup and make sure the correct speakers and channels are selected.

**6. Why is there no sound from the subwoofer?**

Possible cause:

- LFE Mode is not enabled.
- An incorrect input source is selected on the subwoofer.
- The KW2 RX Receiver is configured as a surround speaker instead of a subwoofer.

Suggested action:

- Verify that LFE Mode is enabled.
- Verify that the KW2 RX Receiver is configured in Subwoofer Mode. The receiver LED should be cyan.
- Run the Subwoofer Test Tone in the KEF Connect App to confirm that audio is being received by the subwoofer.
- If the issue persists, remove the subwoofer from the system and add it again.

**7. Why are my surround speakers not found during setup?**

Possible cause:

- The speaker has not completed the onboarding process.
- The speaker firmware is out of date.
- The speaker and the XIO Soundbar are connected to different networks.

Suggested action:

- Verify that the speaker has completed onboarding and appears as a standalone product in the KEF Connect App.
- Update the speaker firmware to the latest version.
- Ensure that the speaker and the XIO Soundbar are connected to the same home Wi-Fi network.
- Restart the speaker and try the setup process again.

**8. Why I am hearing a high-pitched noise from the surround speakers?**

Possible cause:

- The KW2 RX Receiver is in a wrong subwoofer channel mode. You are hearing the subwoofer wake-up tone.

Suggested action:

- Press the "Pair" button of the KW2 RX Receiver, setting it to the Stereo Surround Mode. The receiver LED should be cyan.

# 8. Frequently Asked Questions

**1. Does the wireless surround system require a Wi-Fi network?**

- Yes, a home Wi-Fi network is required.

**2. What happens if the Wi-Fi network is disconnected?**

- The wireless surround system requires a stable Wi-Fi network. Once disconnected, the operation of the whole system will be interrupted.

**3. What firmware version is required?**

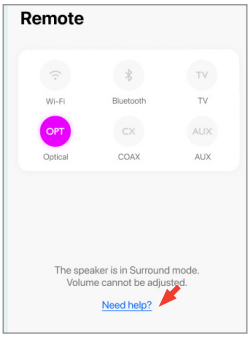
- XIO: 1.5.155 or above
- XIO Transmitter: 2.0.0.0 or above
- KW2 RX Receiver: 2.0.0.0 or above

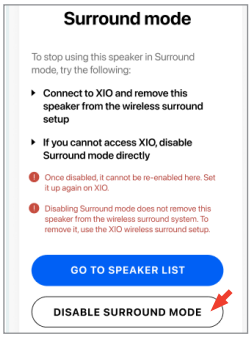
**4. How do I remove the surround speakers from the wireless system?**

- If you are using the KEF Connect App, go to the Surround Sound settings and tap the edit icon ( ) to remove the connected speakers.




- Or, in the KEF Connect App, select the surround speakers and go to the "Remote" screen and tap "Need help?". Then tap "Disable surround mode" to use the speaker system as normal speakers. To use the speaker system as surround speakers again, you will have to remove it on XIO and set it up again.



- Or, perform a factory reset for the whole system, including XIO, the KW2 RX Receiver and the surround speakers.

**5. Can I add non-KEF speakers to the surround system?**

- Yes, non-KEF speakers can be connected via the KW2 RX Receiver. Note that the system control will be limited and the surround effect will not be fully optimised.

**6. How to tell the channel mode of the KW2 RX Receivers?**

- Solid white ○ : Stereo surround mode
- Solid cyan ● : Subwoofer mode

  The KW2 RX Receivers should be connected in the correct mode for proper audio output. To switch between modes, press the “Pair” button once.

**7. Can I use surround speakers without a subwoofer?**

- Yes. Surround speakers and subwoofers can be added and configured independently.

**8. Can I use a subwoofer without surround speakers?**

- Yes. Wireless subwoofers can be used without rear surround speakers.

**9. Why do my rear speakers sometimes produce no sound?**

- Rear speakers reproduce only the surround-channel audio contained in the source content. Some movies, TV programmes, and music contain little or no surround information, causing the rear speakers to remain silent during certain scenes. This is normal behaviour.

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