beyerdynamic SPACE MAX Wireless Bluetooth Speakerphone User Manual

Contents

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beyerdynamic SPACE Speakerphone

You can find detailed operating instructions in your language together with further information at
https://www.beyerdynamic.com/spacemax.html#product-downloads

Trademarks

- Windows is a registered trademark or trademark of Microsoft Corporation in the United States and other countries.
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- USB Type-A, Type-B and Type-C are trademarks of USB Implementers.
- Thank you for placing your trust in us and purchasing the beyerdynamic SPACE MAX Speakerphone.

SAFETY INSTRUCTIONS

- Please read these instructions carefully and completely before using the product.

- Please observe all instructions given, especially those concerning the safe use of the product.
- Do not use the product if it is defective.

Intended use

- Only use the product as described in this product manual. beyerdynamic accepts no liability for damage to the product or injury to persons caused by careless, improper or incorrect use of the product, or by use for purposes not specified by the manufacturer.
- beyerdynamic is not liable for damage to USB devices that do not comply with the USB specifications. beyerdynamic is not liable for damage resulting from connection interruptions due to batteries being empty or too old, or due to exceeding the Bluetooth® transmission range.
- Please also observe the relevant country-specific regulations before using the product.

Risk of swallowing

- The company beyerdynamic GmbH & Co. KG accepts no liability for damage to the product or injury to persons caused by careless, improper or incorrect use of the product, or by use for purposes not specified by the manufacturer.
- Keep small parts, such as product, packaging and accessories, away from children and pets. They constitute a choking hazard if swallowed.

Power and connecting cable

- Use only the cable we supply to connect the unit for both charging and connecting to a laptop.

Using the batteries

- Danger from heat, water and mechanical stress
- Excessive heat, water and mechanical stress may cause explosion, heat, fire, smoke or fumes. Injuries and irreversible damage to the battery may result.
- Do not expose the battery (battery pack or integrated battery) to excessive heat, direct sunlight or fire.
- Do not open the housing or disassemble the battery.
- Do not use the battery if there is a risk it has come into contact with water.

Storing the battery

- If the battery is not going to be used for an extended period, set the charge level to approximately 50 % of the maximum capacity and store it at temperatures up to max. 30 °C.

Environmental conditions

- Do not expose the product to rain, snow, liquids or moisture.

ABOUT THIS MANUAL

- This manual describes the product's most important functions.
- The information in this manual refers to the software's default settings. A newer version may be available.
- You can find information about software updates under "Software update" on page 11.

CONTENTS OF DELIVERY

- beyerdynamic SPACE MAX Speakerphone
- USB-C to USB-C cable
- USB-C to USB-A adapter
- Drawstring bag for storage
- Quick Start Guide

PRODUCT OVERVIEW
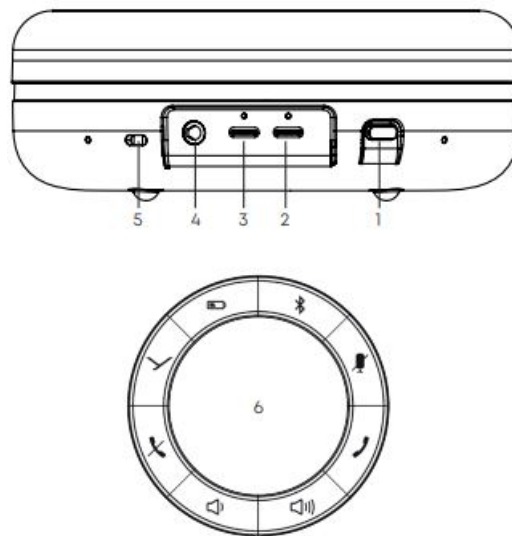
1. On/off button
2. Secondary USB-C port with status LED display for charging external devices (power bank function)
3. Primary USB-C port with status LED display for:
    - connecting to PC or laptop
    - charging the speaker phone
4. Jack socket, 3.5 mm, for conference cascade connection
5. Kensington lock
6. Illuminated control ring with operating and display elements:

- Multifunction button
- Mute button (red LED display)
- Increase volume (white LED display)
- Decrease volume (white LED display)
- Hang up (red LED display)
- Pick up (green LED display)
- Battery status segmented (green/yellow/red LED display)
- Bluetooth® (blue LED display)

FIRST STEPS

Removing from packaging and storing

- When not in use and for transport, store the product and accessories in the drawstring bag supplied.
- This provides the best protection and prevents damage.

Charging the battery

We recommend you use only the supplied USB cable to charge the battery.

1. Connect the product with the cable supplied to any standard-compliant live USB-C socket (e.g. USB power supply). If necessary, use a USB adapter (see "Technical Specifi-cations" on page 18).
2. Remove the USB cable after charging.

Remarks on the life of Li-ion batteries

- When fully charged, disconnect the USB cable from the charger and the product.
- **CAUTION!** High temperatures, especially with a high charge level, can cause irreversible damage.
- If the battery is not used or is stored for extended periods of time, it is recommended to charge it to approx. 50 % and store it at no more than 20 °C.
- Switch off the battery-powered product after use.

Displaying the battery charge level

- Briefly press the ▭ button once.
- The charge level is displayed via the LED ring.

Using the product with a USB cable connection

- You can operate beyerdynamic SPACE MAX with a PC or laptop via a USB cable connec-tion.

1. Switch on the laptop/PC.
2. Use the enclosed USB cable to connect the product to the desired computer via the USB port.
    - If necessary, use a USB adapter (USB-C to USB-A, see "Contents of delivery" at the computer end.
3. If the product has not switched on automatically, switch it on with the on/off switch.

LED display of charge level:

Red*:	Battery 0–25 % full	
Yellow:	Battery 25–62.5 % full	
Green:	Battery 62.5–100 % full	

When the charge level is close to zero, the LED flashes

Using the product with Bluetooth® connection

You can operate the product via Bluetooth® with a smartphone or PC. For this, the Bluetooth® function must be active and the product must be paired with the output device. You can find instructions on how to operate the product under "Operation" on page 11.

SOFTWARE UPDATE

- Firmware updates are carried out via USB-HID using the beyerdynamic
- Update Hub: **https://byr.li/firmwareupdate**
- The unit has a firmware update function (DFU) via USB connection to a PC (Windows and Mac OS).
- During the update process, the LED ring flashes magenta.

OPERATION

- **Switching on and off**

Switching on:

- Press on/off button for 1 to 3 s.

Switching off:

- Press on/off button again for 1 to 3 s.

Connecting to a device via Bluetooth® (pairing)

- Before you can use the product, you must pair it with your mobile phone or another Bluetooth®-enabled device. The pairing procedure may differ depending on the device.
- Please refer to the relevant operating instructions of the device you wish to pair the product with.

Establishing a connection:

- The product is switched on.

1. Press and hold the ✳ button for 1 to 3 s.
    - The Bluetooth® connection mode will start.
    - The LED display flashes alternately blue and red.
2. Activate the Bluetooth® function on the playback device and search for new devices if necessary.
3. In the Bluetooth® menu of the playback device, select "SPACE MAX" from the available devices and connect both devices.
    - After a successful connection, the LED is a steady blue. Each time the unit is switched on again, the units will connect as soon as they are within range of each other.

Deleting the list of already connected devices:

- Press the ✳ button for longer than 10 s.
- The list of already connected Bluetooth® devices (maximum 8) is deleted and a connection to the active Bluetooth® device is established.
- A double signal tone confirms the success

Connection displays

LED display of the connection status:

Bluetooth®: Pairing/recognition possible		Flashes blue and red alternately
Bluetooth®: Connected		Steady blue
Bluetooth®: Connectable / connection lost		Flashes blue
Connected to USB		Entire LED ring is white

Conference cascade connection

- The connection is intended for connecting two beyerdynamic SPACE MAX devices in conference cascade mode. For this, two speaker phones are connected via the jack socket with a beyerdynamic cascading cable (to be ordered). Pairing with the output device is done via one of the two speakerphones connected with the

cable.

Multi-point operation

- The product can be paired to multiple Bluetooth®-enabled devices.
- In normal mode, up to 8 devices can be paired.
- In business mode, only 1 device can be paired.
- Active connections are possible with up to two devices at a time. However, playback of music and phone operation is only possible with one device at a time. Phone operation has priority over playback of music; i.e. playback of music is interrupted during phone calls.

Priority list when using the playback devices (PD):

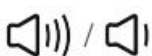| Prio.	Profile	Playback devices (PD)
1	HFP (phone operation)	PD 1 (device used first)
2	HFP (phone operation)	PD 2 (device used second)
3	A2DP (playback of music)	PD 1 (device used first)
4	A2DP (playback of music)	PD 2 (device used second)

Setting up multi-point:

1. Connect the product to the first unit (see "Connecting to a device via Bluetooth® (pairing)" on page 12).
2. Deactivate the Bluetooth® connection on the first device.
3. Connect the product to the second unit (see "Connecting to a device via Bluetooth® (pairing)" on page 12).
4. Re-activate the Bluetooth® connection to the first device that automatically connects to the product.
5. Once both devices are paired with the product, the product automatically connects with both devices each time it is powered up.
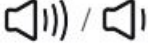
Using multi-point:

- You have connected the product to two devices and have just activated media playback.
- Briefly press the ✎ button once to accept an incoming call.
- You have connected the product to two devices and and have just hung up a call.
- Briefly press the ⌄ button once to start the media playback that was last played.

Adjusting the volume

Increasing/decreasing the volume:

- **In stages:** briefly press the ◁))) / ◁ı button.

- **Continuously:** hold down the ⊲)) / ⊲ button.
- A signal tone sounds when the maximum/minimum volume is reached.

LED display for volume setting:

- White: zero*–full volume

- At a volume close to zero, all LEDs except one (lit 50%) are off.
- At full volume, all LEDs are on (ring illuminated white). Setting the mute function

Switching mute on/off:

- Briefly press the 🎙 button.
- Icon is a steady red when mute.

- Briefly press the 🎙 button again.
- Mute is canceled.

Playing media

- The functions described depend on the playback device and playback device software and may not be available.

Starting/pausing playback:

- Briefly press the ⋎ button once.

Playing the next/previous track:

- Briefly press the ⋎ button twice / three times

Calling up the personal assistant

- Calling up the personal assistant on your smartphone or tablet:
- Press the ⋎ button for 1 to 3 s.

Controlling calls

Accepting a call:

- Briefly press ![call] the button.

Ending a call:

- Briefly press the ![end] button.

Rejecting a call:

- Briefly press the ![reject] button.

Switching a call or accepting a second call:

- Briefly press the ![switch] button.

LED display for calls:

Incoming call	![call] flashes green ![end] flashes red	![dial]
Call in progress	![call] steady green ![end] steady red	![dial]
Call on hold	![call] flashes green ![end] steady red	![dial]
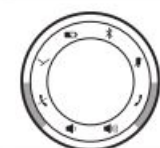
Settings for best sound

To achieve the best possible Bluetooth® sound with your product, please observe the following practical tips:

1. Set the volume to minimum on the product and to maximum on the playback device.
2. Then adjust the volume only on the product, not on the playback device. This applies only to playback devices that do not automatically synchronise the volume. On playback devices that automatically synchronise the volume (e.g. iPhone, iPad and various
3. Android smartphones), the volume on the product is always identical to the volume of the playback device.
4. Deactivate any audio effects that may be present in the software of the playback device.

Overview of operating functions

Function		Operation
To switch on and off		▶ Press the **on/off** button for 1 to 3 sec.
To start/stop playback	⌄	▶ Press briefly
Next track	⌄	▶ Briefly press twice
Previous track	⌄	▶ Briefly press three times
To call up the personal assistant	⌄	▶ Press for 1 to 3 sec
To mute/unmute	🎤	▶ Press briefly
To increase volume	🔊	▶ Tap to increase in stages
		▶ Hold to increase continuously
To decrease volume	🔉	▶ Tap to decrease in stages
		▶ Hold to decrease continuously
To end a call	☏	▶ Press briefly
To reject a call	☏	▶ Press briefly
To answer a call	✆	▶ Press briefly
To switch calls	✆	▶ Briefly press twice
To display the battery status	🔋	▶ Press briefly
Activate/deactivate Bluetooth®	✳	▶ twice, holding it down the second time
To pair	✳	▶ Press for 1 to 3 sec
To delete pairing and pairing list	✳	▶ Press and hold for at least 10 sec
To switch on Sound-Activated Lighting Mode	⌄ + 🔊	▶ Press simultaneously for 1 to 3 sec
To to switch off on Sound-Activated Lighting Mode	⌄ + 🔉	▶ Press simultaneously for 1 to 3 sec
To switch on Business Mode	✆ + ✳	▶ Press simultaneously for 1 to 3 sec
To switch off Business Mode	☏ + ✳	▶ Press simultaneously for 1 to 3 sec
To activate/deactivate Stealth Mode	🔋 + 🎤	▶ Press simultaneously for 1 to 3 sec

Function		Operation
To switch on voice messages	🎤 + 🔊	▶ Press simultaneously for 1 to 3 sec
To switch off voice messages	🎤 + 🔉	▶ Press simultaneously for 1 to 3 sec
To reset to factory settings	✳ + 🎤	▶ Press simultaneously for 3 to 5 sec
To activate/deactivate cascading[1)	⌄ + ✳	▶ Press simultaneously for 1 to 3 sec

[1) Can only be used if the second device is detected within 5 m range and indicated by the Bluetooth®-LEDs.

DISPOSAL

- This symbol on the product, in the operating instructions or on the pack-aging means that the electrical and electronic devices must be disposed of separately from household waste at the end of their life cycle.
- Always dispose of used devices in accordance with the regulations in force.
- For further information, please contact your local authority or the dealer from whom the product was purchased.

Battery disposal

- Both disposable and rechargeable batteries must be disposed of separately from the product after use in accordance with the regulations in force. They must not be disposed of in household waste.
- Both disposable and rechargeable batteries must be discharged and removed before disposal.
- **IMPORTANT:** Non-destructive removal of either disposable or rechargeable batteries by the end user is not possible with this product. Please contact beyerdynamic or consult independent specialists.

EU DECLARATION OF CONFORMITY is

- beyerdynamic hereby declares that this radio transmission device is in compliance with the EU Directive 2014/53/EU.
- The full text of the EU Declaration of conformity can be found on the Internet at: **www.beyerdynamic.com/cod**

TECHNICAL SPECIFICATIONS

Bluetooth® frequency range	2.400 to 2.4835 GHz
Transmitting power	up to 4 dBm
Maximum loudspeaker output	10 W (mid-bass) + 5 W (tweeter)
Sound pressure level	SPLmax=89 dB@1 kHz
Microphone type	4 x MEMS
Microphone frequency range	100 Hz–10 kHz
Loudspeaker frequency range	80 Hz–15 KHz (-10 dB)
Supported profiles	HFP, A2DP
Connection	Bluetooth® and USB-C
Bluetooth® version	5.0
Battery technology	Lithium ion
Battery life	Typ. 25.5 hours with communication
Charging connection	USB-C
Time of charge	2 hours 5 minutes
Power bank output (secondary USB-C port)	up to 3 A at 5 V
Firmware update possible	Yes
Length x width x height (mm)	149.5 x 149.5 x 52.5
Weight	680 g

You can find more detailed information about the technical data online at:
www.beyerdynamic.com/SPACEMAX.html

WARRANTY CONDITIONS

- beyerdynamic provides a limited warranty for the original beyerdynamic product you have purchased.
- You can find detailed information about beyerdynamic's warranty conditions on the Internet at:
  www.beyerdynamic.de/service/garantie

FCC

IC REGULATION

FCC ID: OSDSPACEMAX
Canada IC: 3628C-SPACEMAX
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTICE:
This device complies with Part 15 of the FCC Rules [and with Industry Canada license-exempt RSS standard(s)]. Operation is subject to the following two conditions: this device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.
NOTICE:
Changes or modifications made to this equipment not expressly approved by beyerdynamic GmbH & Co. KG may void the FCC authorization to operate this equipment.
NOTICE:
This Class B digital apparatus complies with Canadian ICES-003.
Radiofrequency radiation exposure information:
For body-worn operation, this radio frequency device has been tested and meets the FCC RF exposure guidelines when used within a minimum distance to the human body.
CONSUMER ALERT
Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device.
Purchasers should also be aware that FCC is currently evaluating the use of wireless microphone systems, and these rules are subject to change.
For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC´s wireless microphone website at **www.fcc.gov/cgb/wirelessmicrophones**.
This device operates on a no-protection, no-interference basis. Should the user seek to obtain protection from other radio services operating in the same TV bands, a radio licence is required. For further details, consult Innovation, Science and Economic Development Canada's document Client Procedures Circular CPC-2-1-28, Voluntary Licensing of Licence-Exempt Low-Power Radio Apparatus in the TV Bands.
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- **EN-DE-JA-ZH 2 | QSG beyerdynamic SPACE MAX | (05.23)**

Documents / Resources

beyerdynamic SPACE MAX SPEAKERPHONE	[**beyerdynamic SPACE MAX Wireless Bluetooth Speakerphone**](#) [pdf] User Manual M 70 PRO X, M 90 PRO X, SPACE MAX, Wireless Bluetooth Speakerphone, SPACE MAX Wireless Bluetooth Speakerphone, Bluetooth Speakerphone, Speakerphone

References

- [**Headphones & Microphones |beyerdynamic**](#)
- [**Downloads**](#)
- [**SPACE MAX: Wireless Bluetooth® Speakerphone | beyerdynamic**](#)
- [**SPACE MAX: Wireless Bluetooth® Speakerphone | beyerdynamic**](#)
- [**Garantie**](#)
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