Beoconnect Core

User Guide

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Get started

INTRODUCTION

Your Beoconnect Core is much more than a streaming box: it will carry your Bang & Olufsen products into the future.

In this guide you will find information about the daily use of your Beoconnect Core and connected products as well as detailed descriptions of the features and functions.

Your Bang & Olufsen retailer is your first stop for all your service queries. To find your nearest retailer here:

stores.bang-olufsen.com/en/search

DOWNLOAD THE BANG & OLUFSEN APP

To set up your Beoconnect Core, download the Bang & Olufsen App from your designated App store.

In the app you can set up your product and get the full Bang & Olufsen experience. Unlock the full product experience of audio personalisation, product support, network connection, automatic software updates and new features at your fingertips.

Note:
· If the app is unable to detect your product, please ensure that Bluetooth and Wi-Fi are enabled on your device.

· Also make sure to allow the Bang & Olufsen app to search for devices on the local network.

· Go to "Settings", select the "Bang & Olufsen" app and enable "Bluetooth" and

· "Local Network" or set the permissions for your device to access nearby devices, depending on operative system.

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REMEMBER WHEN SETTING UP

Before connecting any cables or devices to Beoconnect Core, make sure that everything is switched off and disconnected from the mains.

Use the Bang & Olufsen App to connect your Beoconnect Core to the internet. Once Beoconnect Core is connected, it will search for available software updates.

Automatic software updates can be configured in the Bang & Olufsen App.

Note: The only cable included is a localised power cable.

SOURCES

With the Beoconnect Core you can stream your favourite music by using the following sources:

Bang & Olufsen Radio
Use the Bang & Olufsen App to select stations and set favourites.

Beolink, AirPlay and Chromecast
Streaming from device and multiroom capabilities.

Spotify, Tidal and Deezer Connect
Streaming via cloud and options to set favourites.

Bluetooth 5.3
For streaming audio and connecting a Beoremote One BT or Beoremote Halo.

Wi-Fi
IEEE802.11 b/a/g/n/ac/ax

Line/Optical-in
3.5 mm combo-jack for analogue or digital connection to music players.

Power Link
For connection to most Beolab speakers.

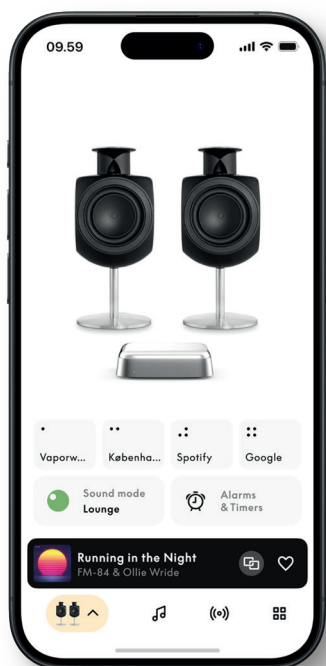**COMM**
For connection to a Beosound Shape.

Ethernet
Cabled connection to you home network.

HDMI eARC
3rd party TVs with ARC/eARC

USB-C
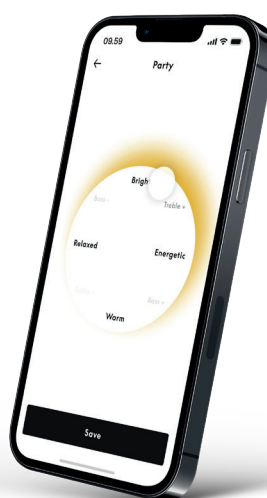For digital audio connection to Beolab 50/90 or to connect audio from a computer.

CUSTOMISE YOUR SOUND IN THE BANG & OLUFSEN APP

Adjust the sound and get the most of your speakers and Beoconnect Core by using the Bang & Olufsen app. With Sound Modes, you can curate the sound to your liking. Beoconnect Core includes the Optimal Sound Mode from the start. But custom Sound Modes can be saved for later from Beosonic and activated from the list.

To delete a saved Sound Mode, tap on it and swipe left to reveal the delete button.
To edit a saved Sound Mode, press and hold on the Sound Mode you wish to edit.

Beosonic
Advanced digital sound algorithms developed by our acoustics team allow you to explore different audio spaces by simply moving the circle around.

Beosound Shape modes
With Beosound Shape you can choose between three different ways of listening. All three sound modes remix the left and right channels to the number of speakers in the actual setup:

– **Band on the Wall:** When using the "Band on the Wall" sound mode, the location of the lead vocal stays in the same position, and the remaining parts of the mix will be distributed around no matter the position of the listener.

– **Social:** When using the "Social" sound mode, the location of the lead vocal stays in front of the listener, and the remaining parts of the mix will be distributed around no matter the position of the listener.

– **Stereo:** When using the "Stereo" sound mode, the location of the lead vocal will appear in the closer outermost speaker like in the traditional stereo setup. As opposed to the traditional stereo setup, the remaining speakers will enhance the sound stage between the speakers. This sound mode is intended to be used when Beosound Shape is part of a multichannel surround setup i.e. as rear speaker.

FAVOURITES

Beoconnect Core supports Favourites through the Bang & Olufsen App or a paired remote control that has Favourite buttons (MyButtons).

On your product page in the Bang & Olufsen App, go to Radio and then Search to pick a station. Tap the More icon to assign it to a favourite.

The buttons are pre-programmed with the most popular radio stations in your area and can be easily customised to your preferences: switch to other stations using Bang & Olufsen Radio or access playlists through Spotify Connect, Deezer Connect, or Tidal Connect.

To save a favourite, begin playing either radio or a playlist on your Beoconnect Core. Then press and hold the Favorite button that you wish to assign the favourite to on the remote control for two seconds. A confirmation sound will indicate that your selection has been saved. In the Bang & Olufsen app, press and hold the Favourite button to save the currently playing radio station or playlist to that button. Once saved, simply access your favourite with a short press of the button.
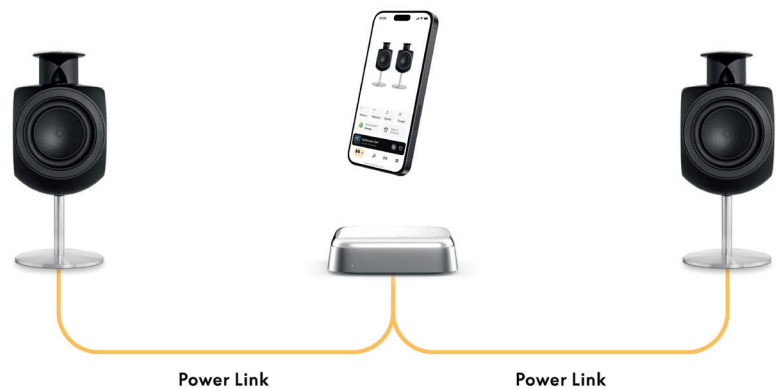
CONNECT TO BEOLAB SPEAKERS VIA POWER LINK

By using stereo Power Link connection, you can transform your Beolab speakers into streaming speakers of today. Beoconnect Core has one Power Link (RJ45) output socket that can connect any two Beolab loudspeakers with a Power Link input. There are two ways to connect via Power Link

- **Daisy-chain:** If your speakers have two Power Link sockets, you can connect from Beoconnect Core to the first speaker and then from the first speaker to second speaker.
- **Splitter:** Connect a Power Link splitter cable to Beoconnect Core, and then connect both speakers to the splitter.

After connecting your speakers via Power Link, connect all devices to the mains and continue setup in the Bang & Olufsen App. Once having connected your Beoconnect Core to your network, you need to configure your connected speakers and make sure that the left and right role are correctly set.
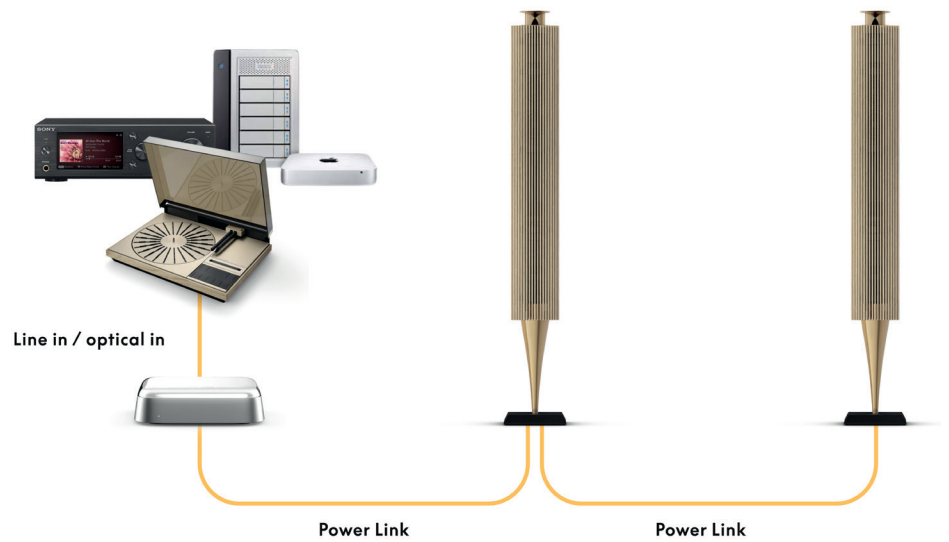
Contact your Bang & Olufsen retailer for the right set of cables for your speakers and preferred setup.

Power Link   Power Link

CONNECT TO EXTERNAL AUDIO SOURCES

The above illustration shows how you can add Beolab speakers to a music source. The 3.5 mm jack on Beoconnect Core can be used to connect any line-level analogue or digital (Optical) audio source so that it will play through the connected speakers. Contact your Bang & Olufsen retailer for the right set of cables to connect your device.

Note: if you wish to connect a turntable, a RIAA preamplifier is required either built into the turntable or externally between it and your Beoconnect Core.

Line in / optical in

Power Link   **Power Link**

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CONNECT TO 3RD PARTY TELEVISION

Beoconnect Core can connect to most non-Bang & Olufsen TVs, allowing sound from your preferred shows to play through connected speakers.

Simply link Beoconnect Core to your TV using an HDMI cable, plugging one end into the HDMI eARC port on Beoconnect Core and the other into the HDMI eARC/ARC port on your TV. Look for the labeled ports on your TV to locate the right one.
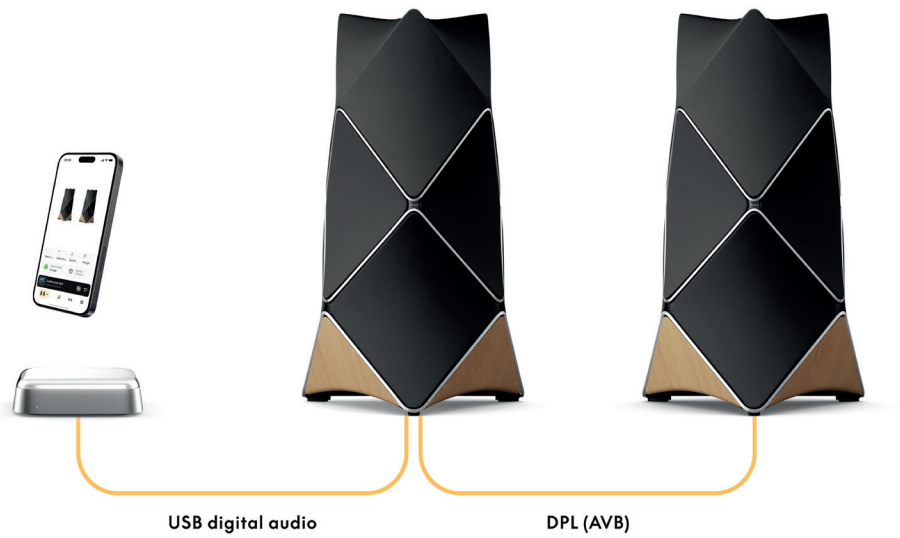
Once connected, Beoconnect Core will synchronize with your TV, switching on and entering standby mode along with it. You can adjust the volume using your TV remote.

Note: You might need to configure your TV to send out stereo sound (PCM) only. Beoconnect Core cannot decode surround sound formats, such as Dolby Atmos, which are the default on some televisions.

Any 3rd-party television

HDMI eARC/ARC

Power Link   Power Link

CONNECT TO BEOLAB 50 OR 90

Beolab 50 and 90 loudspeakers can be connected to the USB-C port to create a fully digital signal chain from the source to the loudspeaker. Use a USB-C to USB-B 2.0 cable between Beoconnect Core and the primary speaker. Connect the primary and secondary speakers together via the DPL (RJ45) sockets. After connecting the speakers via USB, connect all devices to the mains and continue setup in the Bang & Olufsen App. After connecting Beoconnect Core to your network, you will see an option to enable Beolab 50 or 90 in the control screen.

USB digital audio   DPL (AVB)

CONNECT TO BEOSOUND SHAPE

Update your Beosound Shape with the Beoconnect Core for improved sound quality and direct digital connection to the amplifiers.

Note:
A bracket is needed when installing Beoconnect Core in a Beosound Shape setup.

Connect an RJ45 Cat7 cable from the "COMM" socket on Beoconnect Core to the "COMM In" socket on the primary Beosound Shape amplifier.

When replacing the Beosound Core in an existing Beosound Shape setup with the Beoconnect Core, make sure to disconnect Beosound Shape from the mains. Then connect all the cables between the Beoconnect Core and the primary amplifier. Afterwards connect both the amplifier and the Beoconnect Core to the mains. Make sure to switch on the amplifier first and then the Beoconnect Core.
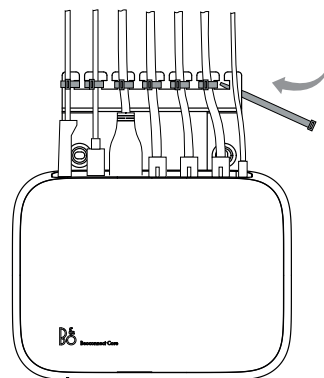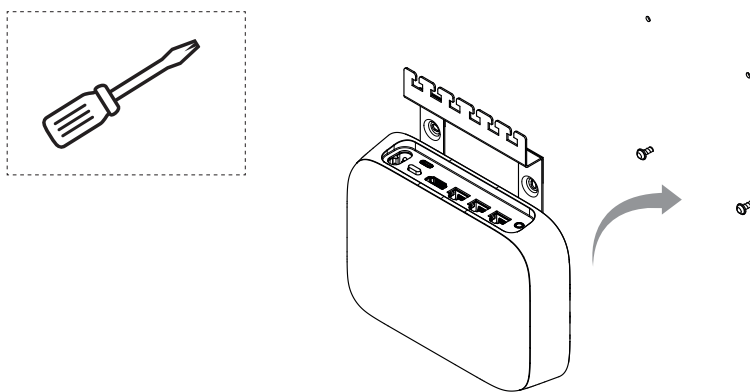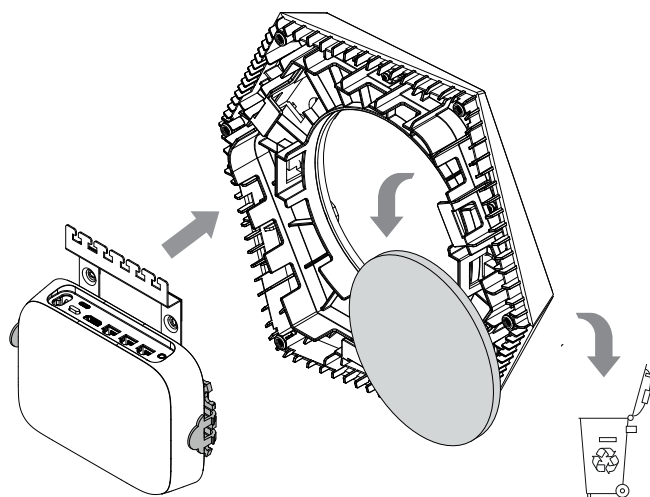
Note:
Once switched on, continue the setup in the Bang & Olufsen App. Make sure to have the Design ID of your unique Beosound Shape design ready, as you need to enter it into the app to finalise the setup.

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WALL AND BEOSOUND SHAPE BRACKET SOLUTIONS

For mounting Beoconnect Core inside a Beosound Shape tile, the Beoconnect Core Bracket is required. The same bracket can be used for wall mounting your Beoconnect Core. For further instructions see the guide included with the Beoconnect Core Bracket.

The Beoconnect Core Bracket is available for purchase from a Bang & Olufsen retailer and www.bang-olufsen.com.

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MULTIROOM

Make the whole house come together. Beoconnect Core can link to other speakers in a multiroom system and let multiple speakers across your home play the same content at the same time. You can enjoy multiroom in several different ways:

Beolink Multiroom
Beolink Multiroom is Bang & Olufsen's own multiroom system. It can distribute almost anything* playing on your Beoconnect Core to other Bang & Olufsen speakers and televisions on the same network.

To listen to what's playing on Beoconnect Core on another speaker, press and hold [play/pause] on that speaker (for two seconds) to join the experience.

To join an ongoing experience on Beoconnect Core, use the Join function on the paired Bang & Olufsen remote control, or use the Bang & Olufsen app to see which products are playing and add more to the ongoing experience.

Note:
To use Beolink Multiroom and AirPlay together, first open the Bang & Olufsen app and go to Product settings -> Beolink Multiroom -> Enable AirPlay.

Note:
Beolink Multiroom cannot be used together with Chromecast built-in as all multiroom experiences must be configured using Google's own features, such as speaker groups.

Apple AirPlay
To create a multiroom experience with AirPlay, select multiple speakers from the sound output menu on your Apple device. Beoconnect Core can also play together with speakers from other brands that support AirPlay.

Chromecast built-in
You can use the Google Home app on your smartphone to create speaker groups and then cast content to these speakers via Chromecast.
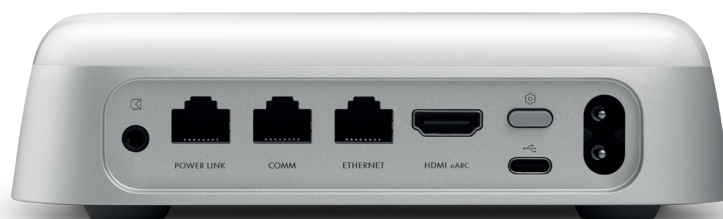
Nice to know

You can connect your Beoconnect Core to a new wireless network or reset the connection by pressing and holding the Setup button on the back of Beoconnect Core for 2 seconds. You will hear a sound prompt, and the status indicator will start flashing amber.

In the product settings of the Bang & Olufsen app, select Re-Setup to connect the speaker to Wi-Fi.

To cancel Wi-Fi setup and connect back to the previous network, press and hold the button again.

FACTORY RESET

You can restore factory settings by pressing and holding the setup button on the back of your Beoconnect Core for 8 seconds.

Your Beoconnect Core will begin the reset process and after approximately one minute, your Beoconnect Core will be ready for first-time setup again.
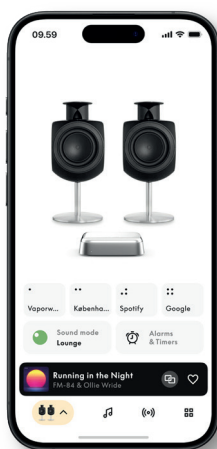
DAILY USE

Use your mobile device to control Beoconnect Core through the Bang & Olufsen App, or connect a Bang & Olufsen remote control for your preferred content sources or services.

Bluetooth
To pair a new device, press the Setup button shortly. When the light starts pulsing blue, go to the Bluetooth settings on your device and select your Beoconnect Core. Once connected you are ready to play.

If your device has already been paired, you can reconnect it from the Bluetooth settings on your device without going through pairing again.

LIGHT INDICATOR

The light indicator is located in the front of Beoconnect Core, and shows the status of the product:

INDICATION	STATUS
White	
Solid	Connected to network, ready for use
Flashing	Starting up
Pulsing slowly	Playback paused
Blue	
Solid (5 sec)	Connected / Bluetooth paired
Pulsing	Open for Bluetooth pairing
Red	
Solid	Static error*
Flashing	Transient error, e.g. overheating
Amber	
Solid	No network connection, connection lost
Flashing	Ready for network setup
Pulsing	Connecting to network
Green	
Pulsing	Software update in progress - wait until the light turns solid white again

*Please contact Customer Care for assistance.
This is also possible from the Support section in the Bang & Olufsen App.

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