

# MB Pro 1 MB Pro 2

Professional Bluetooth solutions



Instruction manual

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## Important safety information

- ▶ Please read this instruction manual carefully and completely before using the product.
- ▶ Always include this instruction manual when passing the product on to third parties.
- ▶ Do not use an obviously defective product.

### Preventing damage to health and accidents

- ▶ Do not listen at high volume levels for long periods of time to prevent hearing damage.
- ▶ Always maintain a distance of at least 3.94" (10 cm) between the ear cups and the cardiac pacemaker or implanted defibrillator since the product generates permanent magnetic fields.
- ▶ Keep the product, accessories and packaging parts out of reach of children and pets to prevent accidents and choking hazards.
- ▶ Do not use the product in situations which require special attention.

### Preventing damage to the product and malfunctions

- ▶ Always keep the product dry and do not expose it to extreme temperatures (hairdryer, heater, extended exposure to sunlight, etc.) to avoid corrosion or deformation.
- ▶ Only use attachments/accessories supplied or recommended by Sennheiser.
- ▶ Only clean the product with a soft, dry cloth.
- ▶ Only use the product in environments where wireless Bluetooth® transmission is permitted.

### Intended use/Liability

The headsets are accessories for mobile phones, soft-phones and any other Bluetooth compliant device with a "hands free profile" (HFP), a "headset profile" (HSP) or an "advanced audio distribution profile" (A2DP). They are intended for wireless communication via Bluetooth connection.

It is considered improper use when this product is used for any application not named in this instruction manual.

Sennheiser does not accept liability for damage arising from abuse or misuse of this product and its attachments/accessories. The risk is to be borne by the user.

Sennheiser is not liable for damages to USB devices that are not consistent with the USB specifications.

Sennheiser is not liable for damages resulting from the loss of connection due to flat or overaged rechargeable batteries or exceeding the Bluetooth transmission range.

### Safety instructions for rechargeable batteries

#### WARNING

In extreme cases, abuse or misuse of standard/rechargeable batteries can lead to:

- explosion,
- fire development,
- heat generation or
- smoke or gas development.

	Switch rechargeable battery-powered products off after use.
	Only charge rechargeable batteries at ambient temperatures between 10°C/50°F and 40°C/104°F.
	When not using rechargeable batteries for extended periods of time, charge them regularly (about every 3 months).
	Do not heat above 70°C/158°F, e.g. do not expose to sunlight or throw into a fire.
	Dispose of defective products with built-in rechargeable batteries at special collection points or return them to your specialist dealer.
	Only use rechargeable batteries recommended by Sennheiser and the appropriate chargers.

# Introduction

The comfortable new MB Pro 1 and Pro 2 **Bluetooth** headsets are the wireless solution for phone calls with mobile phones and softphones with superb sound quality. The ultra noise cancelling microphone integrated into the headset filters away background noise, thus providing ultimate speech intelligibility.

## Bluetooth



The headset complies with the **Bluetooth** 4.0 standard and is compatible with all **Bluetooth** 1.1, 1.2, 2.0, 2.1, 3.0 and 4.0 devices with a "hands free profile" (HFP), a "headset profile" (HSP) or an "advanced audio distribution profile" (A2DP). The headset provides wireless freedom to give hands-free convenience with your mobile phone.

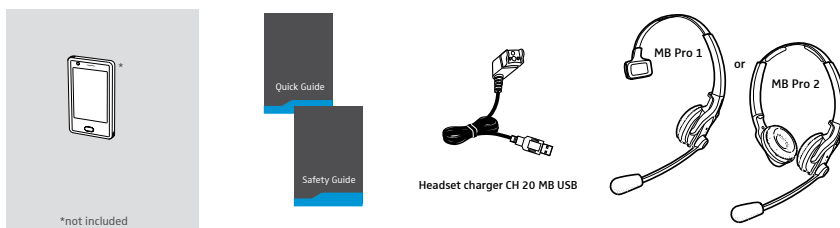
## Additional features of the Bluetooth headsets

- Room experience – for a more realistic sound and increased call comfort (MB Pro 2 only)
- Sennheiser voice clarity – for a natural speech and listening experience
- Ultra noise-canceling microphone – for perfect speech transmission
- Large leatherette ear pads – for exceptional wearing comfort and powerful sound
- Echo-free conversations – digital echo cancellation eliminates all echoes while you are talking
- HD quality sound – crystal-clear, detailed and transparent sound reproduction due to large wideband speaker and extended frequency response
- Sound-enhancement profile – for multimedia and music listening purpose
- Multi connectivity – to seamlessly manage calls between mobile devices from a single headset for maximum call-handling flexibility
- Long talk time – talk to business partners and friends for up to 15 hours, with up to 19 days of standby time
- Voice prompts for status – the user is always updated
- Headset battery level indicator displayed on Apple iPhone® screen

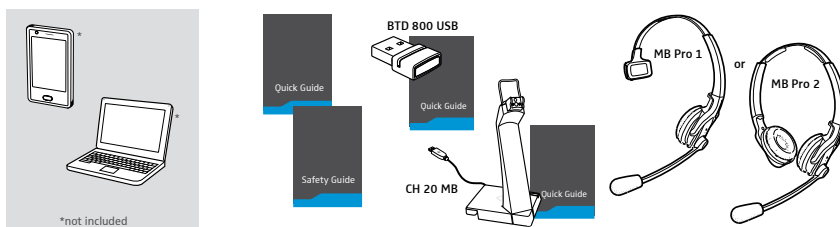
# Package contents

The products of the MB Pro 1 and MB Pro 2 series are available for different areas of application. The products marked with ML in their name are optimized for Microsoft® Lync™.

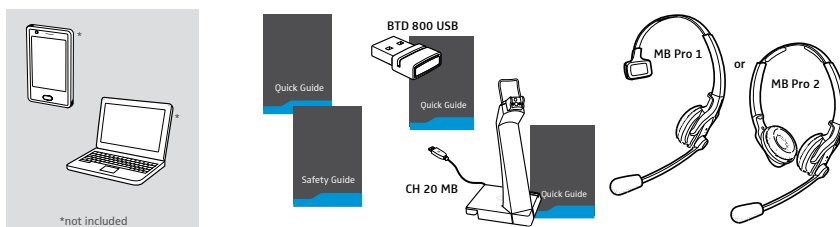
## Package contents MB Pro 1/MB Pro 2




## Package contents MB Pro 1 UC/MB Pro 2 UC



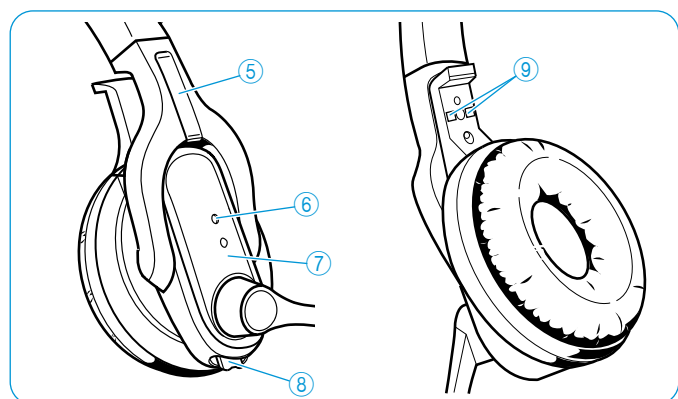
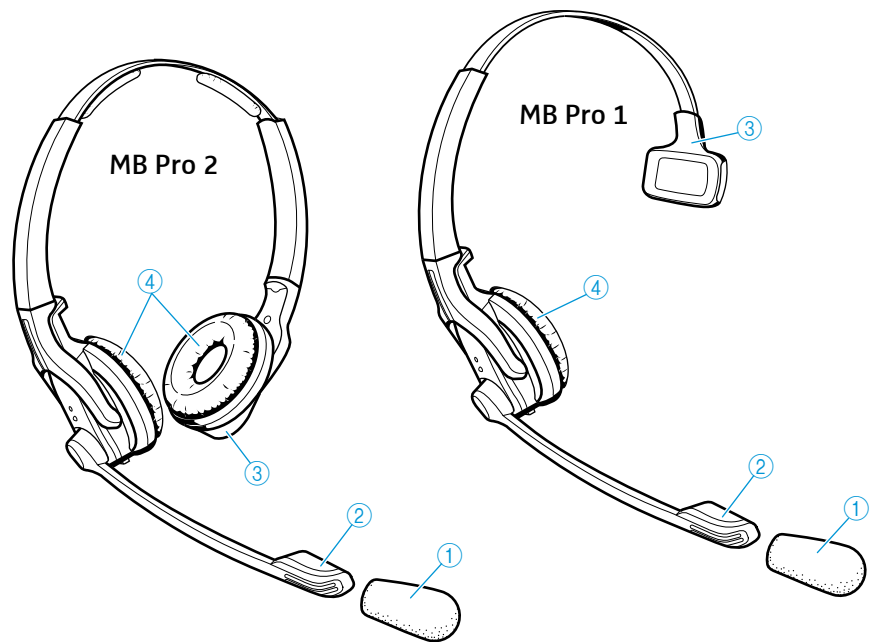
## Package contents MB Pro 1 UC ML/MB Pro 2 UC ML



 A list of accessories can be found on the product page of the headsets at [www.sennheiser.com/cc0](http://www.sennheiser.com/cc0). For information on suppliers, contact your local Sennheiser partner: [www.sennheiser.com/cc0](http://www.sennheiser.com/cc0) > "Where to Buy".

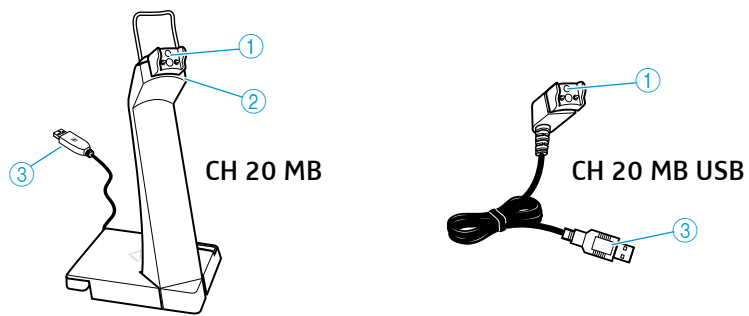
# Product overview

## Overview of headsets



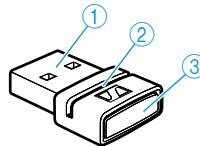
- ① Windshield
- ② Microphone
- ③ Battery compartment
- ④ Ear pad
- ⑤ Name plate
- ⑥ Headset LED
- ⑦ Multi-function button
- ⑧ Audio button
- ⑨ Charging contacts

## Overview of the headset chargers



- ① Magnetic holder with charging contacts
- ② Headset stand/ USB cable holder
- ③ USB plug

## Overview of the BTD 800 USB dongle



- ① USB plug
- ② Link LED
- ③ Link button

## Overview of pictograms

### Meaning of the pictograms for pressing a button

Pictogram	Meaning
	Briefly press this button.
	Double-press this button.
	Keep this button pressed for 5 seconds.

### Meaning of the pictograms for the flashing of the LED







Pictogram	Meaning
	The LED flashes.
	The LED flashes once every 3 seconds.
	The LED flashes 3 times per second.

### The pictogram “i”

Notes marked with the pictogram “i” provide important information on the use of the product.


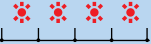
## Overview of the LED indications

### Meaning during operation







LED	Meaning
	Headset switches on
	Headset switches off
	Headset/USB dongle is in pairing mode
	Pairing was successful
	Pairing has failed or has been cancelled
	Connectable state, not connected

Once the headset is successfully connected, the LED goes off.

### Meaning during calls

LED on the headset	Meaning
	Incoming call
	Incoming call + rechargeable battery is weak

### Meaning during charging

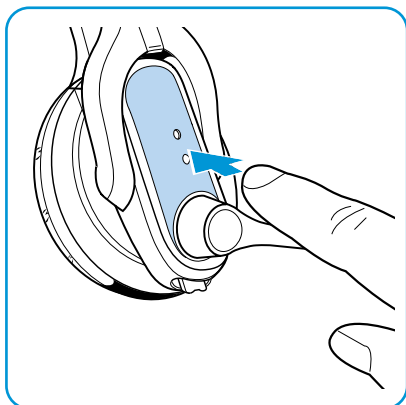
LED	corresponds to a talk time of ...
1x 	less than 1 hour
1x 	between 1 and 2 hours
2x 	between 2 and 4 hours
3x 	between 4 and 10 hours
4x 	above 10 hours
	up to 15 hours; battery is fully charged






After 30 seconds, the LED goes off. Press the multi-function button to check the battery charge level. When the battery is fully charged, the LED lights up blue constantly.

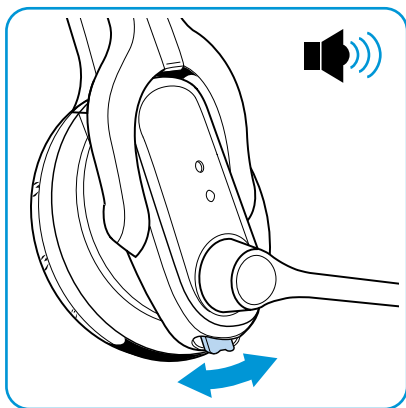


## Overview of buttons


### Multi-function button

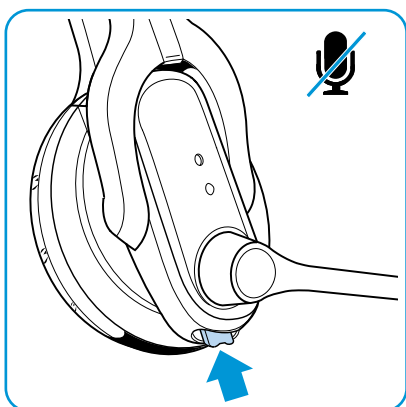


Press the button	Function	Page
	Accepts/ends a call	17
	Accepts an incoming call and ends the active call (managing two calls)	19
	Cancels redialing	18
	Ends the active call and makes the call on hold active (managing two calls)	19
	Retrieves information on the remaining talk time	15
	Transfers a call from the mobile phone to the headset	18
	Activates/cancels voice dialing	17
	Rejects a call	18
	Rejects the incoming call and continues the active call (managing two calls)	19
	Transfers a call from the headset to the mobile phone	18
	Switches the headset on/off	14
	Accepts an incoming call and puts the active call on hold (managing two calls)	19
	Redials the last number	18
	Toggles between two calls (managing two calls)	19
	Activates pairing mode	11






**Audio button: Volume adjustment**

Move the button	Function	Page
	During an active call: Increases/reduces the speaker volume  During music reproduction: Increases/reduces the audio volume  In idle mode (no active call or music reproduction): Increases/reduces the volume for the ring tone, the beeps and the voice prompts	16



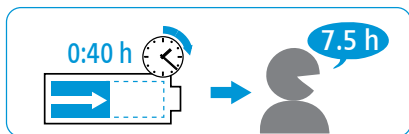
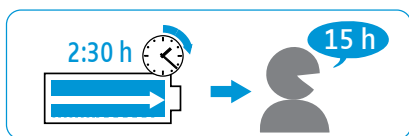
**Audio button: Mute function | Direction of the audio button's volume up/down function | Room experience**

Press the button	Function	Page
	During an active call: Mutes/unmutes the headset's microphone	19
	Changes the direction of the Audio button's volume up/down function; MB Pro 2 also changes the left and the right stereo channel	16
	Activates/deactivates the room experience for enhanced call comfort during calls (MB Pro 2 only)	15

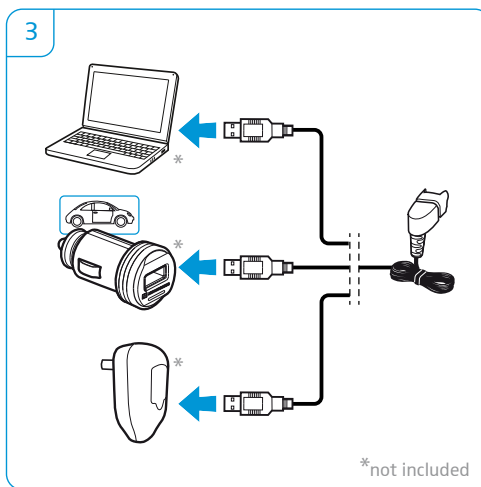
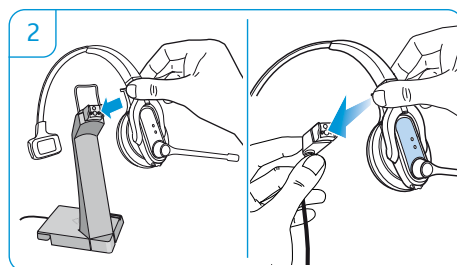
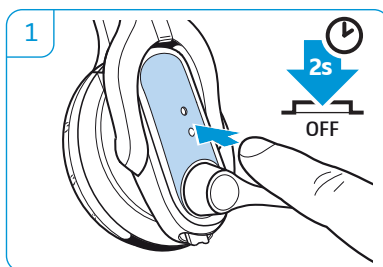
# Putting the headset into operation

## Charging the headset battery

A complete charging cycle takes about 2 hours and 30 minutes. Before using the headset for the first time, charge the rechargeable battery for a complete charging cycle without interruption.

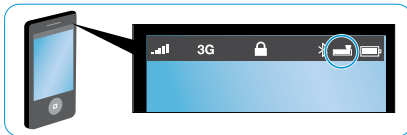


1. Take off the headset and switch it off (see page 14).
2. Place the headset into the magnetic holder of the headset charger.
3. Connect the USB plug of the charging cable to the USB socket of your computer, the corresponding USB car charger (optional accessory) or power supply unit (optional accessory).
4. The battery is being charged. The LED flashes depending on the battery charge level. After 30 seconds, the LED goes off. Press the multi-function button to check the battery charge level. When the battery is fully charged, the LED lights up blue constantly.



LED flashes	Meaning
1x	below 1 hour talk time
1x	1 to 2 hours talk time
2x	2 to 4 hours talk time
3x	4 to 10 hours talk time
4x	above 10 hours talk time
	100 %

**i** When the battery charge level drops below 15 minutes of talk time, the LED flashes red and the voice prompt "Recharge headset" is announced several times. When the battery is flat, the headset switches off automatically.



### Battery level indicator displayed on Apple iPhone

When the headset is paired with an iPhone, the iPhone screen shows an additional battery level indicator for the headset.

## Pairing the headset with Bluetooth devices

### CAUTION

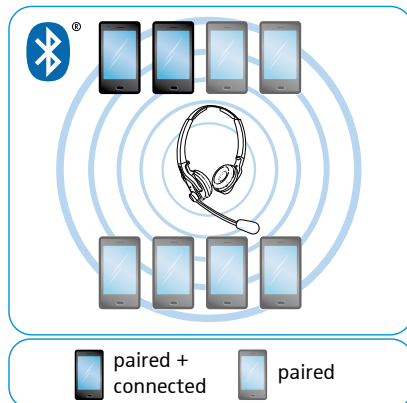
#### Danger of malfunction!

The transmitted radio waves of mobile phones can impair the operation of sensitive and unprotected devices.

- ▶ Only make calls with the headset in locations where wireless **Bluetooth** transmission is permitted.

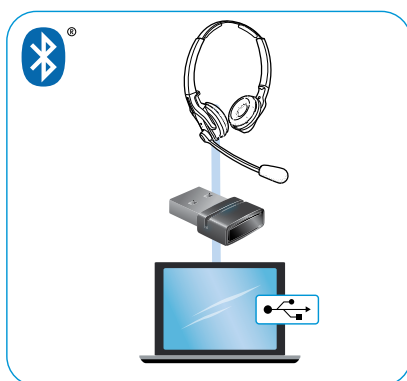


The headset complies with the **Bluetooth** 4.0 standard. In order that data can be transmitted wirelessly using **Bluetooth** technology, you have to pair your headset with **Bluetooth** devices that support the "hands free profile" (HFP), the "headset profile" (HSP) or the "advanced audio distribution profile" (A2DP).



The headset can save the connection profiles of up to eight **Bluetooth** devices with which it has been paired. After switch-on, the headset automatically tries to connect to the two last connected **Bluetooth** devices. You can only connect a third **Bluetooth** device after having switched off the first or the second **Bluetooth** device.

If you pair the headset with a ninth **Bluetooth** device, the saved connection profile of the least used **Bluetooth** device will be overwritten. If you want to re-establish a connection with this **Bluetooth** device, you have to pair the headset again.



### Using the headset with a PC and a Bluetooth USB dongle

To use the headset with a softphone, you either require a PC supporting **Bluetooth** or an additional **Bluetooth** USB dongle (wireless audio transmitter and receiver). The BT-D 800 USB **Bluetooth** USB dongle is supplied together with the MB Pro 1 UC/MB Pro 2 UC variants and is pre-paired with the headset.

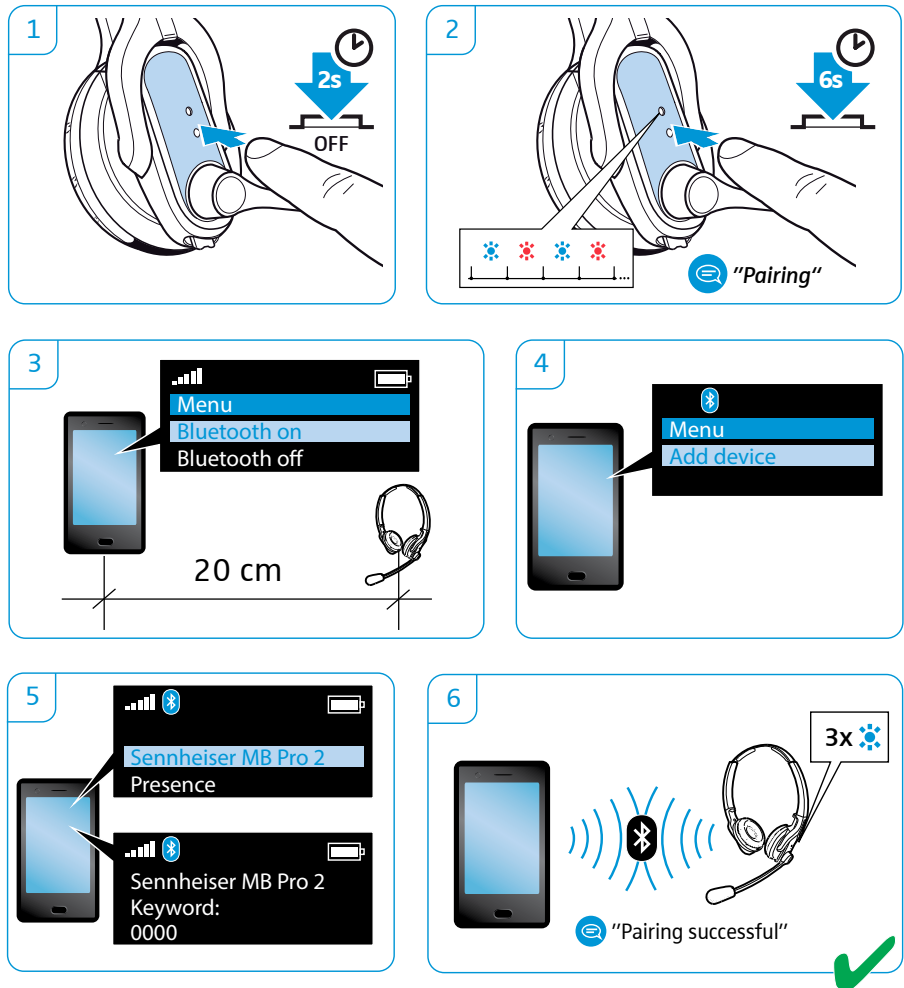
To use the headset with a **Bluetooth** USB dongle:

- ▶ Plug the **Bluetooth** USB dongle into the USB port of your PC.
- ▶ Follow the instructions in the next chapter, as well as those given in the instruction manual of your **Bluetooth** USB dongle.

### Pairing the headset with a Bluetooth device

The following chapter describes, by way of example of a mobile phone, how to pair the headset with a **Bluetooth** device. In case of deviation, proceed as described in the instruction manual of your mobile phone.

1. Switch the headset off (see page 14).
2. Keep the multi-function button pressed until the LED alternately flashes blue and red.  
The headset is in pairing mode.
3. Enable the **Bluetooth** visibility on your mobile phone.
4. Via the mobile phone's menu, start the search for new **Bluetooth** devices (see the instruction manual of your mobile phone). All available devices in the proximity of the mobile phone are displayed.
5. From the found **Bluetooth** devices, select "Sennheiser MB Pro 1" or "Sennheiser MB Pro 2" to pair the headset with the mobile phone. If necessary, enter the default PIN code "0000".
6. Once the headset is paired with the mobile phone, the LED goes off.

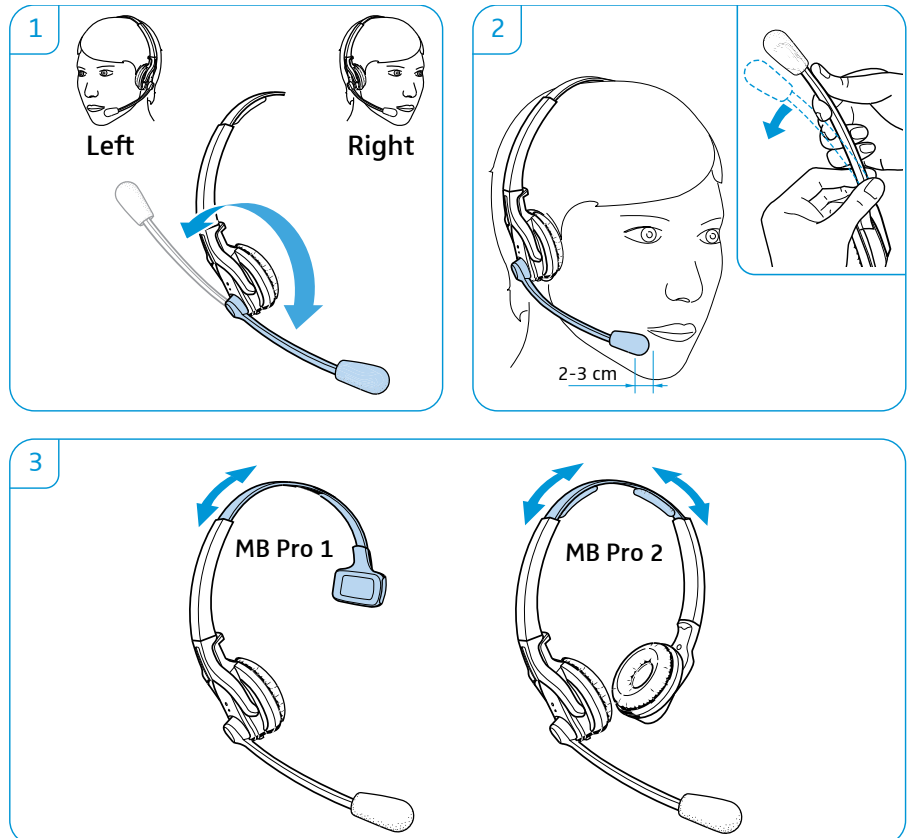


If pairing is not successful within 5 minutes, the headset automatically returns to connectable mode. Repeat the pairing procedure.

# Using the headset

## Individually adjusting the headset and wearing it

1. Rotate the microphone boom.
2. Bend the microphone boom so that the microphone is about 0.8" (2 cm) from the corner of your mouth.
3. Adjust the headset so that the
  - **MB Pro1**: ear pad rests comfortably on your right or left ear.
  - **MB Pro2**: the ear pads rest comfortably on your ears.

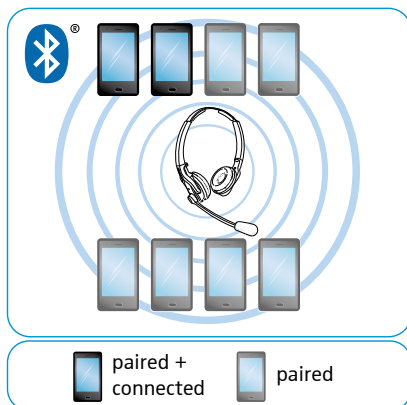
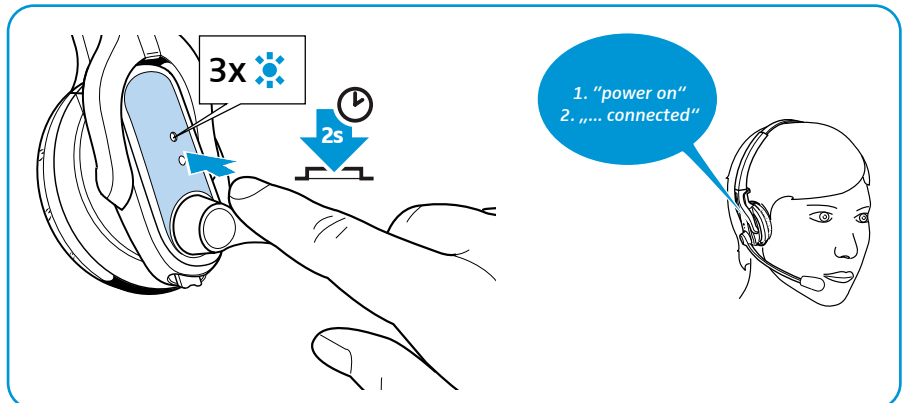


## Switching the headset on and connecting it

- ▶ Press the multi-function button for 2 seconds or take the headset from the magnetic holder or the charging cable.

The voice prompt "Power on" is announced in the headset. The LED flashes 3 times blue every 2 seconds until the headset finds a paired **Bluetooth** device to connect to. Once the connection is successfully established, one or two of the following voice prompts are announced in the headset:

- "Phone one connected" for the first mobile phone
- "Phone two connected" for the second mobile phone or
- "Dongle connected" for the **Bluetooth** dongle.



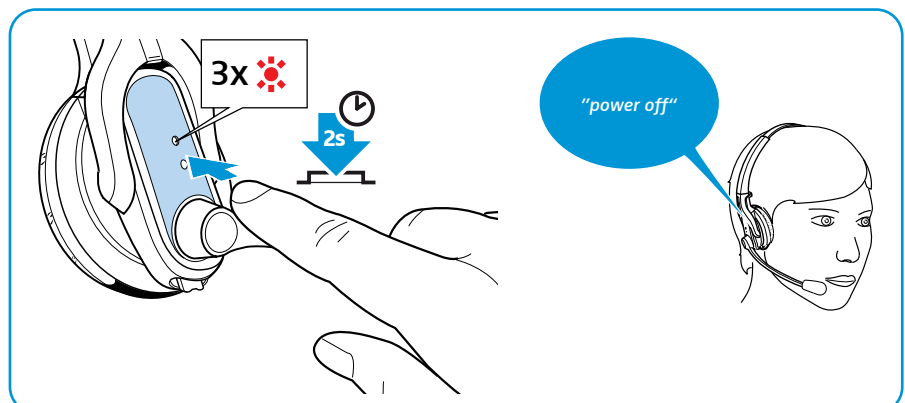
Only two out of the maximum eight paired **Bluetooth** devices can be simultaneously connected to the headset ("paired + connected").

After switch-on, the headset automatically tries to connect to the two last connected **Bluetooth** devices.

## Switching the headset off

- ▶ Press the multi-function button for 2 seconds.

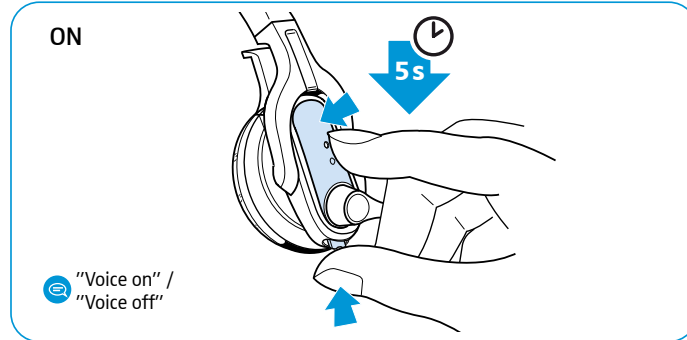
The voice prompt "Power off" is announced in the headset and the LED flashes red 3 times. The headset ends the call and switches off.



- i** If the headset has not been used for more than 30 minutes and no devices are connected, the headset automatically switches off to conserve battery power.

### Activating/deactivating the voice prompts

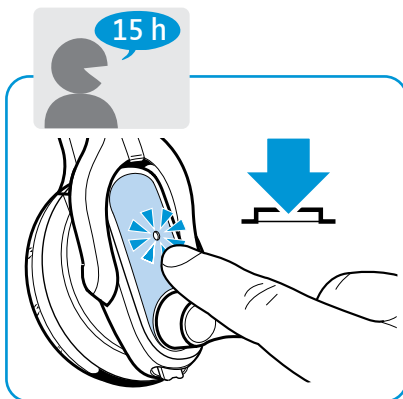
1. Switch the headset on (see page 14).
2. Simultaneously press and hold the headset's multi-function button and Audio button for 5 seconds.  
The voice prompts are now activated/deactivated and the voice prompt "Voice on" or "Voice off" is announced in the headset.



**i** If the voice prompts are deactivated, the headset emits beeps.

### Retrieving information on the remaining talk time

You can retrieve information on the remaining talk time at any time except when you are on a call or listening to music:



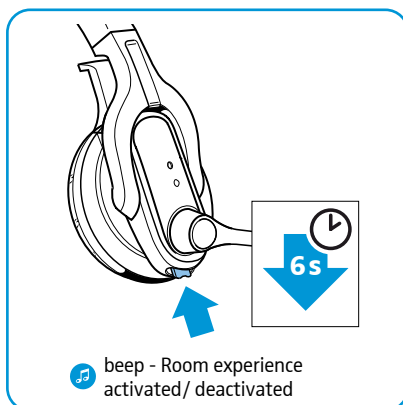
- ▶ Press the multi-function button.

Information announced	Remaining talk time	LED flashes
"Above 10 hours talk time"	more than 10 hours	4x
"Between 4 and 10 hours talk time"	4 to 10 hours	3x
"Between 2 and 4 hours talk time"	2 to 4 hours	2x
"Between 1 and 2 hours talk time"	1 to 2 hours	1x
"Less than 1 hour talk time"	less than 1 hour	1x
"Recharge headset"	less than 15 minutes; automatic voice prompt	1x

### Activating/deactivating the room experience (MB Pro 2 only)

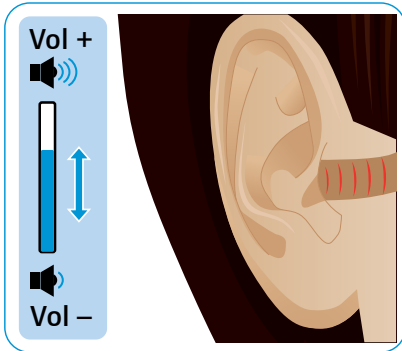
The room experience ensures enhanced call comfort when communicating. Your call partner's voice is reproduced very naturally, making long or many calls more comfortable and less tiring.

- ▶ Press the Audio button until you hear a confirmation beep.  
The room experience is now activated or deactivated.





## Changing the volume



### CAUTION

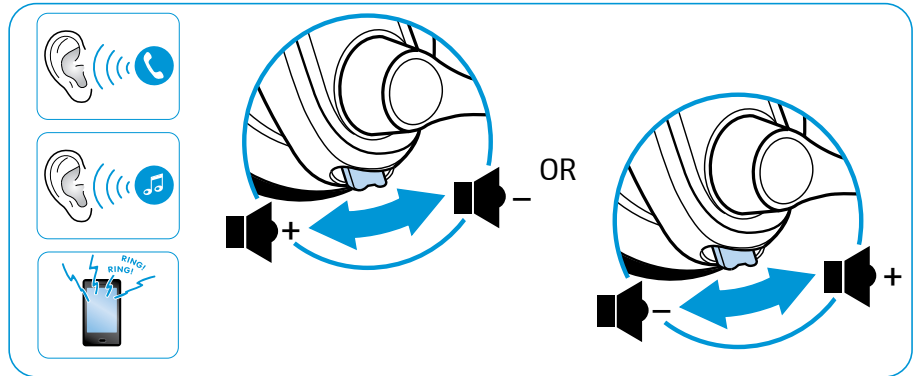
**Hearing damage due to high volumes!**

Listening at high volume levels for long periods can lead to permanent hearing defects.

- ▶ Set the volume to a low level before putting on the headset.
- ▶ Do not continuously expose yourself to high volumes.

You can adjust three independent volume settings for the headset:

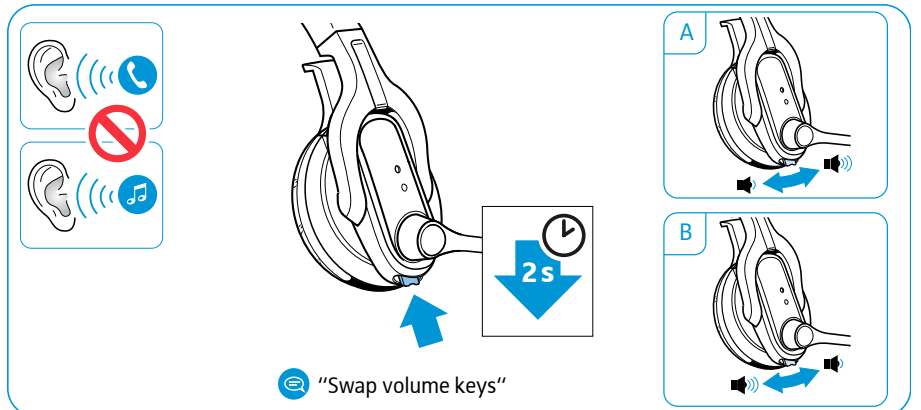
- speaker volume: can be adjusted during an active call,
  - audio volume: can be adjusted during music reproduction,
  - volume for the ring tone, the beeps and the voice prompts: can be adjusted in idle mode (no active call or music reproduction)
- ▶ To adjust the volume, move the Audio button as shown in the diagram. When the minimum or maximum volume is reached, the voice prompt "Volume min" or "Volume max" is announced in the headset. When the voice prompts are disabled, you hear a beep in the headset instead.



### Changing the direction of the Audio button's volume up/down function

You can change the direction of the Audio button's volume up/down function if, for example, you want to wear the headset on the other ear (see page 13).

- ▶ Press and hold the multi-function button (no active call or music reproduction): The direction of the Audio button's volume up/down function is changed. The voice prompt "Swap volume keys" is announced in the headset. MB Pro 2: When the direction of the Audio button's volume up/down function is changed, the headset's left and right stereo channel is also changed to provide optimum stereo sound.



## Making calls using the headset

### Making a call

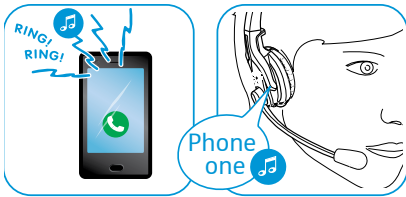


- ▶ Dial the desired number on your mobile phone or softphone. You hear a beep in the headset.

If your mobile phone does not automatically transfer the call to the headset:

- ▶ Press the multi-function button on the headset or press a corresponding button on your mobile phone (see the instruction manual of your mobile phone).

### Accepting/rejecting/ending a call

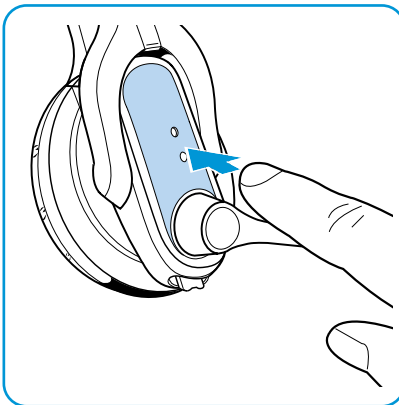


When you receive a call, the headset announces which of the connected Bluetooth device is ringing:

- connected mobile phones: "Phone one" or "Phone two" or
- Bluetooth dongles connected to the PC: "Dongle"

You then hear a ring tone in the headset and the LED flashes blue. If the headset battery is low, the LED flashes red.

- ▶ Press the multi-function button:



Duration	Function	Voice prompt/beeps
	Accepts a call	
	Rejects a call	"Call rejected"
	Puts an active call on hold (pause)	-
	Ends a call	"Call ended"

To accept a call while the headset is being charged:

- ▶ Take the headset from the magnetic holder of the charging cable. The headset switches on and the call is automatically accepted.
- ▶ Place the headset back into the magnetic holder to end the call and to continue charging the rechargeable battery.

To accept a call when the headset is switched off:

- ▶ Simply switch your headset on.

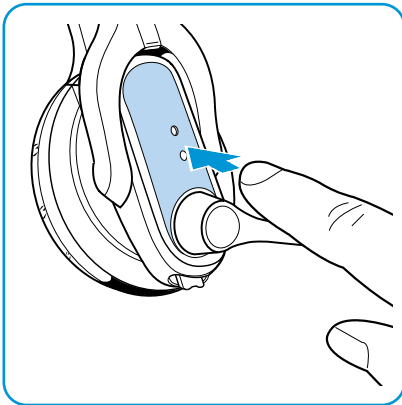
When the voice prompts are disabled, you hear a beep in the headset.

When you listen to music, the music is paused until you end the call. This function is not supported by all mobile phones.

### Transferring the call to/from the headset

Once a connection is established, you can transfer the call to/from the headset.

▶ Press the multi-function button:

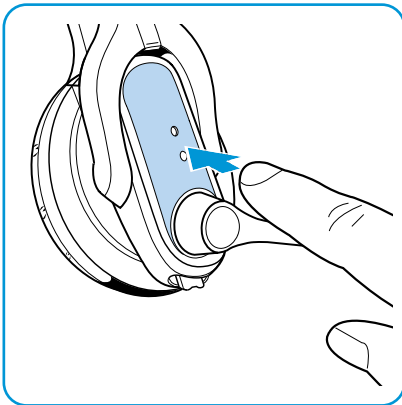


Duration	Function	Beeps
1s	Transfers a call from the headset to the mobile phone	
	Transfers a call from the mobile phone to the headset	

### Redialing

The redialing function is only supported by **Bluetooth** devices with a "hands free profile" (HFP).

▶ Press the multi-function button:

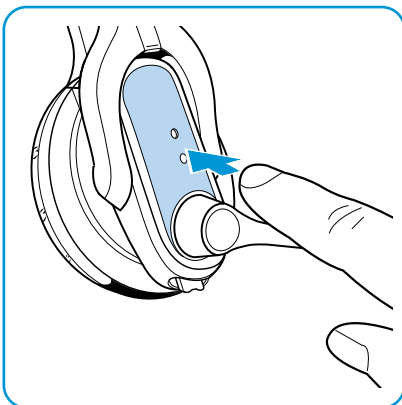


Duration	Function	Voice prompt
2x	Redials the last number	"Redialing"
	Cancels redialing	"Redial cancelled"

### Voice dialing

The voice dialing function is only supported by **Bluetooth** devices with a "hands free profile" (HFP). The voice commands and functions depend on the **Bluetooth** device or on the app. Besides voice dialing, you can dictate SMS messages or emails (device dependent).

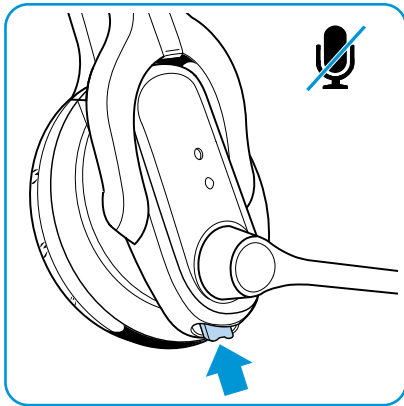
▶ Press the multi-function button:



Duration	Function	Voice prompt
1s	Activates voice dialing	"Voice dial"
1s	Cancels voice dialing	-

▶ Say your voice command, e.g. "Call Jane". The **Bluetooth** device dials Jane's number.

Some voice dial systems require an internet connection.



### Muting the headset's microphone

- ▶ Press the Audio button.  
The headset's microphone is muted. During the muting, the Link LED flashes red.

Duration	Function	Voice prompt
	Mutes the headset's microphone	"Mute on"
	Unmutes the headset's microphone	"Mute off"



paired + connected

### Managing multiple calls

You can use the headset simultaneously with two connected **Bluetooth** devices (see page 11).

- ▶ Switch the headset on.  
The headset automatically tries to establish a connection to the two last connected **Bluetooth** devices.

### Managing two calls

You can manage two calls:

- from either two different **Bluetooth** devices or
- from one **Bluetooth** device.

If you receive a call during an active call:

- ▶ Press the multi-function button:

Duration	Active call	2nd incoming call	Function
			Accepts the incoming call and ends the active call
			Accepts the incoming call and puts an active call on hold (toggling – phone dependent)
			Rejects the incoming call and continues the active call

If you put an active call on hold (toggling):

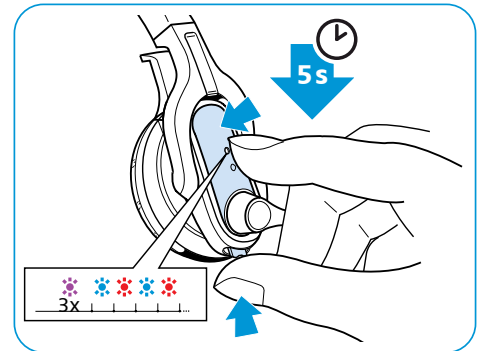
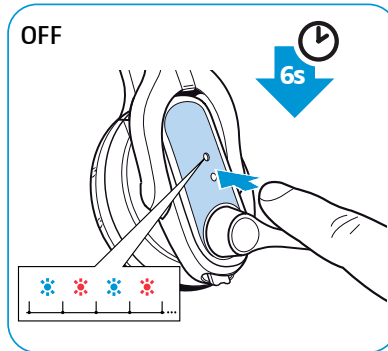


- ▶ Press the multi-function button again:

Duration	Active call	2nd incoming call	Function
			Ends the active call and makes the call on hold active (phone dependent)

## Restoring factory default settings (Reset)

1. Switch the headset off (see page 14).
2. Keep the multi-function button pressed until the LED alternately flashes blue and red.
3. Simultaneously press and hold the headset's multi-function button and Audio button for 5 seconds.  
The LED flashes 3 times purple and then alternately blue and red. The headset tries to pair with **Bluetooth** devices (see page 11).



## If you are out of the Bluetooth transmission range

Calling is only possible in the **Bluetooth** transmission range of the mobile phone/**Bluetooth** device. The transmission range largely depends on environmental conditions such as wall thickness, wall composition etc. With a free line of sight, the transmission range of most mobile phones and **Bluetooth** devices is up to 10 meters.

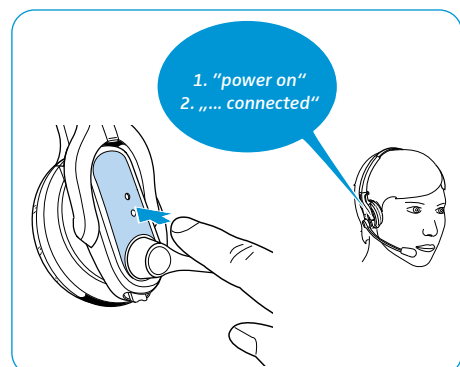
If the headset leaves the transmission range of the connected **Bluetooth** device during a call, one of the following voice prompts is announced in the headset:

- "Phone one disconnected" for the first mobile phone
- "Phone two disconnected" for the second mobile phone or
- "Dongle disconnected" for the **Bluetooth** dongle.

If you re-enter the **Bluetooth** transmission range within these 5 minutes, the connection is re-established and the voice prompt "Phone one connected", "Phone two connected" or "Dongle connected" is announced in the headset.

If you spend more than 5 minutes outside the **Bluetooth** transmission range, the connection breaks down completely and you have to manually re-establish the connection. To re-establish a connection to the mobile phone or/and **Bluetooth** dongle:

- ▶ Briefly press the multi-function button.  
Once the connection is successfully re-established, one of the following voice prompts is announced in the headset:
  - "Phone one connected" for the first mobile phone
  - "Phone two connected" for the second mobile phone or
  - "Dongle connected" for the **Bluetooth** dongle.



## Cleaning and maintaining the headset

### CAUTION

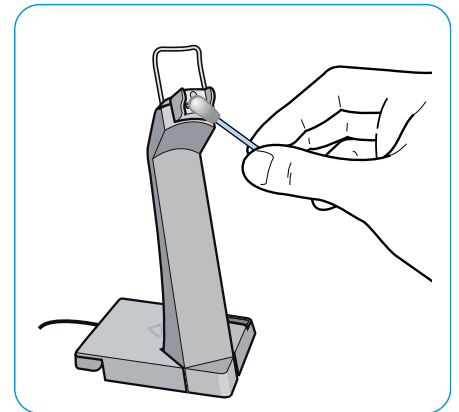
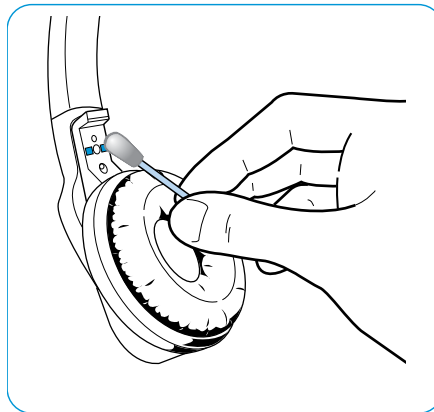
Liquids can damage the electronics of the product!

Liquids entering the housing of the device can cause a short circuit and damage the electronics.

- ▶ Keep all liquids far away from the product.
- ▶ Do not use any cleansing agents or solvents.

### Cleaning the headset and the headset charger

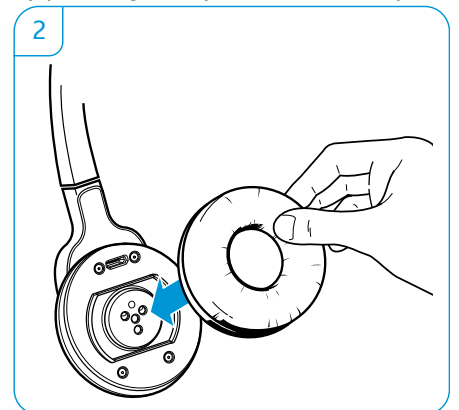
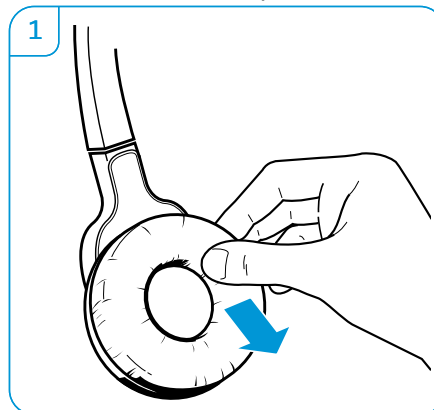
- ▶ Before cleaning, unplug the USB plug of the charging cable.
- ▶ Only use a dry and soft cloth to clean the product.
- ▶ Clean the charging contacts of the headset and the charging contacts of the headset charger from time to time using e.g. a cotton swab.



### Replacing the ear pads

For reasons of hygiene, you should replace the ear pads from time to time. Spare ear pads are available from your Sennheiser partner.

- ▶ Carefully remove the old ear pad from the ear cup.
- ▶ Attach the new ear pad to the ear cup by pressing firmly around the ear pad.



## Replacing the headset's rechargeable battery

### CAUTION

#### Damage to the product due to improper handling!

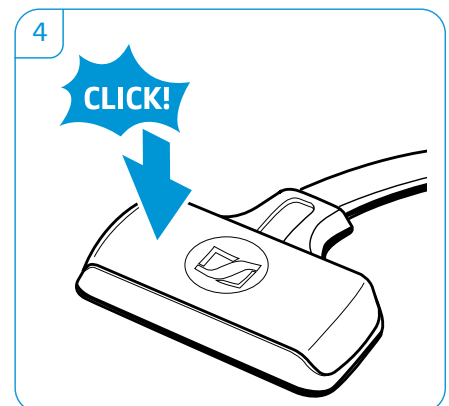
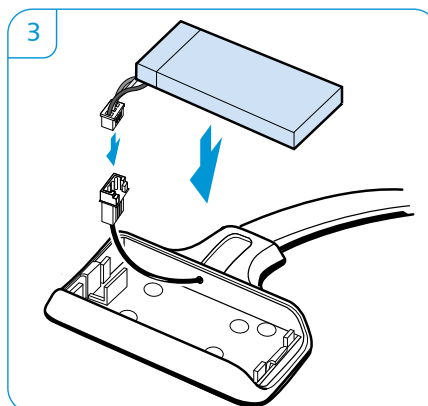
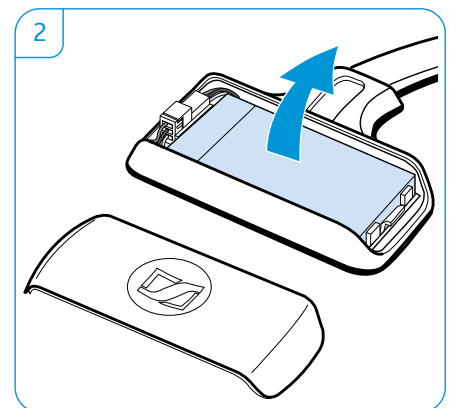
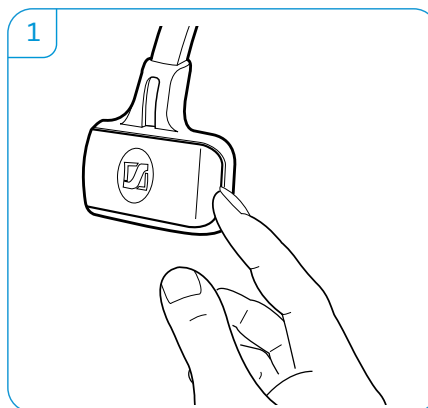
The cables can be kinked or damaged if you open the battery compartment too jerkily.

- ▶ Carefully open the battery compartment and loosen the connector plug of the rechargeable battery.

Spare rechargeable batteries are available from your Sennheiser partner. Only use spare rechargeable batteries recommended by Sennheiser.

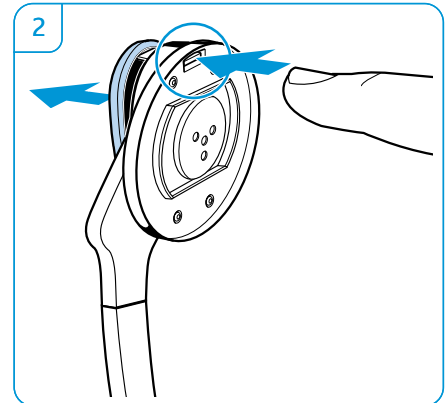
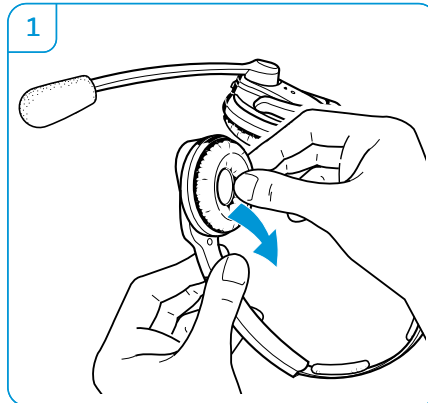
### Replacing the rechargeable battery of the MB Pro 1 headset

1. Open the battery compartment cover.
2. Remove the rechargeable battery and carefully loosen the connector plug of the rechargeable battery.
3. Insert the connector plug of the new rechargeable battery into the connection socket. Observe correct orientation of the connector plug.
4. Reattach the battery compartment cover.

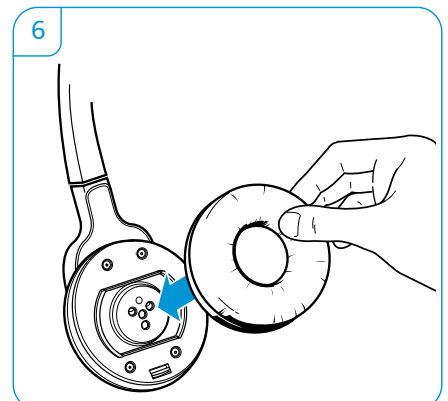
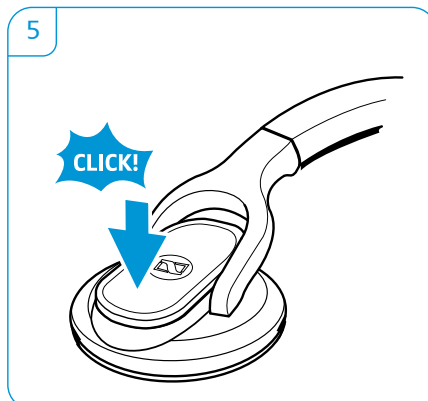
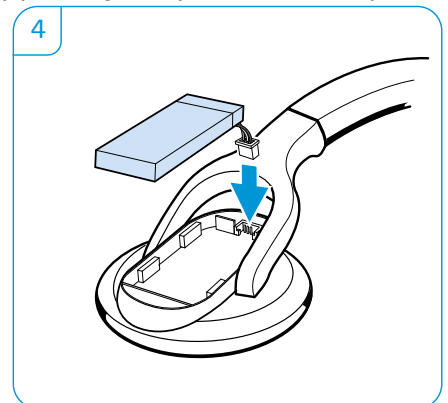
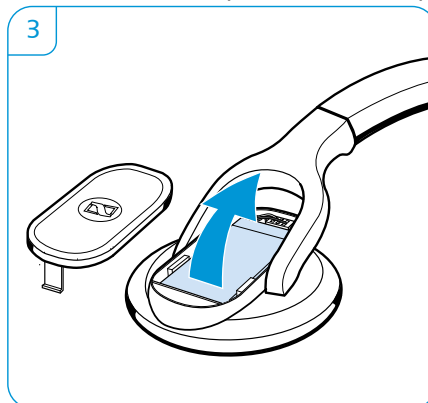


### Replacing the rechargeable battery of the MB Pro 2 headset

1. Carefully remove the ear pad from the ear cup where the battery compartment is located.
2. Open the battery compartment.



3. Remove the rechargeable battery and carefully loosen the connector plug of the rechargeable battery.
4. Insert the connector plug of the new rechargeable battery into the connection socket. Observe correct orientation of the connector plug.
5. Reattach the battery compartment cover.
6. Reattach the ear pad to the ear cup by pressing firmly around the ear pad.



### Storing the headset

If you do not use the headset for extended periods of time:

- ▶ Charge the rechargeable battery every 3 months for about 1 hour.
- ▶ Store the headset in a clean and dry environment.



## Updating the software of the product

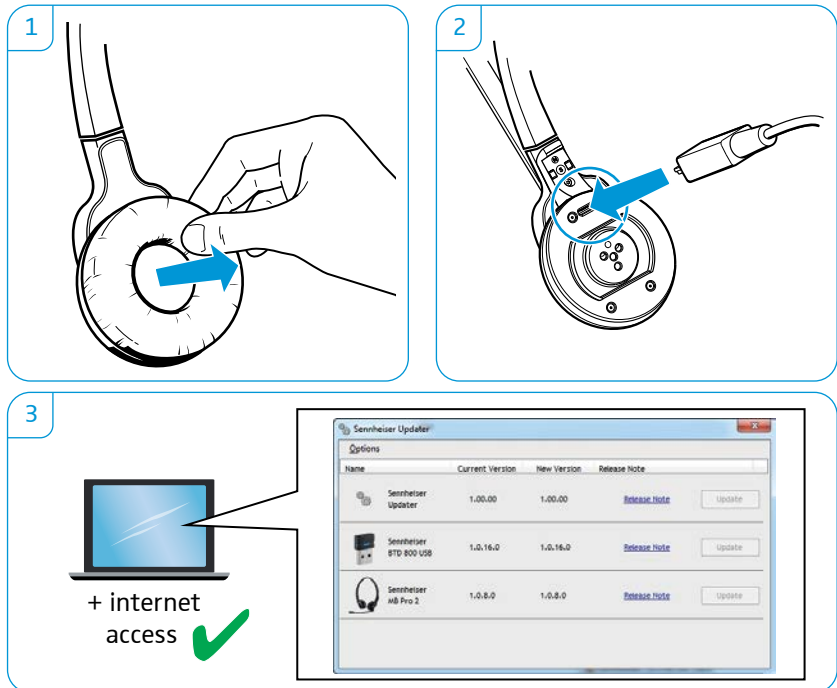
You can update the software of your headset and Bluetooth dongle by using the free "Sennheiser Updater" PC software.

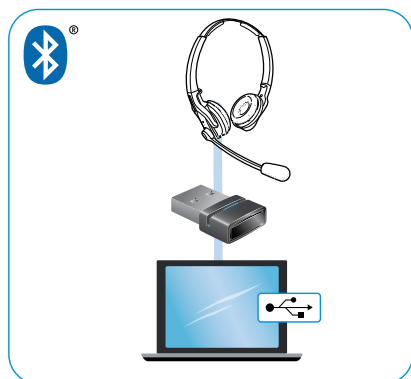
- ▶ Download the "Sennheiser Updater" from [www.sennheiser.com/cco/software](http://www.sennheiser.com/cco/software).
- ▶ Install the PC software. To install the software, you need administrator rights on your computer. If necessary, contact your IT department.
- ▶ To update the software, connect only one product at a time.

### Updating the software of the headset

1. Remove the ear pad from the ear cup where the microphone is located.
2. Use a USB cable with mini USB plug to connect the headset to your computer.
3. Start the "Sennheiser Updater".

The "Sennheiser Updater" compares the installed firmware version of the headset to the latest firmware version available for download. If your firmware needs to be updated, upgrade to the latest version according to the instructions of the "Sennheiser Updater".

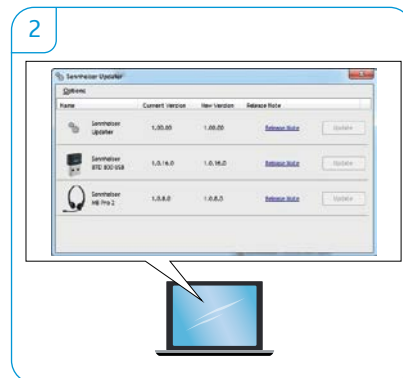
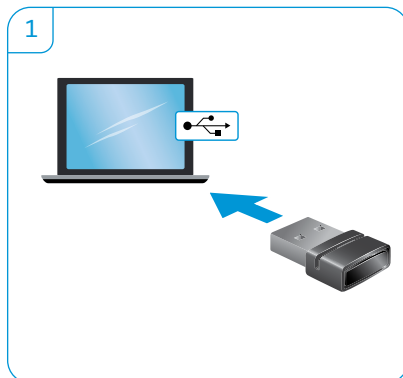




### Updating the software of the Bluetooth USB dongle

1. Plug the **Bluetooth** USB dongle into the USB port of your PC.
2. Start the "Sennheiser Updater".

The "Sennheiser Updater" compares the installed firmware version of the **Bluetooth** USB dongle to the latest firmware version available for download. Upgrade to the latest version according to the instructions of the "Sennheiser Updater".



## If a problem occurs ...

Problem	Possible cause	Solution	Page
Headset cannot be switched on	The rechargeable battery is flat	Recharge the rechargeable battery.	10
No audio signal	The headset is not paired with the mobile phone	Check if the headset is paired. If necessary, pair the headset again.	11
	The volume is adjusted too low	Increase the volume.	16
	The headset is switched off	Switch the headset on.	14
Headset cannot be paired	The pairing does not work	Check if your <b>Bluetooth</b> device supports the HF or HS profile.	–
	The mobile phone is switched off	Switch your mobile phone on.	–
	<b>Bluetooth</b> is deactivated on the mobile phone	Activate <b>Bluetooth</b> on your mobile phone.	–
No voice prompts announced (beeps only)	The voice prompts are deactivated	Activate the voice prompts.	15
Headset does not react to any button press	The operation of the headset is faulty	Reset the headset to the factory default settings.	20

If a problem occurs that is not listed in the above table or if the problem cannot be solved with the proposed solutions, please contact your local Sennheiser partner for assistance.

To find a Sennheiser partner in your country, search at [www.sennheiser.com/cco](http://www.sennheiser.com/cco).

## Specifications

### MB Pro 1 | MB Pro 2

Dimensions (W x H x D)	170 x 175 x 55 mm
Weight	MB Pro 1: approx. 64 g MB Pro 2: approx. 83 g
Standby time	up to 19 days
Talk time	up to 15 hours
Charging time of rechargeable battery	2 hours 30 minutes
Rechargeable battery (built-in)	Lithium Polymer; 3.7 V; 205 mA
Speaker type	dynamic, neodymium magnet
Speaker frequency response	150 – 6,800 Hz (wideband) 200 – 3,400 Hz (narrowband) 150 – 15,000 Hz (A2DP/music)
Sound pressure level	max. 118 dB SPL (ERP)
Microphone type	Noise cancelling electret condenser microphone
Microphone frequency response	150 – 6,800 Hz (wideband) 200 – 3,400 Hz (narrowband)

### BTD 800 USB dongle

Dimensions (W x H x D)	22 x 16 x 6 mm
Weight	2 g

### MB Pro 1 | MB Pro 2 | BTD 800 USB

Operating temperature range	+10°C (+50°F) to +40°C (+104°F)
Operating relative humidity	20 to 85 %, non-condensing
Storage temperature range	-20°C (-4°F) to +60°C (140°F)
Storage relative humidity	10 to 95 %, non-condensing



### Bluetooth

Bluetooth	version 4.0/class 1
Range	up to 25 m (device-dependent)
Transmission frequency	2,402 MHz to 2,480 MHz
Profiles	HSP (v1.2), HFP (v1.6), A2DP (v1.2)
Output power of headset	9 dBm/7.90 mW
Output power of BTD 800 USB	8 dBm/ 6.30 mW
Typical sensitivity of headset	-89 dBm
Typical sensitivity of BTD 800	-89 dBm

# Manufacturer Declarations

## Warranty

Sennheiser Communications A/S gives a warranty of 24 months on this product. For the current warranty conditions, please visit our website at [www.sennheiser.com](http://www.sennheiser.com) or contact your Sennheiser partner.

### Sennheiser product warranty FOR AUSTRALIA ONLY

In Sennheiser's goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to other rights or remedies under law. Nothing in this warranty excludes, limits or modifies any liability of Sennheiser which is imposed by law, or limits or modifies any remedy available to the consumer which is granted by law.

To make a claim under this warranty, contact

Sennheiser Australia Pty Ltd, Unit 3, 31 Gibbes Street Chatswood NSW 2067, AUSTRALIA

Phone: (02) 9910 6700, email: [service@sennheiser.com.au](mailto:service@sennheiser.com.au).

All expenses of claiming the warranty will be borne by the person making the claim. The Sennheiser International Warranty is provided by Sennheiser Australia Pty Ltd (ABN 68 165 388 312), Unit 3, 31 Gibbes Street Chatswood NSW 2067 Australia.

## In compliance with the following requirements



- WEEE Directive (2002/96/EC)

Please dispose of this product by taking it to your local collection point or recycling center for such equipment. This will help to protect the environment in which we all live.



- Battery Directive (2006/66/EC)

The product's built-in rechargeable batteries can be recycled. In order to protect the environment, please dispose of defective products with built-in rechargeable batteries as special waste or return them to your specialist dealer.

## CE Conformity

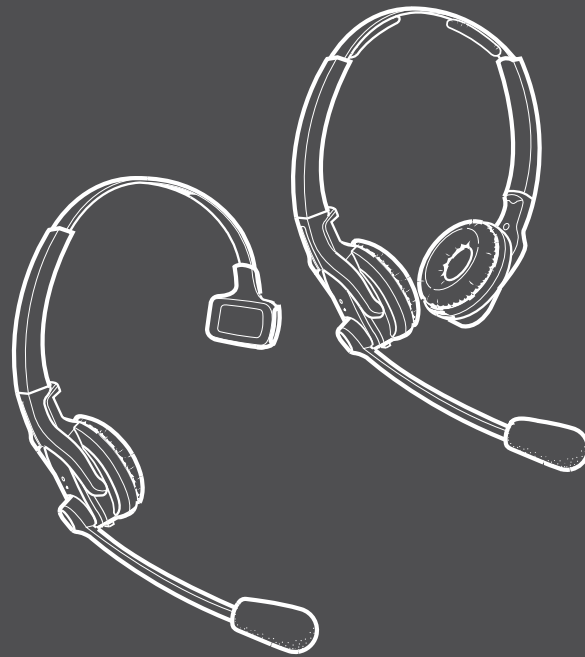
- R&TTE Directive (1999/5/EC)
- EMC Directive (2004/108/EC)
- Low Voltage Directive (2006/95/EC)
- ErP Directive (2009/125/EC)
- RoHS Directive (2011/65/EU)

The declaration is available on our website at [www.sennheiser.com](http://www.sennheiser.com).

**Before putting the product into operation, please observe the respective country specific regulations!**

## Trademarks

The **Bluetooth** word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sennheiser is under license.



 **SENNHEISER**

**Sennheiser Communications A/S**

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[www.sennheiser.com](http://www.sennheiser.com)

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