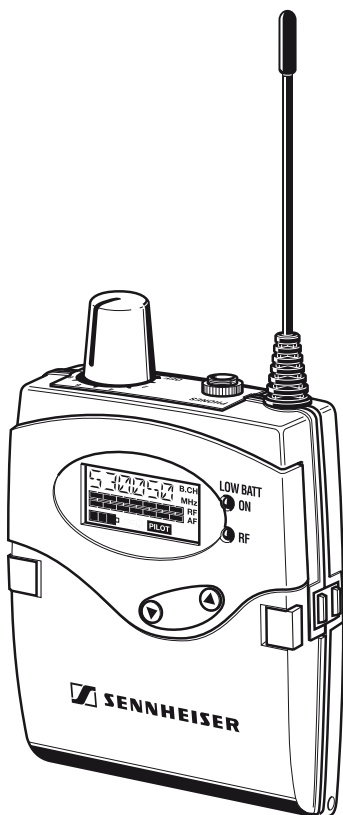


EK 3253

Instructions for use



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Thank you for choosing Sennheiser!

We have designed this product to give you reliable operation over many years. Over sixty years 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 products quickly and to the fullest.

Safety instructions

- Please read these instructions carefully and completely before using the receiver.
- Make these instructions easily accessible to all users at all times. Always include these instructions when passing the receiver on to third parties.
- Never open electronic units! If units are opened by customers in breach of this instruction, the warranty becomes null and void.
- Water entering the housing of the receiver can cause a short-circuit and damage the electronics. Protect the receiver from damp and wet. Only use a slightly damp cloth to clean the receiver.
- Follow the safety instructions on the receiver.

Attention! High volume!



This is a professional transmission system. Commercial use is subject to the safety-at-work regulations. Sennheiser, as the manufacturer, is therefore obliged to expressly point out possible health risks arising from use.

This system is capable of producing sound pressure exceeding 85 dB(A). 85 dB(A) is the sound pressure corresponding to the maximum permissible volume which is by law (in some countries) allowed to affect your hearing for the duration of a working day. It is used as a basis according to the specifications of industrial medicine. Higher volumes or longer durations can damage your hearing. At higher volumes, the duration must be shortened in order to prevent damage. The following are sure signs that you have been subjected to excessive noise for too long a time:

- You can hear ringing or whistling sounds in your ears.
- You have the impression (even for a short time only) that you can no longer hear high notes.

Intended use of the receiver

Intended use includes

- having read these instructions especially the chapter “Safety instructions”.
- using the receiver within the operating conditions as described in these instructions.

Improper use

Improper use is when you use the receiver other than described in these instructions or when you use the receiver under operating conditions different from those described in these instructions.

Delivery includes

- 1 EK 3253 bodypack receiver
- 2 batteries
- 1 pair of IE 4 earphones
- Instructions for use

EK 3253 bodypack receiver

With the wireless in-ear monitoring system, consisting of the SR 3254 or SR 3256 stereo transmitter and the EK 3253 bodypack receiver, musicians, video and sound amateurs, reporters/broadcasters, etc. can directly monitor the received sound signals without troublesome cables or monitor speakers being required. In addition, the system can also be used for any application where talkback signals are to be transmitted.

The system has superb audio quality with an increased signal-to-noise ratio and dynamic range due to the inclusion of Sennheiser's [HDX](#) noise reduction system.

The EK 3253 bodypack receiver has the following features:

- Easy to use
- FOCUS function for individual audio mix
- Pilot tone squelch control (during stereo operation)
- Receiving frequencies tunable in steps of 5 kHz
- Scan function for scanning the channel banks for free channels

The channel bank system

The EK 3253 receiver is available in five UHF frequency ranges:

Range A: 518 to 554 MHz

Range B: 626 to 662 MHz

Range C: 740 to 776 MHz

Range D: 786 to 822 MHz

Range E: 830 to 866 MHz

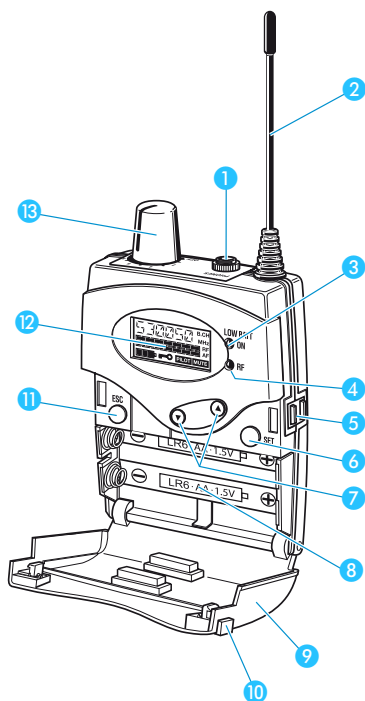
The receiver has two channel banks with up to 16 switchable channels each. The channels of the channel bank "F" (fixed bank) have been factory-preset to customer-specific receiving frequencies. These frequencies cannot be changed.

The channel bank "U" (user bank) allows you to freely select and store frequencies.

Recommended transmitters

- SR 3254/SR 3256

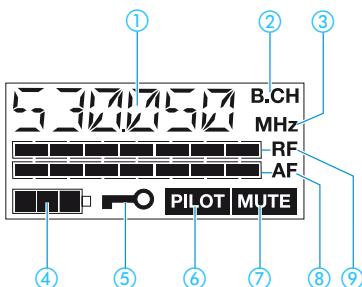
The operating controls



- 1 Headphone output (PHONES), 3.5 mm jack socket
- 2 Antenna
- 3 Red LED for operation and battery status indication (LOW BAT/ON)
- 4 Green LED for RF signal indication (RF)
- 5 Charging contacts
- 6 SET button
- 7 ▲/▼ rocker button (UP/DOWN)
- 8 Battery compartment
- 9 Battery compartment cover
- 10 Unlocking button
- 11 ESC button
- 12 LC display
- 13 On/off/volume control

Indications and displays

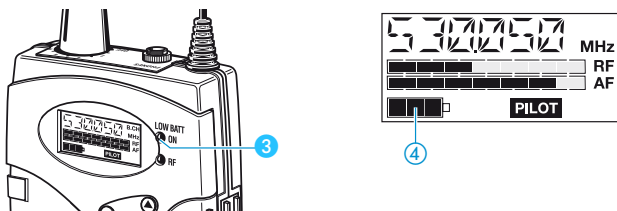
The LC display



- ① Alphanumeric display
- ② "B.CH" – appears when the channel bank and the channel number are displayed
- ③ "MHz" – appears when the frequency is displayed
- ④ 4-step battery status display
- ⑤ Lock mode icon (lock mode is activated)
- ⑥ "PILOT" display (pilot tone evaluation is activated)
- ⑦ "MUTE" display (audio output is muted)
- ⑧ 7-step level display for audio signal "AF"
- ⑨ 7-step level display for RF signal "RF"

Operation and battery status indication

The red LED (LOW BAT/ON) ③ provides information on the current operating state of the receiver:



Red LED lit up: The receiver is switched on and the capacity of the batteries/accupack is sufficient.

Red LED flashing: The batteries are/the accupack is going flat (LOW BAT)!

In addition, the 4-step battery status display ④ on the display panel provides information on the remaining battery/accupack capacity:

3 segments: capacity approx. 100 %

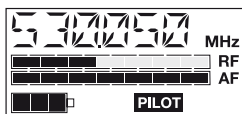
2 segments: capacity approx. 70 %

1 segment: capacity approx. 30 %

Battery icon flashing: LOW BAT

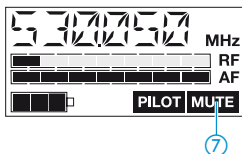
Modulation display of the received transmitter

The level display for audio signal "AF" shows the modulation of the received transmitter. When the transmitter's audio input level is excessively high, the level display for audio signal "AF" shows full deflection.



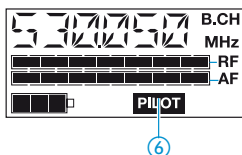
"MUTE" display

The "MUTE" display ⑦ appears on the display panel when the RF signal of the received transmitter is too weak.



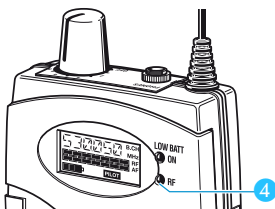
“PILOT” display

The “PILOT” display ⑥ appears on the display panel when the pilot tone evaluation is activated (see “Activating/deactivating the pilot tone evaluation – PILOT” on page 29).



RF signal indication

The level display for RF signal “RF” shows the strength of the received RF signal. In addition, the green LED (RF) ④ at the front of the receiver lights up when an RF signal is being received.



However, the green LED (RF) does not light up when the audio output is muted because

- the RF signal of the received transmitter is too weak,
- the transmitter is set to mono operation and the receiver’s pilot tone evaluation is deactivated.

Display backlighting

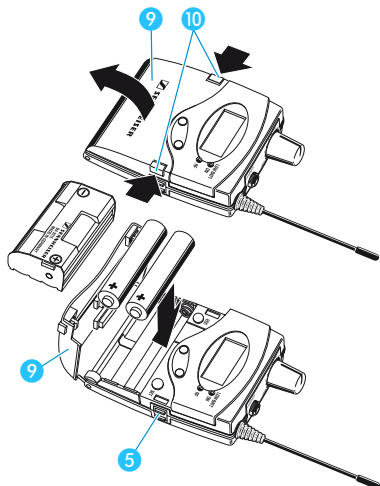
After pressing a button, the display remains backlit for approx. 10 seconds.

Preparing the receiver for use

Inserting and replacing the batteries

For powering the EK 3253 receiver, two 1.5 V AA size batteries are required.


- ▶ Press the two unlocking buttons 10 and open the battery compartment cover 9.



- ▶ Insert the two batteries as shown in the diagram above. Please observe correct polarity when inserting the batteries.
- ▶ Close the battery compartment. The battery compartment cover 9 locks into place with an audible click.

Inserting and charging the accupack

The receiver can also be powered via the rechargeable Sennheiser BA 2015 accupack. Insert the accupack into the battery compartment as described above.

The receiver has two charging contacts  and a sensing contact on its short sides. The accupack can be recharged while remaining in the receiver. Insert the receiver into the L 2015 charger (see operating manual of the L 2015 charger).

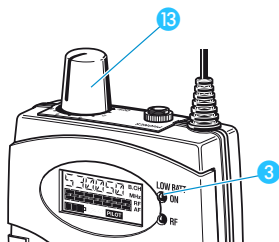
Note:

For accupack operation of the receiver, only use the BA 2015 accupack in order to ensure optimum operational reliability. Batteries and rechargeable battery cells have different discharging curves. The receiver is able to identify the BA 2015 accupack and to use its capacity to the full. Individual rechargeable battery cells will not be identified as accupacks.

Using the receiver

Switching the receiver on/off

- ▶ To switch the receiver on, turn the volume control 13 to the right until it clicks. The red LED 3 lights up.



- ▶ To switch the receiver off, turn the volume control 13 to the left until it clicks. The red LED 3 goes off.

Note:

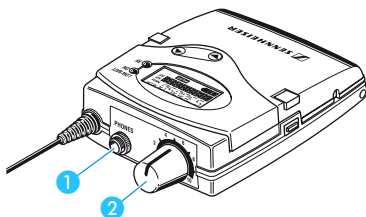
- The receiver has a short switch-on delay.
- Remove the batteries or the accupack when the receiver will not be used for extended periods of time.

Connecting the headphones

Attention! High volume!

Even short exposure to high volume levels can damage your hearing! Set the volume for the connected headphones to the minimum before putting the headphones on. Do not listen at higher volume levels than with loudspeakers.

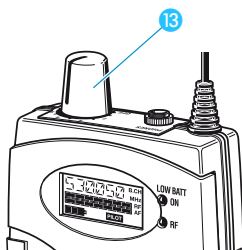
- ▶ Connect the supplied earphones or any Sennheiser stereo headphones with 3.5 mm stereo jack plug to the headphone output (PHONES) 1.



- ▶ First, set the volume control 2 to the lowest volume by turning it to the left as far as possible. Then gradually turn up the volume.

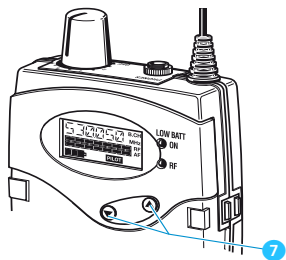
Adjusting the volume

- ▶ Use the volume control 13 to adjust the volume of the connected headphones.



Adjusting the balance/FOCUS

During stereo operation – and provided that the standard display is shown – the ▲/▼ rocker button 7 serves to adjust the balance between the left and right stereo signal.



During FOCUS operation, the ▲/▼ rocker button 7 serves to adjust the relative levels of the two separate channels in the mixed mono signal (see “Stereo/FOCUS selection – ST-FOC” on page 27).

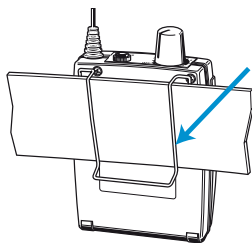
Activating/deactivating the lock mode

The receiver has a lock mode that can be activated or deactivated via the operating menu (see “Activating/deactivating the lock mode – LOCK” on page 29).

Attaching the receiver to clothing

The receiver is attached to clothing (e.g. belt, waistband) with the supplied belt clip.

The clip is detachable so that you can also attach the receiver with the antenna pointing downwards. To do so, withdraw the clip from its fixing points and attach it the other way round.



The operating menu

The buttons

Buttons	Mode	To ...
SET	Standard display	get into the operating menu
	Operating menu	get into the setting mode of the selected menu
	Setting mode	store the settings and return to the previous menu level
▲/▼	Standard display	In stereo operation: adjust the balance between the left and right stereo signal In FOCUS operation: adjust the relative levels of the two separate channels in the mixed mono signal (see "Stereo/FOCUS selection – ST-FOC" on page 27)
	Operating menu	change to the previous menu (▲) or change to the next menu (▼)
	Setting mode	adjust the setting of the selected menu: option (▲/▼)
ESC	Standard display	without function
	Operating menu	cancel the entry and return to the standard display
	Setting mode	cancel the entry and return to the standard display

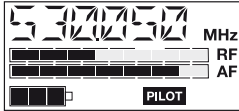
Overview of menus

Display	Function of the menu
CHAN	Selecting a channel
TUNE	Setting a receiving frequency for the channel bank "U" (user bank)
SCAN	Scanning the channel bank for free channels
SQELCH	Adjusting the squelch threshold
ST-FOC	Stereo/FOCUS selection
LTD	Limiting the volume at the headphone output
HI-BST	Activating/deactivating the frequency boost
DISPLY	Selecting the standard display
NAME	Entering a name
RESET	Loading the factory-preset default settings
PILOT	Activating/deactivating the pilot tone evaluation
LOCK	Activating/deactivating the lock mode
EXIT	Exiting the operating menu and returning to the standard display

Working with the operating menu

By way of example of the "TUNE" menu, this section describes how to use the operating menu.

After switching on the receiver, the standard display is shown on the display panel.



Getting into the operating menu

- ▶ Press the **SET** button to get from the standard display into the operating menu.

The last menu selected flashes on the display.

Selecting a menu

- ▶ Press the **▲/▼** rocker button to select a menu.



- ▶ Press the **SET** button to get into the setting mode of the selected menu. The current setting that can be adjusted flashes on the display.



Adjusting a setting

- ▶ Press the ▲/▼ rocker button to adjust the setting.
By briefly pressing the ▲/▼ rocker button, the display jumps either forwards or backwards to the next setting. In the "CHAN", "TUNE", "NAME" and "BAL/FOC" menu, the ▲/▼ rocker button features a "fast search" function. If you hold down a button, the display cycles continuously. The "fast search" function allows you to get fast and easily to your desired setting.
The new setting flashes on the display until it is stored.



Storing a setting

- ▶ Press the SET button to store the setting. "STORED" appears on the display, indicating that the setting has been stored. The display then returns to the previous menu level. With most menus, new settings become effective immediately without having to be stored. An exception is the "RESET" menu. With this menu, new settings only become effective after they have been stored ("STORED" appears on the display, indicating that the setting has been stored).

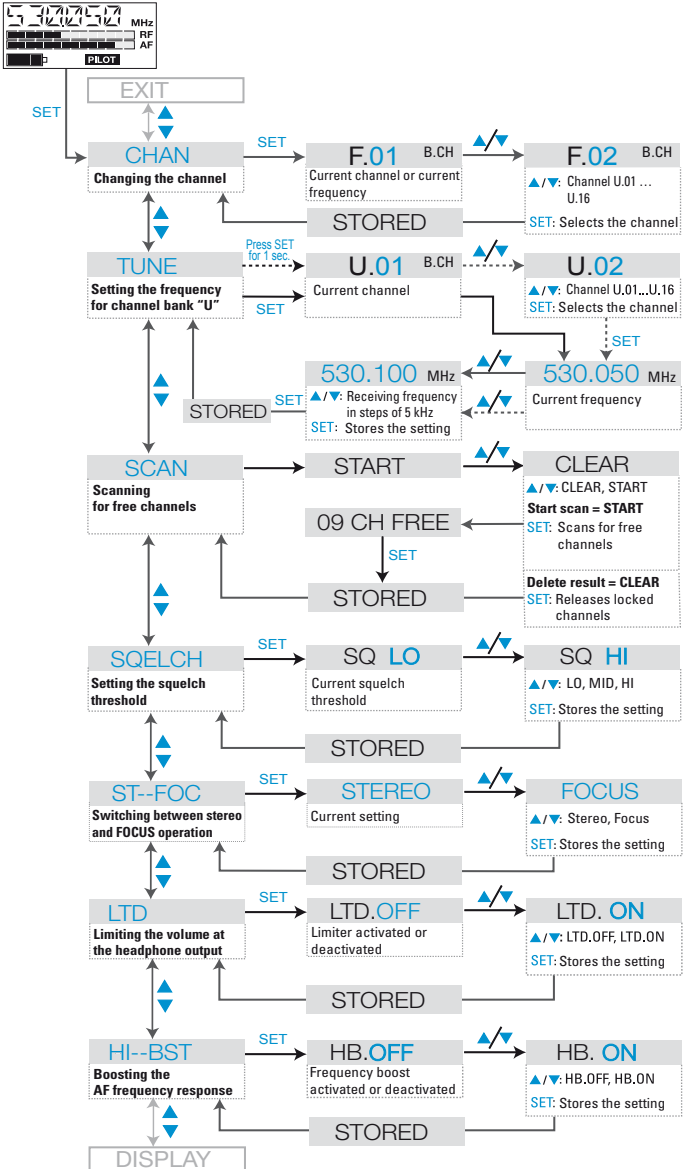


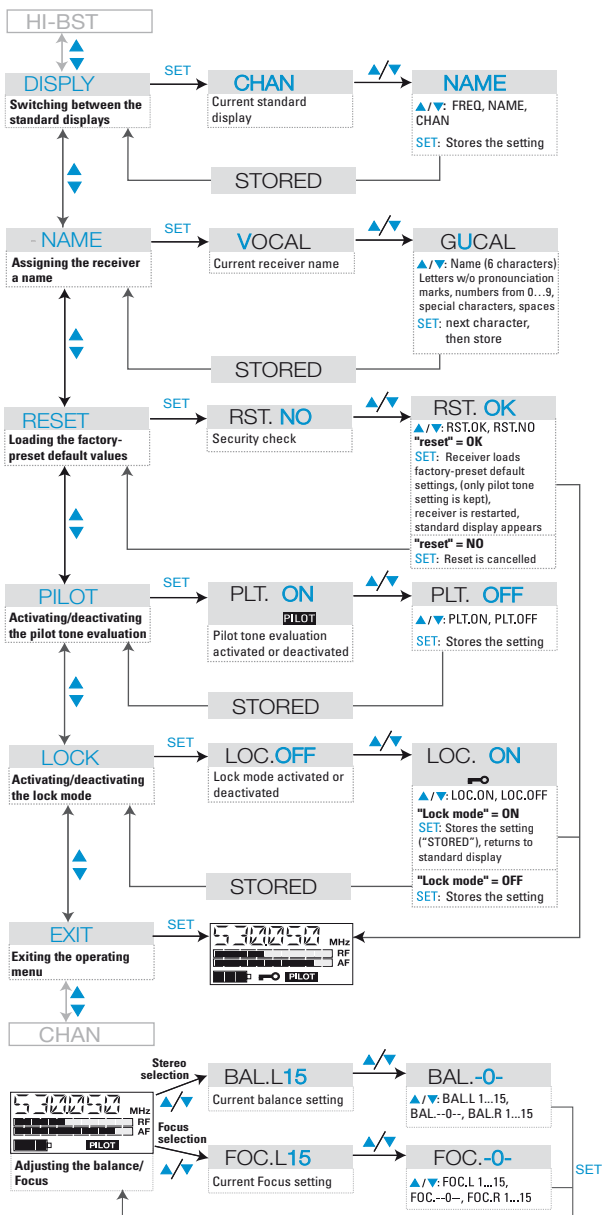
Exiting the operating menu

- ▶ Select the "EXIT" menu to exit the operating menu and to return to the standard display.



The operating menu of the receiver





Adjustment tips for the operating menu

Selecting a channel – CHAN

Via the “CHAN” menu, you can switch between the channels in the channel banks “F” (fixed bank) or “U” (user bank). The channel bank “F” has up to 16 switchable channels that are factory-preset to customer-specific receiving frequencies. These frequencies cannot be changed.

The channel bank “U” also has up to 16 switchable channels to store frequencies that are freely selectable within the preset frequency range.

Always set the transmitter and the receiver of a transmission link to the same channel. After scanning the channel bank (see “Scanning the channel bank for free channels – SCAN” on page 25), only the free channels are displayed. Set the transmitter to one of the free channels.

Selecting the frequencies to be stored in the channel bank “U” – TUNE

Via the “TUNE” menu, you can freely select the frequencies to be stored in the channel bank “U” (user bank).

- ▶ Press the SET button to get into the setting mode of the “TUNE” menu.

Note:

When pressing the SET button for one second, you can use the ▲/▼ rocker button to select a different channel for which you can then change the frequency.

When you have selected the channel bank “F” and then select the “TUNE” menu, the receiver automatically switches to channel 01 of the channel bank “U”

- ▶ Press the ▲/▼ rocker button to select the desired receiving frequency. Receiving frequencies are tunable in 5-kHz steps within a switching bandwidth of 36 MHz max.

- ▶ Press the **SET** button to confirm your selection. The receiver changes immediately to the new frequency.

Scanning the channel bank for free channels – **SCAN**

Before putting one or several transmission links into operation, you should scan the channel bank for free channels.

Starting the scan and storing the scan result

- ▶ Before starting the scan, switch all transmitters of your system off, since channels used by switched-on transmitters will not be displayed as “free channels”.
- ▶ Select the “**SCAN**” menu.
- ▶ Select “**START**” and confirm your selection by pressing the **SET** button. After the scan is completed, the number of free channels is displayed. Pressing the **SET** button once more will store the scan result and lock all channels that are used or subject to interference.

Releasing locked channels

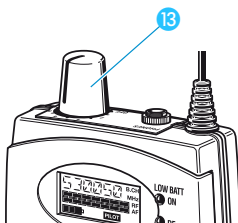
- ▶ Select the “**SCAN**” menu.
- ▶ Select “**CLEAR**” and confirm your selection by pressing the **SET** button. All channels can now be selected again.

Adjusting the squelch threshold – **SQELCH**

The receiver is equipped with a squelch that can be adjusted via the “**SQELCH**” menu (see “Squelch” on page 34). The squelch eliminates annoying noise when the transmitter is switched off. It also suppresses sudden noise when there is no longer sufficient transmitter power received by the receiver.

Note:

Before adjusting the squelch threshold to a different setting, use the volume control 13 to set the volume for the connected headphones to the minimum.



There are three possible squelch setting:

- LO = low
- MID = middle
- HI = high

CAUTION!



High volume levels can damage your hearing!

When in the setting mode of the "SQELCH" menu, pressing the ▼ button for more than three seconds will switch off the squelch. "SQ.OFF" appears on the display. If no RF signal is being received, hissing noise will occur.

- ▶ This setting is for test purposes only and must only be used by service technicians.

Selecting the setting "LO" reduces the squelch threshold, selecting the setting "HI" increases the squelch threshold. Adjust the squelch threshold – with the transmitter switched off – to the lowest possible setting that suppresses hissing noise.

Important note:

- If the squelch threshold is adjusted too high, the transmission range will be reduced. Therefore, always adjust the squelch threshold to the lowest possible setting.

Stereo/FOCUS selection – ST-FOC

Via the “ST-FOC” menu, you can switch between stereo and FOCUS operation.

In both operating modes, the corresponding transmitter has to be set to stereo operation.

When the receiver is set to stereo operation, the left-right signals are available as usual.

When the receiver is set to FOCUS operation, the left-right signals are mixed and are available as a mono signal in both headphone channels. With the ▲/▼ rocker button you can adjust the relative levels of the two separate channels in the mixed mono signal (see “Adjusting the balance/FOCUS” on page 17).

Limiting the volume at the headphone output – LTD

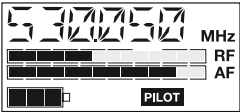
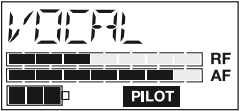
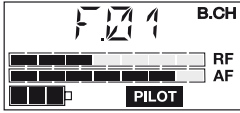
Via the “LTD” menu, you can switch the limiter on or off. With the limiter switched on, the volume at the headphone output will be reduced.

Activating/deactivating the frequency boost – HI-BST

Via the “HI-BST” menu, you can boost the AF frequency response at 10 kHz by approx. 6 dB. As a result, headphones with magnetic transducers sound better.

Selecting the standard display – **DISPLY**

Via the “**DISPLY**” menu, you can select the standard display:

Selectable standard display	Contents of standard display
“ FREQ ”	
“ NAME ”	
“ CHAN ”	

Entering a name – **NAME**

Via the “**NAME**” menu, you can enter a freely selectable name for the receiver. You can, for example, enter the name of the performer for whom the adjustments have been made.

This name can be displayed on the standard display and can consist of up to six characters such as:

- letters (without pronunciation marks),
- numbers from 0 to 9,
- special characters and spaces.

To enter a name, proceed as follows:

- ▶ Press the **SET** button to get into the setting mode of the “**NAME**” menu. The first segment starts flashing on the display.
- ▶ With the **▲/▼** rocker button you can now select a character. By briefly pressing a button, the display jumps either forwards or backwards to the next character. If you hold down a button, the display starts cycling continuously.

- ▶ Press the **SET** button to change to the next segment and select the next character.
- ▶ Have you entered the name completely? Press the **SET** button to store your setting and to return to the previous menu level.

Loading the factory-preset default settings – **RESET**

Via the “**RESET**” menu, you can load the factory-preset default settings. Only the selected setting for the pilot tone remains unchanged. After the reset, the receiver is restarted and the standard display is shown on the display panel.

Activating/deactivating the pilot tone evaluation – **PILOT**

Via the “**PILOT**” menu, you can activate or deactivate the pilot tone evaluation.

The pilot tone has two functions:

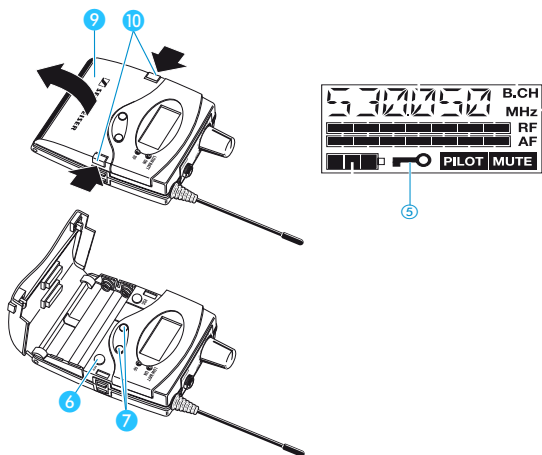
- Stereo identification
- Squelch control

When used with a suitable transmitter which adds a pilot tone to the transmitted stereo signal, the receiver can evaluate this pilot tone. When the transmitter is set to mono operation, you have to deactivate the pilot tone evaluation on the receiver.

Activating/deactivating the lock mode – **LOCK**

Via the “**LOCK**” menu, you can activate or deactivate the lock mode.

The lock mode prevents that the receiver is accidentally programmed during operation. However, the volume can be adjusted at any time.



- ▶ Press the two unlocking buttons 10 and open the battery compartment cover 9.
- ▶ Press the SET button 6. "LOC.ON" and the lock mode icon appear on the display.
- ▶ Press the ▲/▼ rocker button 7. "LOC.OFF" flashes on the display.
- ▶ Confirm your selection by pressing the SET button 6. "STORED" appears on the display and the lock mode is deactivated.

Exiting the operating menu – EXIT

Via the "EXIT" menu, you can exit the operating menu and return to the standard display.

If problems occur ...

Error checklist

Problem	Possible cause	Possible solution
No operation indication	Batteries are flat or accupack is flat	Replace the batteries or recharge the accupack
No RF signal	Transmitter and receiver are not on the same channel	Set transmitter and receiver to the same channel
	Transmitter is out of range	Check the squelch threshold setting or change the position of the transmitting antenna
RF signal available, no audio signal, "MUTE" display appears on the display panel	Receiver's squelch threshold is adjusted too high	See "Adjusting the squelch threshold – SQUELCH" on page 25
	Transmitter does not transmit a pilot tone	Set the transmitter to stereo operation or deactivate the pilot tone evaluation on the receiver
No access to a certain channel	During scanning, an RF signal has been detected on this channel and the channel has been locked	See "Scanning the channel bank for free channels – SCAN" on page 25

If problems occur that are not listed in the above table or if the problems cannot be solved with the proposed solutions, please contact your local Sennheiser agent for assistance.

Recommendations and tips

... for the receiver

- The antenna must not be in direct contact with the body.

... for optimum reception

- Reception range depends to a large extent on location. There should be a "free line of sight" between transmitting and receiving antennas.
- To avoid overmodulating the receiver, observe a minimum distance of 5 m between transmitting and receiving antennas.

... for multi-channel operation

- When operating a multi-channel system, make sure to only use intermodulation-free frequencies.

Maintenance and care

CAUTION!



Water can damage the electronics of the receiver!

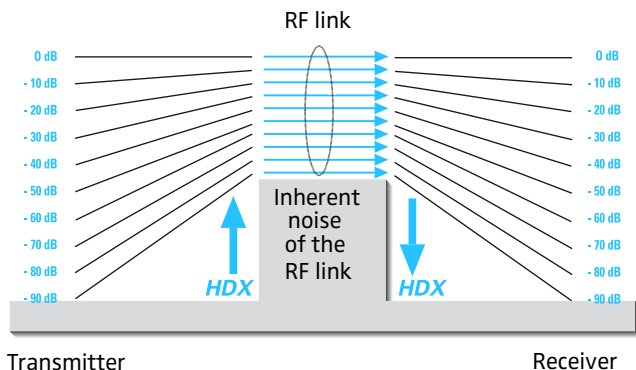
Water entering the housing of the receiver can cause a short-circuit and damage the electronics.

- ▶ Only use a slightly damp cloth to clean the receiver.

-
- ▶ If necessary, you can clean the receiver with a slightly damp cloth. Do not use any cleansing agents or solvents.

Additional information

HDX noise reduction



Progress you can hear:

The product family is equipped with **HDX**, the Sennheiser noise reduction system that reduces RF interference. It increases the signal-to-noise ratio in wireless audio transmission to more than 90 dB.

HDX is a wideband compander system which compresses the audio signal in the transmitter in a 2:1 ratio (related to dB) to lift it above the inherent noise floor of the RF link. In the receiver the signal is expanded in an identical and opposite way in a 1:2 ratio to restore the original signal, at the same time reducing the RF noise to below the noise floor of the receiver.

HDX has been specially developed for high quality radio microphone systems.

Note:

Only transmitters and receivers that are equipped with **HDX** can work correctly with each other. If non **HDX** equipment was mixed with **HDX**, the dynamic range would be drastically reduced and the transmission would sound blunt and flat.

Squelch

Pilot tone squelch

When set to stereo operation, the transmitter adds a 19-kHz pilot tone to the audio signal. The receiver checks incoming audio signals to see if the pilot tone is present. In the absence of the 19-kHz signal, the receiver's audio output will remain muted, even if a strong RF signal is present.

This prevents strong interfering signals from causing hissing noise in the receiver when the transmitter is switched off.

Field strength-dependent squelch

Depending on the strength of the received RF signal, the receiver's audio output is opened or muted. Via the "SQELCH" menu of the receiver, the squelch threshold can be adjusted in three steps (LO, MID, HI).

Specifications

EK 3253 bodypack receiver

RF characteristics

Modulation	FM stereo
Frequency ranges	518–554, 626–662, 740–776, 786–822, 830–866 MHz
Receiving frequencies	1 channel bank with up to 16 factory-preset channels 1 channel bank with up to 16 freely selectable channels (frequencies tunable in steps of 5 kHz)
Switching bandwidth	36 MHz
Nominal/peak deviation	± 24 kHz / ± 48 kHz
Pilot tone (frequency/deviation)	19 kHz / ± 5 kHz
Frequency stability	$\leq \pm 20$ ppm (-10 to +55°C)
Sensitivity (with HDX , peak deviation)	typ. 1.5 μ V at 52 dBA _{rms S/N}
Adjacent channel rejection	typ. 75 dB
Intermodulation attenuation	typ. 75 dB
Blocking	typ. 90 dB
Squelch	4 steps: OFF LO: 5 dB μ V MID: 15 dB μ V HI: 25 dB μ V

AF characteristics

Noise reduction system	Sennheiser HDX
AF frequency response	40–15,000 Hz
Signal-to-noise ratio (1 mV, peak deviation)	≥ 91 dB(A)
THD (at nom. deviation, 1 kHz)	≤ 0.9 %
Headphone output	3.5 mm jack socket

AF output power (at peak deviation, 1 kHz _{AF}) PHONES	2 x 100 mW at 32 Ω
Overall unit	
Temperature range	-10 °C to +55 °C
Power supply	2 AA size batteries, 1.5 V
Nominal voltage	2.4 V
Power consumption	approx. 190 mA
Power consumption with switched-off receiver	≤250 μA
Operating time (with batteries)	6–10 hrs (depending on volume)
Operating time (with BA 2015 accupack)	6–10 hrs (depending on volume)
Dimensions in mm	82 x 64 x 24
Weight (incl. batteries)	approx. 200 g
Type approval	Canada: RSS-123 IC: 2099A-SREK3K EU: ETSI EN 300 454-1/-2

IE 4 earphones

Frequency response	40–20,000 Hz
Max. sound pressure level	118 dB SPL
Impedance	32 Ω

Connector assignment

3.5 mm jack plug
for headphone output



Accessories

- IE 4:** Earphones
- IES 4:** 1 pair of ear sleeves for IE 4 earphones
- BA 2015:** Accupack
- L 2015:** Charger for BA 2015 accupack

Warranty regulations

The guarantee period for this Sennheiser product is 24 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.

EC Declaration of Conformity

CE 0682 

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. The declaration is available on the internet site at www.sennheiser.com.

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



Sennheiser electronic GmbH & Co. KG
30900 Wedemark, Germany
Phone +49 (5130) 600 0
Fax +49 (5130) 600 300
www.sennheiser.com

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