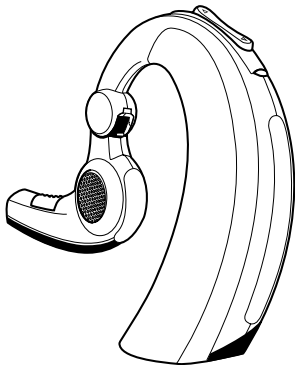


# VMX 100 3in1 VMX 100

Instruction Manual  
Bedienungsanleitung  
Notice d'emploi  
Istruzioni per l'uso  
Instrucciones de uso  
Gebruiksaanwijzing





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We have designed this product to give you reliable operation over many years. Over half a century of accumulated expertise in the design and manufacture of high-quality electro-acoustic equipment have made Sennheiser a world-leading company in this field.

Please take a few moments to read these instructions carefully, as we want you to enjoy your new Sennheiser product quickly and to the fullest.

# Important safety information



The VMX 100 has been manufactured according to the accepted rules of safety and current technology. However, there is still a danger of damage to equipment if the following general safety instructions are not complied with.

- Read these instructions.
- Follow these instructions.
- Keep these instructions in a location where they are accessible to all users at all times.
- Always include the operating instructions when you pass the VMX 100 on to third parties.

## Intended use:

The VMX 100 is an accessory for mobile phones or any Bluetooth compliant device with a “hands free” or a “headset” profile intended for wireless communication via Bluetooth in dry environments.

It is considered improper use when the VMX 100 is used

- for any application not named in these instructions,
- under operating conditions that deviate from those described in these instructions.

## General instructions

- Never disassemble or modify components of the VMX 100.
- The built-in rechargeable battery may present a fire or chemical burn hazard if mistreated. Therefore, do not dis-

assemble, heat above 40 °C (104 °F) or incinerate the rechargeable battery.

- Sennheiser Communications is not liable for damages resulting from the loss of connection due to a run flat battery, an old battery or exceeding the transmitting range.

## **Before operation**

- Use the VMX 100 in dry places only and keep liquids and small electrically conductive parts away from the VMX 100 and its connecting sockets.
- Do not expose the VMX 100 to extreme temperatures. Normal operating temperatures are 10 °C (50 °F) to 40 °C (104 °F).
- Store the headset in a clean, dust-free environment.

## **During charging**

- Do not wear the headset when charging.
- Sennheiser Communications is not liable for damages to USB devices that are not consistent with the USB specifications.
- The headset must be charged either with the VMX 100 power supply, or the VMX 100 car charger unit or a USB socket of a computer. Never try to charge batteries other than the one in the VMX 100 headset with the VMX 100 power supply (EU: 502310, UK: 502311, US: 502312) or the VMX 100 car charger unit (502313).

## **During operation**

- Avoid listening at high volume levels for long periods since this leads to permanent hearing defects.

- Observe your country's regulations for the use of mobile phones, headsets and hands-free equipment in traffic. Always focus your attention on driving safely!
- This equipment generates, uses and can radiate radio frequency energy and, if not 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.

## **Cleaning**

- For cleaning the VMX 100, use a dry cloth only. Do not use any solvents or cleansing agents.

## **Disposal**

- Dispose of the used built-in rechargeable battery and the VMX 100 according to the legal regulations of your country.

# Features of the VMX 100

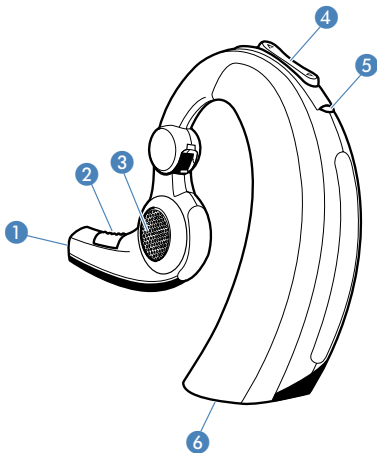
- VoiceMax™ Dual Microphone technology
- Adaptive Intelligence, automatically compensating for ambient noise and “remembering” the user's preferred settings
- 3D ball joint for individual wearing comfort
- Automatic power off/on when closed/opened
- ActiveGard™ protection against acoustic shocks
- Bluetooth 2.0 compatible with all Bluetooth 1.1, 1.2 and 2.0 devices that support the “hands free” or “headset” profile
- Up to five hours talk time
- Up to 100 hours standby time
- Charging directly from USB
- Superior Sennheiser audio quality
- Two way speaker for choice of left/right side wearing
- Steel mesh protected speaker unit
- Extremely lightweight and comfortable (15 grams)
- Small microphone boom impairs neither the user's freedom of movement nor his or her field of vision



## **Delivery includes**

- 1 VMX 100 Bluetooth headset with built-in rechargeable Li-polymer battery
- 1 VMX 100 power supply
- 1 USB charging cable
- 1 Car charger unit (only VMX 100 3in1)
- 1 Carrys case (only VMX 100 3in1)
- 1 Instruction manual

# Operating elements



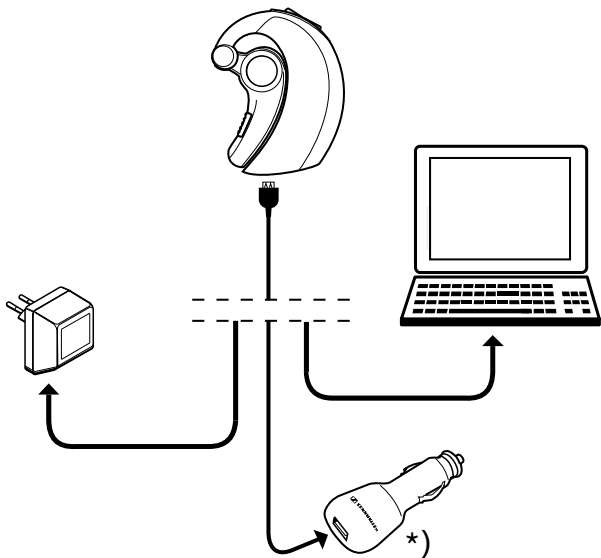
- 1 microphone boom
- 2 hook button
- 3 speaker
- 4 volume buttons
- 5 LED
- 6 socket for power supply

# Button overview

| Button            | Function  | See page                                     |
|-------------------|---|--|
| microphone boom ① | <ul style="list-style-type: none"><li>• switch the headset on or off</li><li>• answer the phone</li></ul>   | 15<br>19                                     |
| hook button ②     | <ul style="list-style-type: none"><li>• answer the phone</li><li>• reject a call</li><li>• end a call</li><li>• transfer a call from the mobile phone to the headset</li><li>• activate redialling</li><li>• activate voice dialling</li><li>• mute the microphone</li><li>• un-mute the microphone</li></ul> | 19<br>19<br>21<br>21<br>20<br>20<br>23<br>23 |
| volume button ④   | <p>change the speaker volume</p> <p>change the ring tone volume</p> <p>un-mute the microphone</p> <p>answer the phone</p> <p>enter pairing mode</p>   | 22<br>22<br>23<br>19<br>16                   |

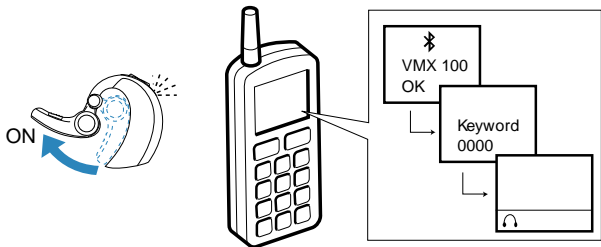
# Quick Setup Guide

- ▶ At first charge the headset.  
On first charging allow 4 hours. Later, 2.5 hours suffice to fully charge the battery. For details see page 14.

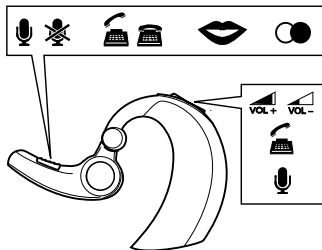
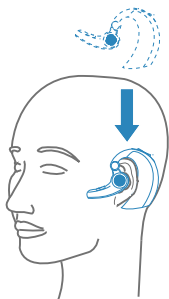




- \*) The car charger unit is only included in the VMX 100 3in1 version.


- ▶ Then switch on the headset (details on page 15) and pair it to your mobile phone. For details and information on how to pair to another Bluetooth device see page 17.





- ▶ Put the headset on your ear.






  (un)muting (p. 23)

 ending calls (p.21)

 redialling (p. 20)

 accepting calls (p. 19)

 voice dialling (p.20)

  volume (p. 22)

# Setting up the VMX 100

## Charging the battery in the headset

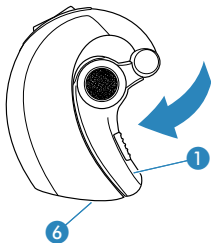
If you charge the battery for the first time, allow charging for at least 4 hours without interruption.

Later, 2.5 hours suffice to fully charge the battery.

To charge the battery in the headset:

- ▶ Take off the headset and close the microphone boom ①. The headset is switched off.
- ▶ Connect the USB charging cable to the headset's socket for power supply ⑥.
- ▶ Connect the USB plug of the USB charging cable to:
  - either the USB socket of the VMX 100 power supply
  - or the USB socket of the VMX 100 car charger unit (only VMX 100 3in1)
  - or a USB socket of a computer.
- ▶ Connect the power supply or the car charger unit, respectively, to the appropriate power outlet.

If the battery was completely drained, the LED ⑤ flashes red in the beginning of the charging process. During charging, the LED ⑤ lights red. When charging is complete, the LED ⑤ lights blue.



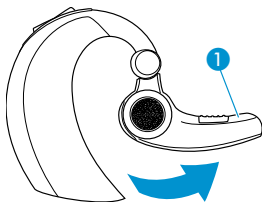
The charging process cannot be started during an ongoing call. A fully charged battery provides a talk time of up to five hours or a standby time of up to 100 hours. When the battery is about to run flat:

- The LED 5 flashes red.
- Three beeps are heard in the headset every 30 seconds.
- Less than five minutes of talk time are left.

## Switching the headset on/off

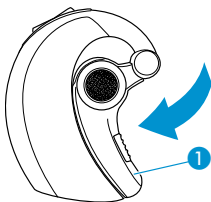
- ▶ Open the microphone boom 1. The headset is switched on. The LED 5 indicates the current operating mode:

- If the LED 5 flashes slowly in blue, the headset is already paired to a mobile phone. The headset is therefore ready to use.
- If the LED 5 flashes alternately in red and blue, the headset is not yet paired to a mobile phone. Pair it as described under "Pairing the headset to mobile phones or other Bluetooth devices" on page 16.
- If the headset is already paired to a mobile phone and if there is an incoming call on your mobile phone, the call is answered immediately by opening the microphone boom 1 without any further action.



To switch off the headset:

- ▶ Close the microphone boom **1**.  
The headset is switched off. The LED **5** stops flashing.  
All settings are saved. The battery lasts longer, if you switch off the headset when not telephoning with it.



## Pairing the headset to mobile phones or other Bluetooth devices

### Pairing to a mobile phone

To be able to use the headset, you must first pair it to your mobile phone or a similar device with a Bluetooth hands-free or headset profile. Once you have paired the headset to a mobile phone, the headset is connected automatically each time this mobile phone and the headset detect each other.

- ▶ Make sure the headset is switched on and placed close to your mobile phone.
  - If you have not yet paired the headset to a mobile phone, the headset enters the pairing mode automatically.
  - If you have already paired the headset to another mobile phone

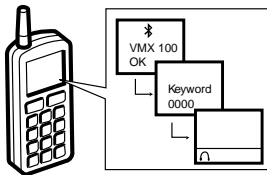




before, you have to enter the pairing mode manually by opening the microphone boom ❶ while pressing the volume button ❷ at the same time.

- The LED ❸ flashes alternatingly in red and blue to indicate that the headset is in the pairing mode.

- ▶ On your mobile phone, start a search for Bluetooth devices (see the manual of your mobile phone) and follow any instruction displayed on your mobile phone display.



- ▶ Once the headset is detected by your mobile phone, select "VMX 100". When the Bluetooth connection is successfully established, the headset is identified as "VMX 100" in the mobile phone's display.
- ▶ When your mobile phone prompts a keyword, enter four zeros (0000). If pairing was successful, the LED ❸ flashes slowly in blue. Once paired, your mobile phone will be able to transfer the call audio to the headset – either automatically or manually (please see your mobile phone's manual whether the call audio is transferred automatically or manually). Most mobile phones show a headset symbol in their display, if successfully paired.

## Pairing to other Bluetooth devices

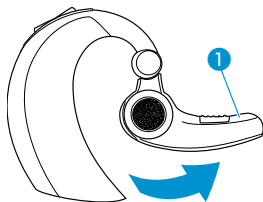
If you wish to pair the headset to other Bluetooth devices, please see the Bluetooth device's manual.

## Pairing to several mobile phones

If you wish to pair the headset to a second mobile phone, you first have to disconnect from the first mobile phone (see the manual of the first mobile phone). The headset saves up to four pairing profiles. As soon as the headset is switched on it tries to connect to the mobile phone that it was last connected to. If this mobile phone is not detected by the headset, you can manually connect it with one of the other three mobile phones (see the manual of the respective mobile phone).

## Wearing the headset

- ▶ Open the microphone boom ①. The headset is turned on. The LED ⑤ starts flashing slowly in blue.
- ▶ Put the headset on. You can wear the headset on either the left or right ear without changing it.



- ▶ Turn the microphone boom ① towards your mouth.

The speaker ③ operates in two directions so that you can wear the headset on either your left or right ear without changing it. However, the speaker is designed in a way that other people in the vicinity cannot listen in the other party and are not disturbed by the speaker.

# Operating the VMX 100

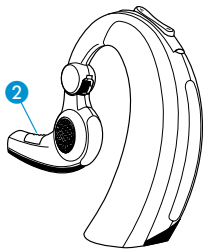
## Telephoning with the VMX 100

### Accepting an incoming call

- ▶ Make sure the headset is paired to your mobile phone (see “Pairing the headset to mobile phones or other Bluetooth devices” on page 16).

When you receive a call, you hear a ring tone in the speaker ③ and the LED ⑤ flashes blue quickly when you receive a call. To accept the call if the headset is already switched on:

- ▶ Press the hook button ② or the volume button ④.  
A beep is heard in the headset.
- ▶ Start to talk.



To accept the call if the headset is not switched on:

- ▶ Open the microphone boom ①.  
The headset is switched on and the call is answered immediately without any further action.
- ▶ Put the headset on your ear.
- ▶ Start to talk.

### Rejecting an incoming call

- ▶ Press and hold the hook button ② while the mobile phone is ringing until a beep is heard in the headset.

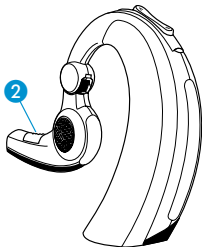
The ring tone stops. Depending on the mobile phone settings, the call is either rejected or transferred to a voice mailbox.

## Making a call

- ▶ Dial the number on your mobile phone as usual.  
If your mobile phone automatically transfers the call audio to the headset, a beep is heard in the headset.  
If your mobile phone does not automatically transfer the call audio to the headset, you must press a button on your mobile phone to transfer the call audio to the headset manually.
- ▶ Start to talk.

## Redialling

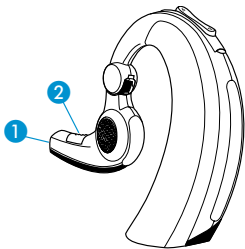
- ▶ Press and hold the hook button ② for 1.5 seconds.  
A beep is heard in the headset. The mobile phone redials the last dialed number automatically.



## Voice dialling

The voice dialling function must be supported by your mobile phone and be activated.

- ▶ Press the hook button ②.
- ▶ Say the name of the other party.  
The mobile phone dials the cor-



responding number automatically.

## Ending a call

- ▶ Press the hook button ② or close the microphone boom ① or use your mobile phone to end the call. A beep is heard in the headset. The call is ended.

## Transferring an ongoing call from the mobile phone to the headset

- ▶ Press the hook button ②. A beep is heard in the headset. The call audio is transferred to the headset.

## Transferring a call from the headset to the mobile phone

- ▶ See your mobile phone's manual on how to transfer the call audio from the headset to your mobile phone.

## If you leave the transmitting range

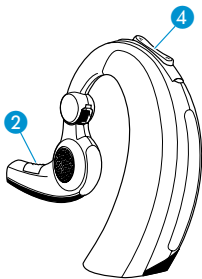
If the headset leaves the mobile phone's transmitting range during a call:

- ▶ The sound quality deteriorates before the connection finally breaks down.
- ▶ Your mobile phone might display the loss of connection.
- ▶ See the manual of your mobile phone whether or not your mobile phone ends the call automatically.

## Changing the speaker volume

- ▶ Press the volume button 4 during a call.

The speaker volume is changed by one step. The speaker volume can be adjusted in 8 steps. The factory setting is 4. When the minimum or maximum volume is reached, a beep is heard in the speaker 3.



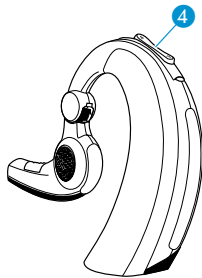
In addition, the adaptive intelligence “learns” the users preferred settings and adjusts the volume automatically.

If you close the headset, the current volume setting is saved, if set to one of the steps 1 thru 6. If the volume setting is step 7 or 8, step 6 is saved to protect your hearing.

## Changing the ring tone volume

- ▶ Press the volume button 4 while the headset is in standby mode (no active call).

The ring tone volume is changed by one step. The ring tone is played once in the set volume. The set volume is saved.

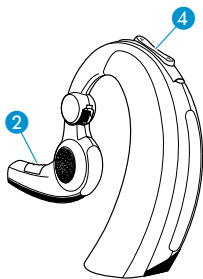


The ring tone volume can be adjusted between step 1 and 8. The factory setting is step 4.

## Muting/un-muting the headset microphone

To mute the headset microphone:

- ▶ Press and hold the hook button **2** during a conversation until a beep is heard in the headset.  
The microphone is muted. A beep is heard every 1.5 seconds in the headset.



To un-mute the headset microphone:

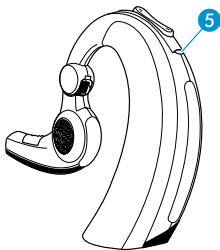
- ▶ Press the hook button **2** or press the volume button **4**.  
The beeping stops. The microphone works as usual.

## Restoring factory settings

You can restore the factory settings of speaker volume and pairing as follows:

- ▶ Set the headset to pairing mode as described under "Pairing the headset to mobile phones or other Bluetooth devices" on page 16.
- ▶ Press and hold the hook button **2** while the headset is in pairing mode until the LED **5** stops flashing.

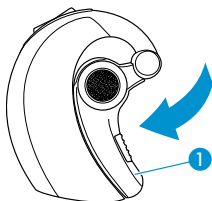
The LED **5** flashes alternately in red and blue to indicate that the headset is in the pairing mode. The headset needs to be paired again before using.



## Maintenance and care

If you do not want to use the headset for a longer time:

- ▶ Close the microphone boom ①.
- ▶ Store the headset in a clean and dry environment.



To clean the headset:

- ▶ Only clean with a dry cloth. Do not use any liquids, solvents or cleansing agents.

## Accessories

|        |                         |
|--------|-------------------------|
| 502309 | USB charging cable      |
| 502310 | Power supply EU version |
| 502311 | Power supply UK version |
| 502312 | Power supply US version |
| 502313 | Car charger unit        |
| 502314 | Carrying case           |



# Specifications

## Directional microphone system

|                  |  |
|------------------|--|
| Microphone type: | 2 electret microphones,<br>paired/balanced |
| Sensitivity:     | -36 dBV at 94 dB SPL, 1kHz                 |

## Speaker unit

|               |   |
|---------------|---|
| Speaker type: | Dynamic – bi-directional – Neodymium<br>magnet  |
| Max. output:  | 105 dB SPL<br>limited by ActiveGard™ technology |

## General

|               |   |
|---------------|---|
| Dimensions:   | 52 mm x 65 mm x 9 mm<br>(width x height x depth)                  |
| Weight:       | 15 g  |
| Power supply: | input 100–240 V AC,<br>output 5 V DC, 150 mA                      |
| Car charger:  | (only VMX 100 3in1)<br>input 12–24 V DC,<br>output 5 V DC, 150 mA |

# Manufacturer declarations

## Warranty regulations

The guarantee period for this Sennheiser product is 24 months – for the battery 6 months – from the date of purchase. Excluded are accessory items, rechargeable or disposable batteries that are delivered with the product; due to their characteristics these products have a shorter service life that is principally dependent on the individual frequency of use.

The guarantee period starts from the date of original purchase. For this reason, we recommend that the sales receipt be retained as proof of purchase. Without this proof (which is checked by the responsible Sennheiser service partner) you will not be reimbursed for any repairs that are carried out.

Depending on our choice, guarantee service comprises, free of charge, the removal of material and manufacturing defects through repair or replacement of either individual parts or the entire device. Inappropriate usage (e.g. operating faults, mechanical damages, incorrect operating voltage), wear and tear, force majeure and defects which were known at the time of purchase are excluded from guarantee claims. The guarantee is void if the product is manipulated by non-authorized persons or repair stations.

In the case of a claim under the terms of this guarantee, send the device, including accessories and sales receipt, to the responsible service partner. To minimise the risk of transport damage, we recommend that the original packaging is used. Your legal rights against the seller, resulting from the contract of sale, are not affected by this guarantee.

The guarantee can be claimed in all countries outside the U.S. provided that no national law limits our terms of guarantee.

## CE Declaration of Conformity

**CE** This equipment is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC, 89/336/EC or 73/23/EC.

Before putting the device into operation, please observe the respective country-specific regulations!

## FCC statements



### Warning!

Changes or modifications made to this equipment not expressly approved by Sennheiser Communications may void the FCC authorization to operate this equipment.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

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.

The radiated output power of the VMX 100 system is far below the FCC radio frequency exposure limits. Nevertheless, the VMX 100 system shall be used in such a manner that the potential for human contact during normal operation is minimized.

## Batteries or rechargeable batteries



The supplied batteries or rechargeable batteries can be recycled. Please dispose of them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose of exhausted batteries.

## WEEE Declaration



Your Sennheiser product was developed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol indicates that electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime.

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