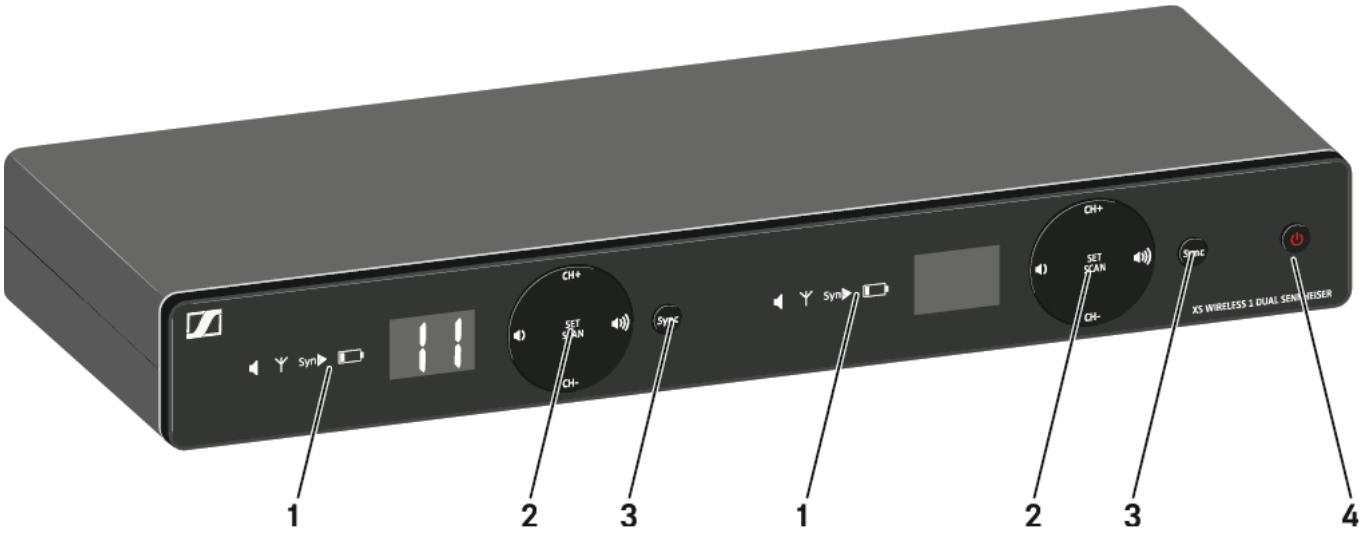
EM-XSW 1 DUAL rack receiver

Connectors and controls

The EM-XSW 1 DUAL two-channel receiver is essentially two individual EM-XSW 1 receivers in one housing.

Each of the two receiver channels has separate connectors and setting options.

Front



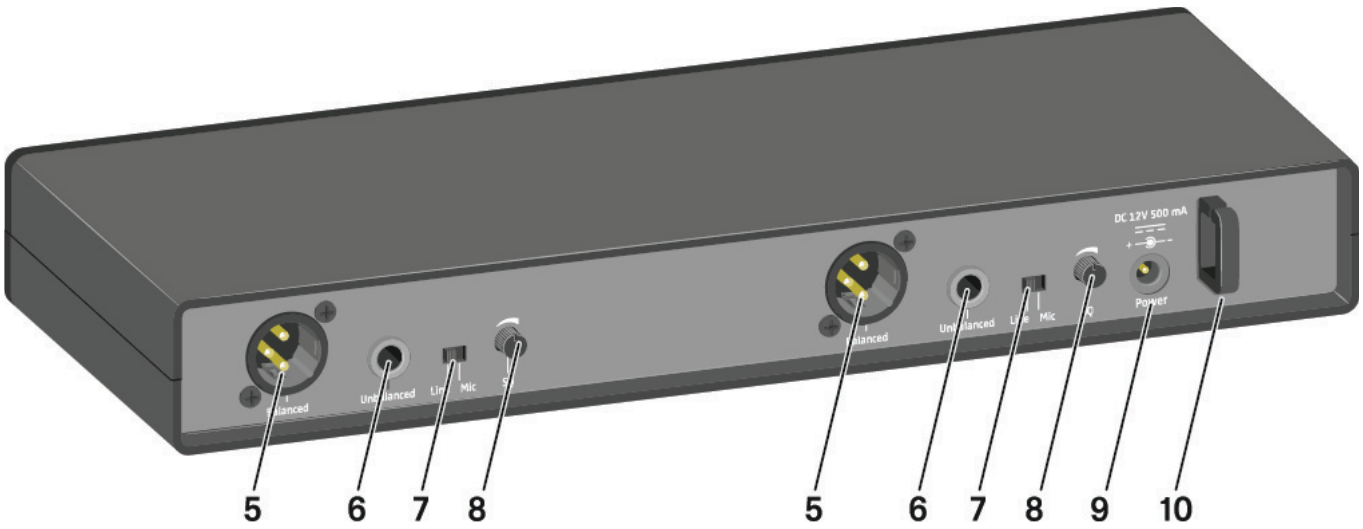
1 Display for status information
- For each of the two channels
- See „Information on the receiver's display“

2 Control buttons for selecting channels and adjusting volume
- For each of the two channels
- See „Setting options on the front of the device“

3 **SYNC** button for synchronizing the transmitter and receiver
- For each of the two channels
- See „Establishing a radio link | Synchronizing the receiver and transmitter“

4 **ON**/**OFF** button for switching the device on and off
- See „Switching the receiver on and off“

Back



5 XLR-3 socket for **Balanced** audio output
- For each of the two channels
- See „Outputting audio signals“

6 6.3 mm jack socket for **Unbalanced** audio output
- For each of the two channels
- See „Outputting audio signals“

7 **Line/Mic** switch for selecting the signal type
- For each of the two channels
- See „Setting options on the rear of the device“
- See „Outputting audio signals“

8 SQ control knob for adjusting the squelch value
- For each of the two channels
- See „Setting options on the rear of the device“

9 **Power** connection socket for the power supply unit
- See „Connecting/disconnecting the receiver to/from the power supply system“

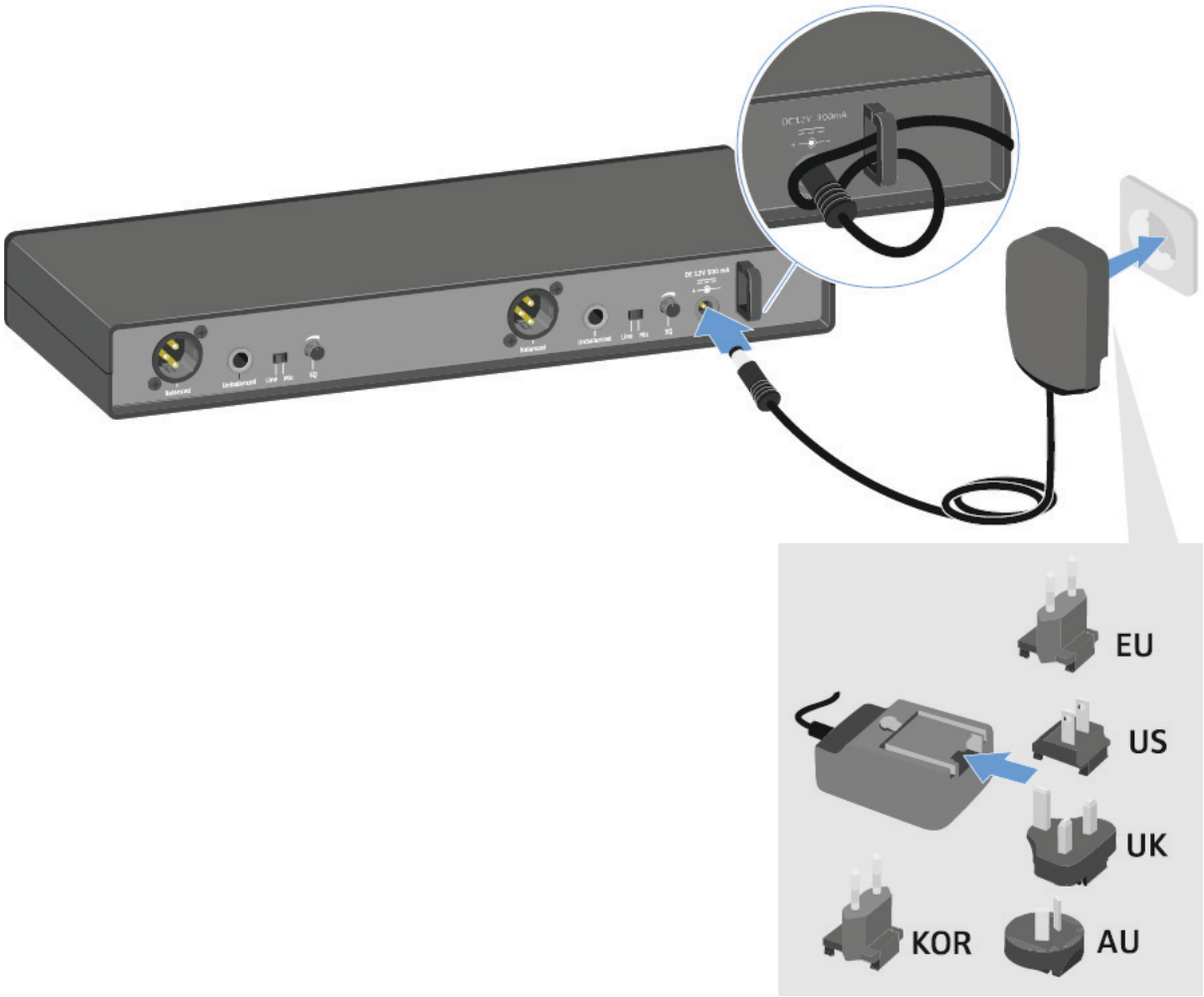
10 Strain relief for the connection cable of the power supply unit
- See „Connecting/disconnecting the receiver to/from the power supply system“

Connecting/disconnecting the receiver to/ from the power supply system

Only use the supplied power supply unit. It is designed for your receiver and ensures safe operation.

To connect the receiver to the power supply system:

- ▹ Pass the cable of the power supply unit through the strain relief.
- ▹ Insert the plug of the power supply unit into the **Power** socket on the receiver.
- ▹ Slide the supplied country adapter onto the power supply unit.
- ▹ Plug the power supply unit into the wall socket.



To completely disconnect the receiver from the power supply system:

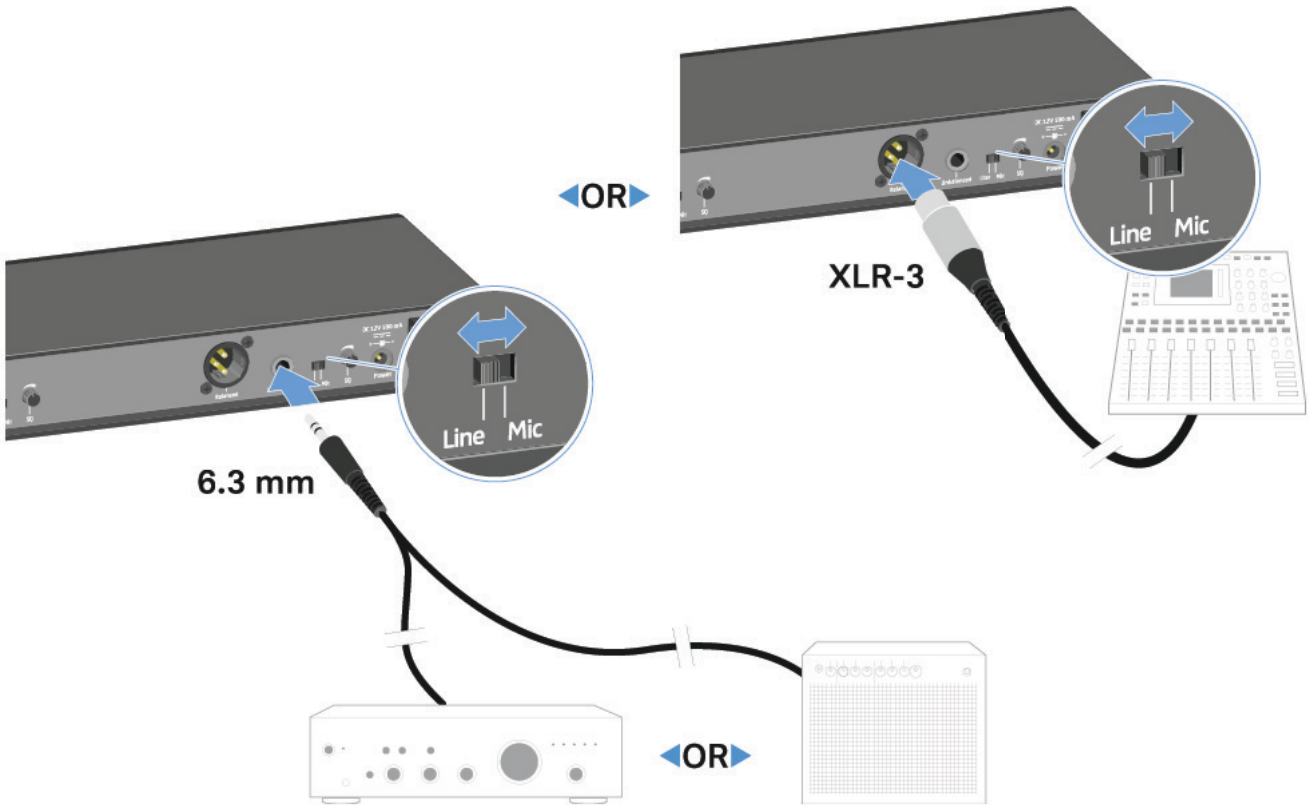
- ▹ Unplug the power supply unit from the wall socket.
- ▹ Unplug the power supply unit from the **Power** socket on the receiver.

Outputting audio signals

Each of the two channels on the EM-XSW1 DUAL has both a balanced XLR-3M output socket and an unbalanced 6.3 mm (1/4") jack output socket.

The EM-XSW 1 has a balanced XLR-3M output socket and an unbalanced 6.3 mm jack output socket.

▹ Always use only one of the two output sockets for each channel.



To connect an XLR cable:

▹ Plug the XLR cable into the **Balanced** socket for the respective channel on the EM-XSW 1 DUAL.

To connect a jack cable:

▹ Plug the jack cable into the **Unbalanced** socket for the respective channel on the EM-XSW 1 DUAL.

▹ Set the **Line/Mic** switch to the desired position for each of the two channels.

- **Line**: when using instruments or other line sources with the SK-XSW bodypack transmitter
- **Mic**: when using the SKM 825/835-XSW handheld transmitter or a microphone with the SK-XSW bodypack transmitter

Switching the receiver on and off

To switch the receiver on:

▹ Short-press the **ON/OFF** button.
The receiver switches on.

To switch the receiver to standby mode:

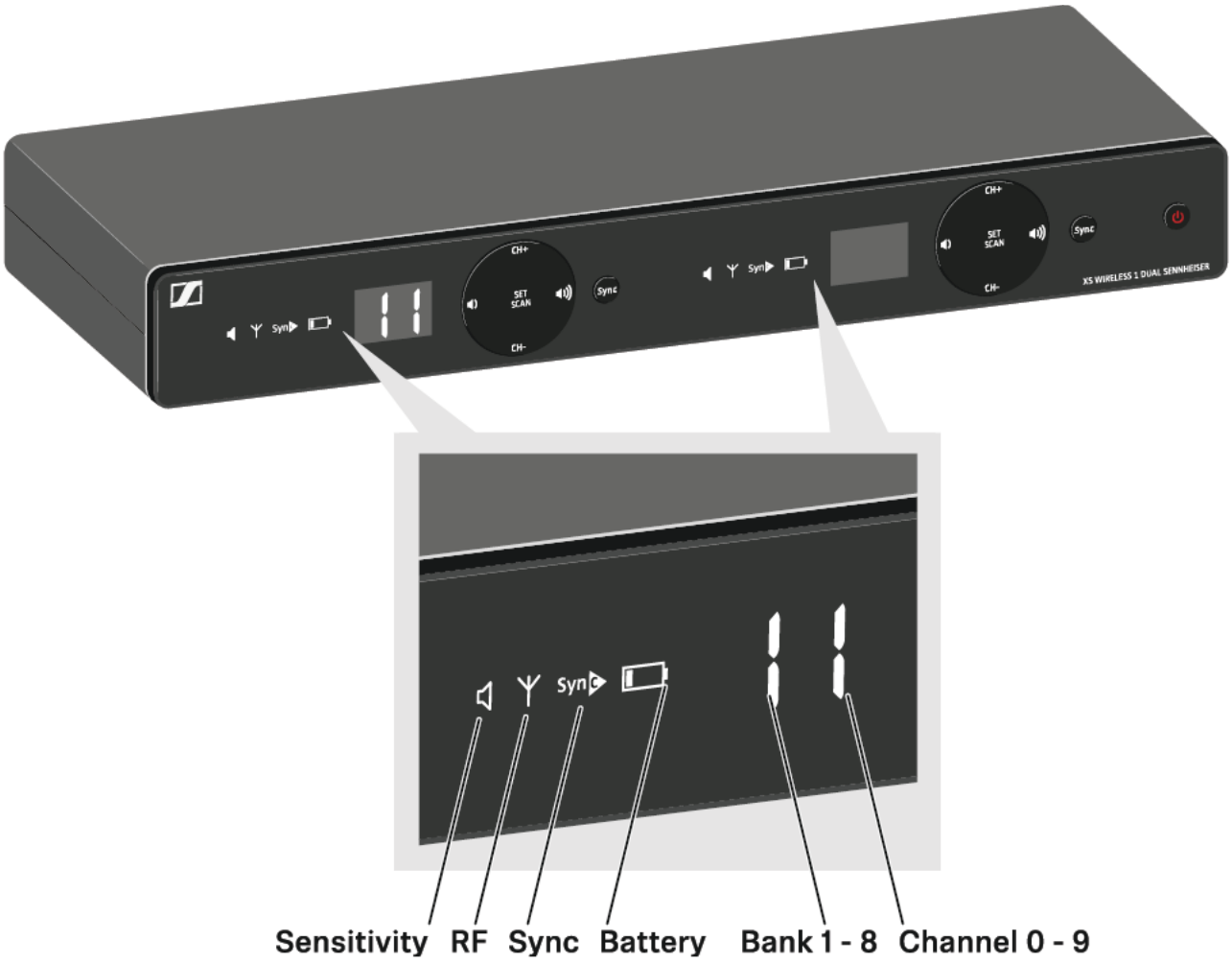
▹ Hold down the **ON/OFF** button until the display switches off.

To switch the receiver off completely:

▹ Disconnect the receiver from the power supply system by unplugging the power supply unit from the wall socket.

Information on the receiver's display

Status information such as frequency, reception quality, battery status and audio level is shown on the display for each of the two channels.



Sensitivity:

Indicates the sensitivity of the connected transmitter

- SKM: „Setting the input sensitivity“
- SK: „Setting the input sensitivity“

RF:

If the antenna symbol is displayed, the radio link is active.

- „Establishing a radio link | Synchronizing the receiver and transmitter“

Sync: „Establishing a radio link | Synchronizing the receiver and transmitter“

Battery:

Battery status of the connected transmitter

- SKM: „Inserting and removing the batteries“
- SK: „Inserting and removing the batteries“

Bank/Channel:

Frequency bank and channel of the radio link

- „Setting options on the front of the device“

Setting options on the front of the device

Navigation buttons

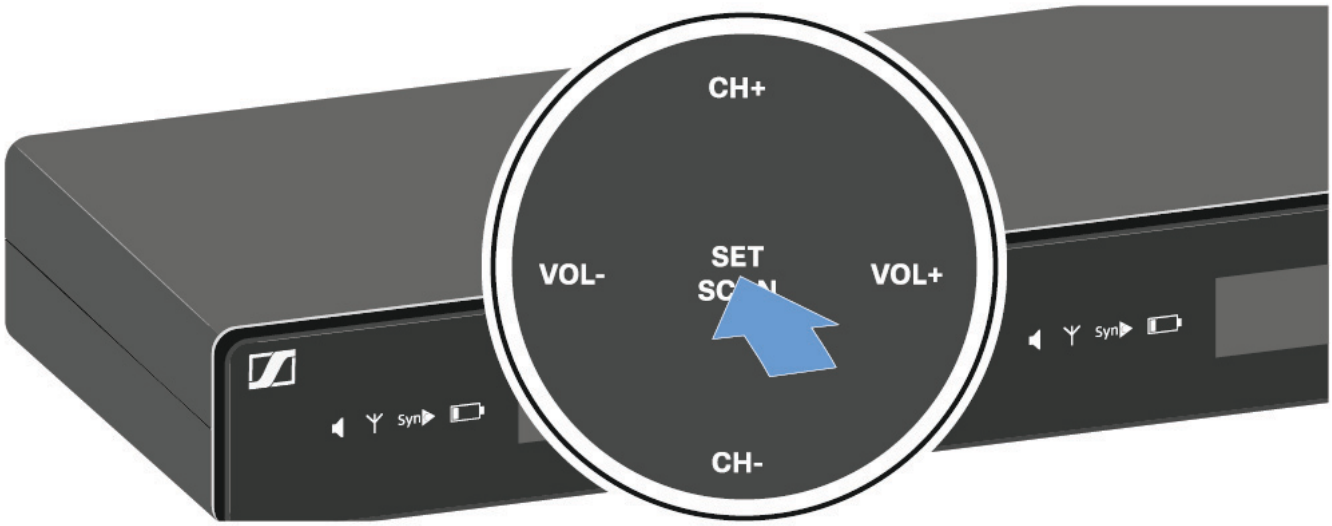
Use the following buttons to navigate through the receiver's settings.

Setting the frequency automatically (AUTO SCAN)

Performs an automatic frequency scan of your area. This enables you to easily find and assign free radio frequencies.

▹ Switch off all transmitters before you perform the scan. If transmitters are still switched on, they are detected as unavailable frequencies and the frequencies that are actually available cannot then be used.

▹ Press the **SET/SCAN** button for approx. 3 seconds.



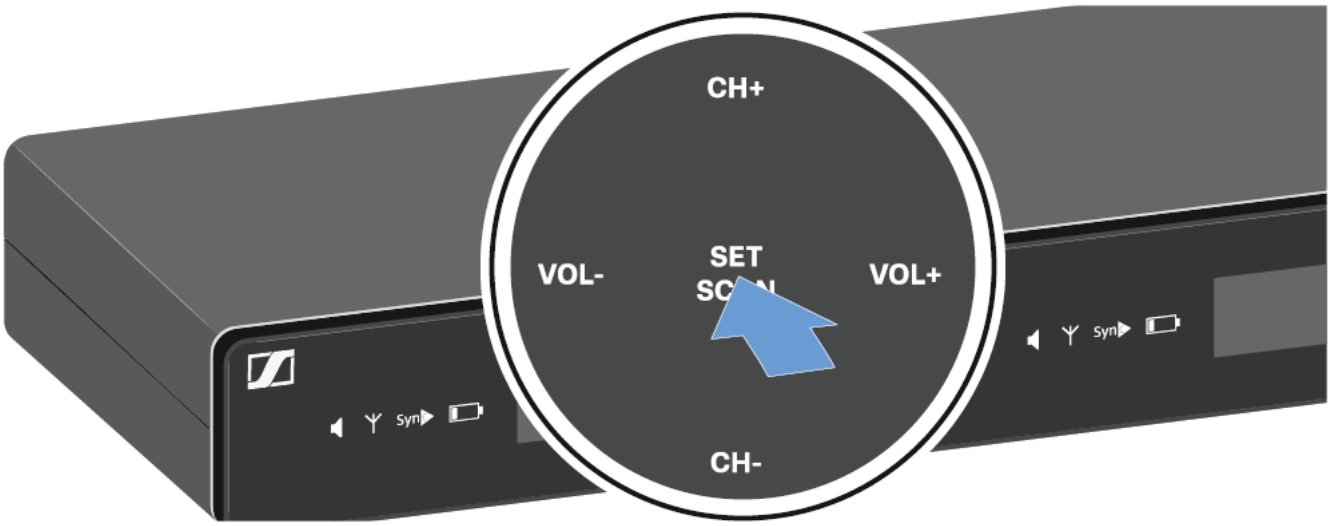
The scan starts automatically. An open channel is then shown in the display (e.g. bank 2, channel 3).

▹ Press the **SET/SCAN** button to accept the displayed channel.

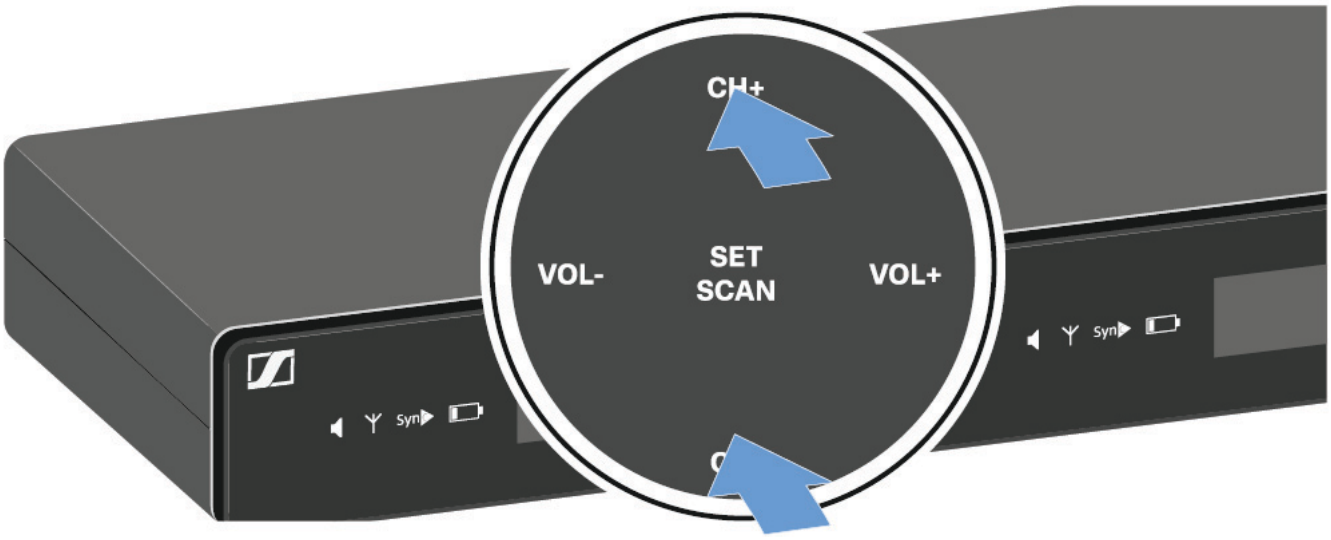
If you have set a new frequency, you must still **synchronize** the **receiver** with the **transmitter** to establish the radio link (see „Establishing a radio link | Synchronizing the receiver and transmitter“).

Setting the frequency manually

▹ Press the **SET/SCAN** button.



▹ Press the **CH+**/**CH-** buttons to select a frequency bank (1 to 8).



▹ Press the **SET/SCAN** button to accept the selected frequency bank.

▹ Press the **CH+**/**CH-** buttons to select a channel (0 to 9) in the selected frequency bank.

The selected bank and channel are shown in the display (e.g. bank 2, channel 3).

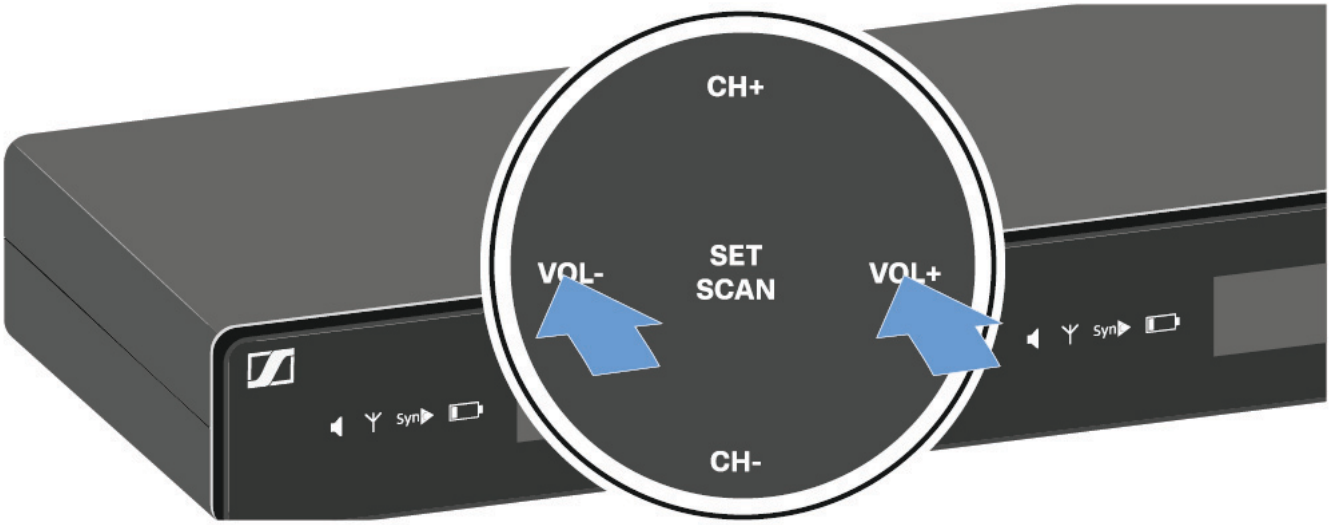
▹ Press the **SET/SCAN** button to accept the selected channel.

If you have set a new frequency, you must still **synchronize** the **receiver** with the **transmitter** to establish the radio link (see „Establishing a radio link | Synchronizing the receiver and transmitter“).

Adjusting the volume of the audio outputs

Use the **VOL+**/**VOL-** buttons to set the level of the audio signal coming from the receiver's audio outputs (**Balanced/Unbalanced**). This audio signal can be output to a mixing console or an amplifier, for example.

▹ Press the **VOL+**/**VOL-** buttons to adjust the volume.



▹ Make sure that the signal in the next device in the signal chain (e.g. mixing console, power amplifier, guitar amplifier, etc.) is not overdriven.

Setting options on the rear of the device

Selecting the signal type (Mic/Line)

▹ Set the **Line/Mic** switch to the desired position for each of the two channels.
- **Line**: when using instruments or other line sources with the SK-XSW bodypack transmitter
- **Mic**: when using the SKM-XSW handheld transmitter or a microphone with the SK-XSW bodypack transmitter

Setting the squelch

The squelch function can be used to suppress disturbing noise during transmission, such as hiss. If the signal level is below the squelch threshold, the signal is muted.

If the squelch threshold is set very high, this will shorten the radio range.

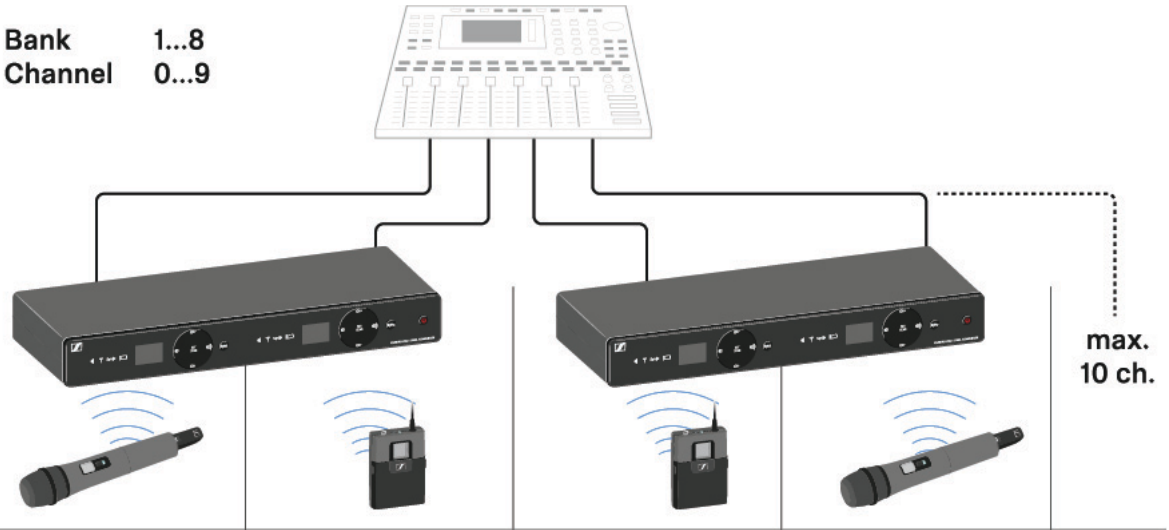
▹ Turn the control knob to the left or right to adjust the squelch.

Configuring a multi-channel system

Please note when creating multi-channel systems:

Only the factory-preset transmission frequencies within one frequency bank are intermodulation-free.

- ▹ Set the same channel bank for all receivers.
- ▹ Assign one channel from this channel bank to each receiver.



Bank	Channel	Bank	Channel	Bank	Channel	Bank	Channel	
2	3	2	4	2	5	2	6	✔
1	1	1	2	1	3	1	8	✔
2	3	1	3	4	7	8	9	✘
2	3	2	3	2	3	2	3	✘

We recommend using the **AUTO SCAN** function, as this is the most reliable way to identify free frequencies (see „Setting the frequency automatically (AUTO SCAN)“).

If you know free frequencies in your area, you can also set the frequency manually (see „Setting the frequency manually“).