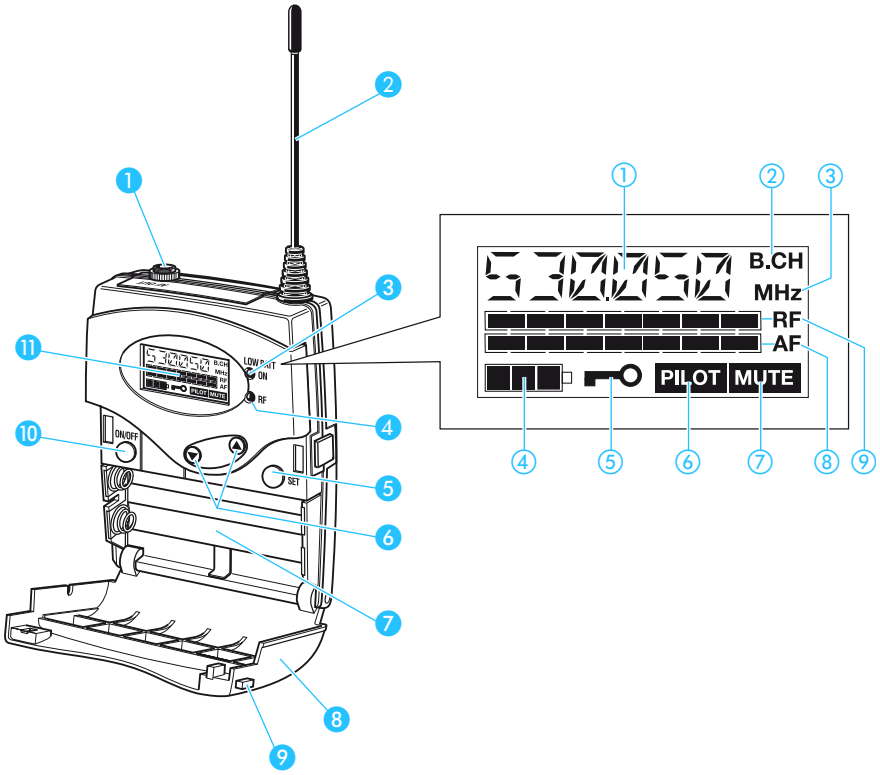
EK 100 G2 bodypack receiver



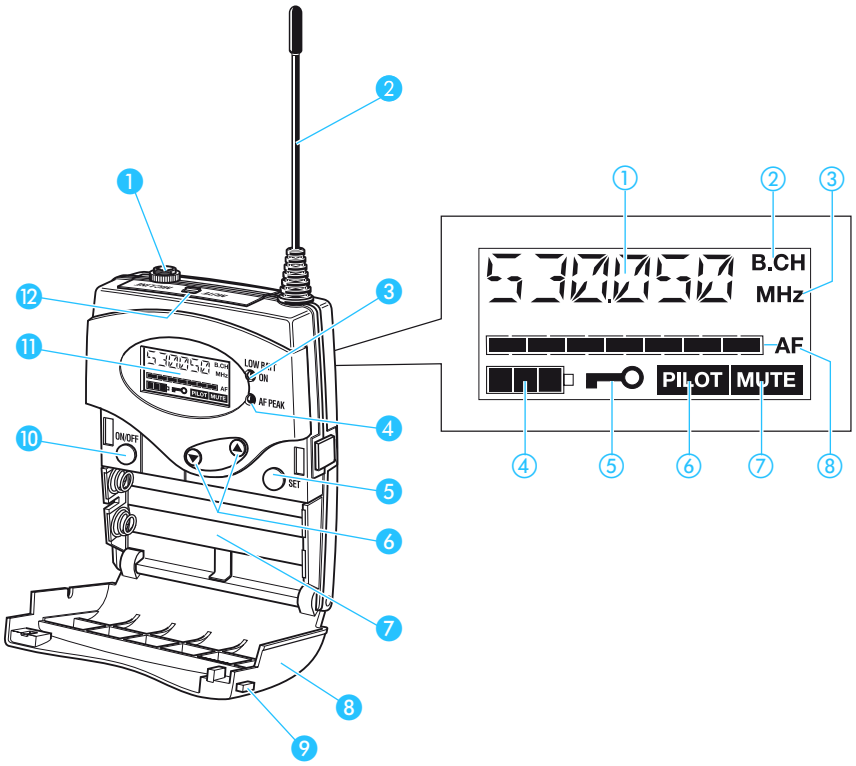
Operating controls

1. Audio output (AF OUT), 3.5 mm jack socket (unbalanced)
2. Antenna
3. Red LED for operation and battery status indication (ON/LOW BAT)
4. Green LED for RF signal indication (RF)
5. SET button
6. ▼/▲ rocker button (DOWN/UP)
7. Battery compartment
8. Battery compartment cover
9. Unlocking button
10. ON/OFF button (serves as the ESC (cancel) key in the operating menu)
11. LC display

LC display panel

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 received audio signal "AF"
⑨ 7-step level display for received RF signal "RF"

SK 100 G2 bodypack transmitter



Operating controls

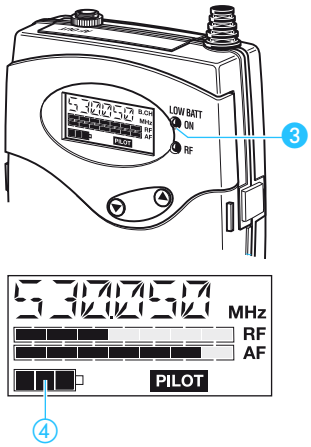
1. Microphone/line input (MIC/LINE), 3.5 mm jack socket
2. Antenna
3. Red LED for operation and battery status indication (ON/LOW BAT)
4. Yellow LED for audio peak (AF PEAK)
5. SET button
6. ▼/▲ rocker button (DOWN/UP)
7. Battery compartment
8. Battery compartment cover
9. Unlocking button
10. ON/OFF button (serves as the ESC (cancel) key in the operating menu)
11. LC display
12. MUTE switch

LC display panel

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 transmission is activated)
⑦ "MUTE" display (audio input is muted)
⑧ 7-step level display for audio signal "AF"

Indications and displays on the receivers

Operation and battery status indication (EK 100 G2 only)



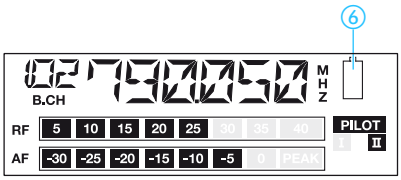
The red LED (LOW BAT/ON) 3 provides information on the current operating state of the EK 100 G2:

Red LED lit up:	The receiver is switched on and the capacity of the batteries/accupack BA 2015 is sufficient.
Red LED flashing:	The batteries are/the accupack BA 2015 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 BA 2015 capacity:

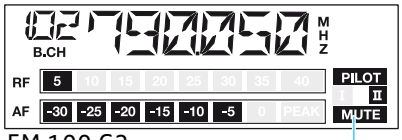
3 segments:	capacity approx. 100 %
2 segments:	capacity approx. 70 %
1 segment:	capacity approx. 30 %
Battery icon flashing:	LOW BAT

Transmitter battery status indication (EM 100 G2 only)

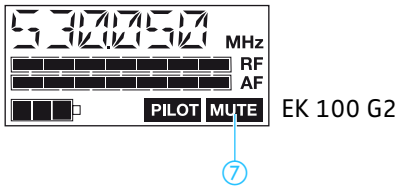


When the capacity of the transmitter batteries/accupack is so low that the batteries/accupack must soon be replaced (LOW BAT), the transmitter transmits information on its remaining battery/accupack capacity to the EM 100 G2 receiver and the transmitter low battery icon ⑥ starts flashing on the receiver display panel.

"MUTE" display



EM 100 G2

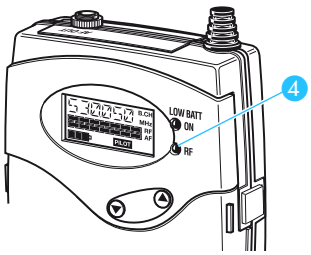


EK 100 G2

The "MUTE" display ⑫ or ⑦ appears when

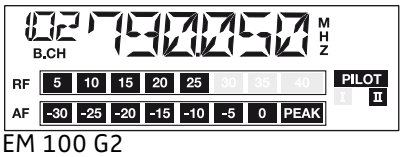
- the RF signal of the received transmitter is too weak,
- the received transmitter has been muted (with the pilot tone transmission or evaluation activated).

RF signal indication (EK 100 G2 only)

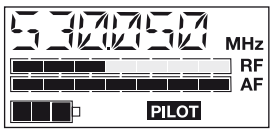


The green LED (RF) 4 at the front of the EK 100 G2 lights up when an RF signal is being received.

Modulation display of the receiving transmitter



EM 100 G2

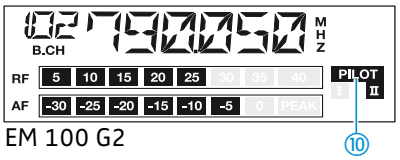


EK 100 G2

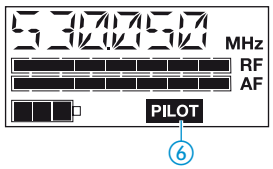
The level display for audio signal "AF" shows the modulation of the transmitter.

When the transmitter's audio input level is excessively high (AF peak), the receiver's level display for audio signal "AF" shows full deflection.

"PILOT" display



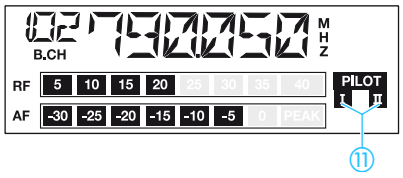
EM 100 G2



EK 100 G2

The "PILOT" display ⑩ or ⑥ lights up when the pilot tone evaluation is activated (see: „Activating/deactivating the pilot tone transmission or pilot tone evaluation" on page 35).

Diversity display (EM 100 G2 only)



The EM 100 G2 receiver operates on the true diversity principle (see: „Diversity reception" on page 41).

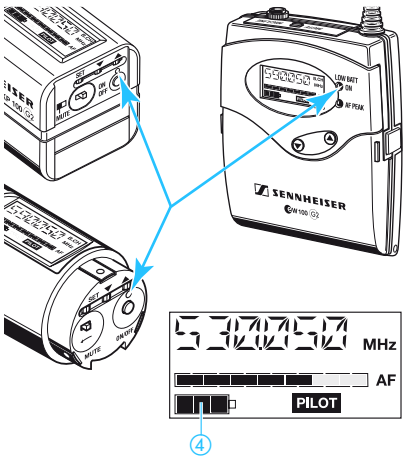
The diversity display ⑪ indicates whether diversity section I (i.e. antenna 1) or diversity section II (i.e. antenna 2) is active.

Display backlighting (EK 100 G2 only)

After pressing a button, the display remains backlit for approx. 15 seconds.

Indications and displays on the transmitters

Operation and battery status indication



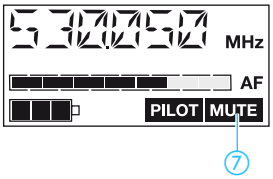
The red LED (LOW BAT/ON) provides information on the current operating state of the transmitter:

Red LED lit up:	The transmitter is switched on and the capacity of the batteries/accupack BA 2015 is sufficient.
Red LED flashing:	The batteries are/the accupack BA 2015 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 BA 2015 capacity:

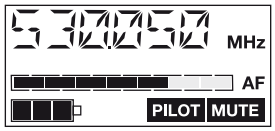
3 segments:	capacity approx. 100 %
2 segments:	capacity approx. 70 %
1 segment:	capacity approx. 30 %
Battery icon flashing:	LOW BAT

"MUTE" display



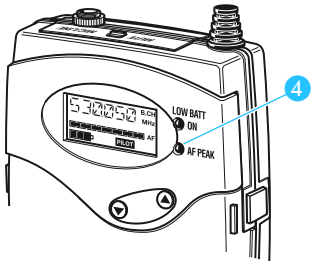
The "MUTE" display ⑦ appears on the display panel when the transmitter is muted (see: „Muting the transmitters" on page 23).

Modulation display



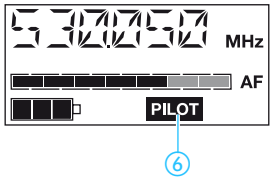
The level display for audio signal (AF) shows the modulation of the transmitter.

AF peak indication (SK 100 G2 only)



The yellow LED (AF PEAK) 4 at the front of the SK 100 G2 lights up when the audio input level is excessively high (AF peak) and overmodulates the transmitter. At the same time, the 7-step level display for audio signal "AF" shows full deflection for the duration of the overmodulation.

"PILOT" display



The "PILOT" display ⑥ lights up when the transmitter display panel if the pilot tone transmission is activated (see: „Activating/deactivating the pilot tone transmission or pilot tone evaluation" on page 35).

Display backlighting (SK 100 G2 only)

After pressing a button, the display remains backlit for approx. 15 seconds.

The operating menu

A special feature of the Sennheiser ew 100 G2 series is the similar, intuitive operation. As a result, the units are easy to operate and adjustments to the settings can be made quickly and "without looking" – even in stressful situations, for example on stage or during a live show or presentation.

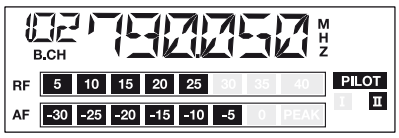
The buttons

Buttons	Mode	To ...
ON/OFF or POWER (EM 100 G2 only)	Standard display	turn the transmitter or receiver on and off
	Operating menu	cancel the entry and return to the standard display
	Setting mode	cancel the entry and return to the standard display
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	without function
	Operating menu	change to the previous menu (▲) or change to the next menu (▼)
	Setting mode	adjust the setting of the selected menu: option (▲/▼)

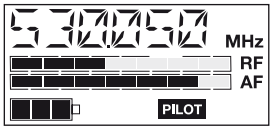
Overview of menus

Display	Receivers	Transmitters
BANK	Switching between channel banks	Switching between channel banks
CHAN	Switching between the channels in a channel bank	Switching between the channels in a channel bank
TUNE	Setting a receiving frequency for the channel bank "U" (user bank)	Setting a transmission frequency for the channel bank "U" (user bank)
SCAN	Scanning the selected channel bank for free channels	—
SENSIT	—	Adjusting the sensitivity (AF)
AF OUT	Adjusting the audio output level	—
SQELCH	Adjusting the squelch threshold	—
DISPLY	Selecting the standard display	Selecting the standard display
NAME	Entering a name	Entering a name
RESET	Loading the factory-preset default settings	Loading the factory-preset default settings
PILOT	Activating/deactivating the pilot tone evaluation	Activating/deactivating the pilot tone transmission
LOCK	Activating/deactivating the lock mode	Activating/deactivating the lock mode
EXIT	Exiting the operating menu and returning to the standard display	Exiting the operating menu and returning to the standard display

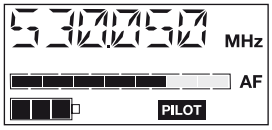
Working with the operating menu



EM 100 G2



EK 100 G2



Trans-
mitters

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

After switching the unit on, 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 ▲/▼ buttons 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 ▲/▼ buttons to adjust the setting. By briefly pressing the ▲/▼ buttons, the display jumps either forwards or backwards to the next setting. In the "CHAN", "TUNE" and "NAME" menu, the ▲/▼ buttons feature 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.

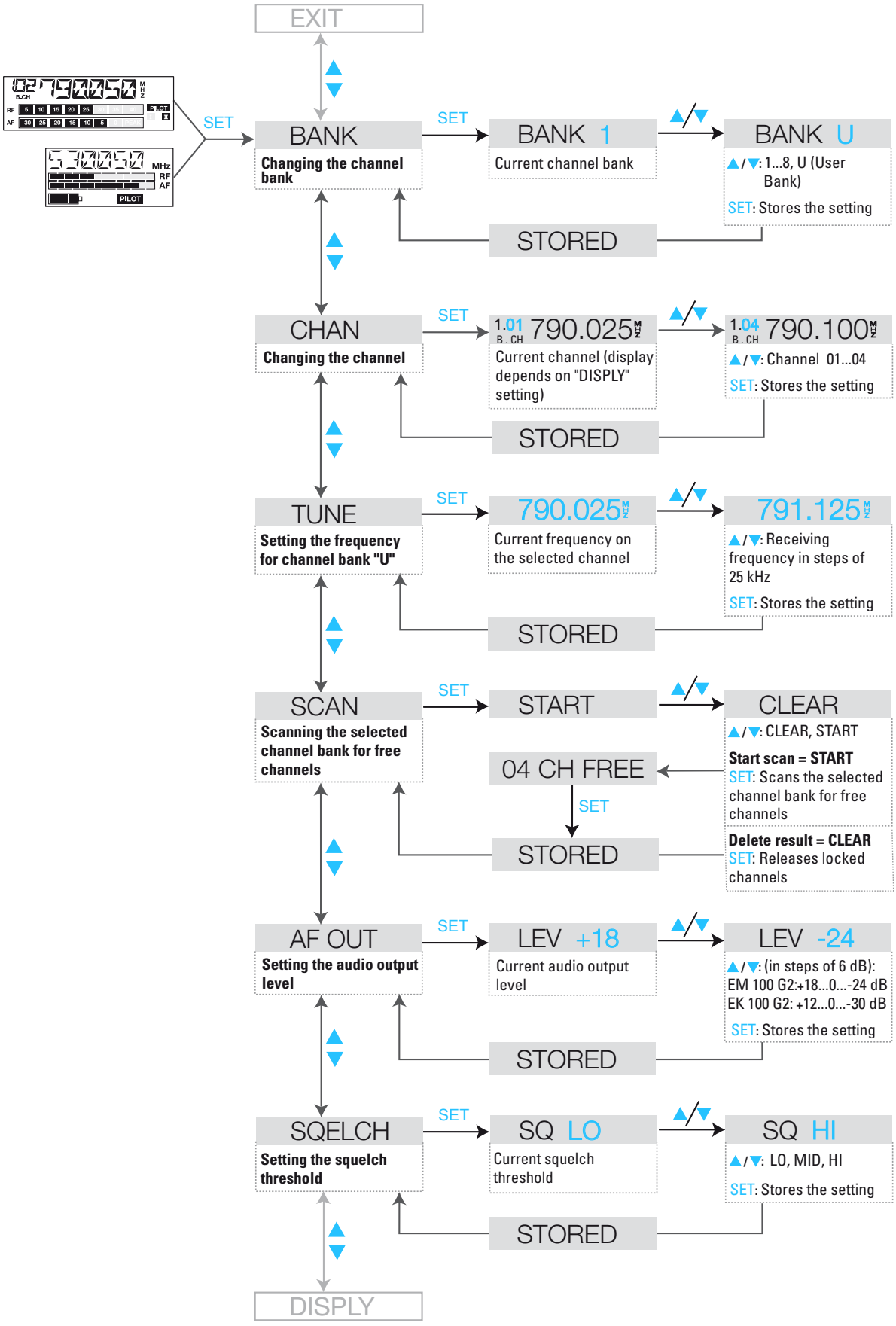
With most menus, new settings become effective immediately without having to be stored. An exception are the "BANK", "CHAN", "TUNE" and "RESET" menus of the transmitters and the "RESET" menu of the receivers. With these menus, new settings only become effective after they have been stored ("STORED" appears on the display, indicating that the setting has been stored).

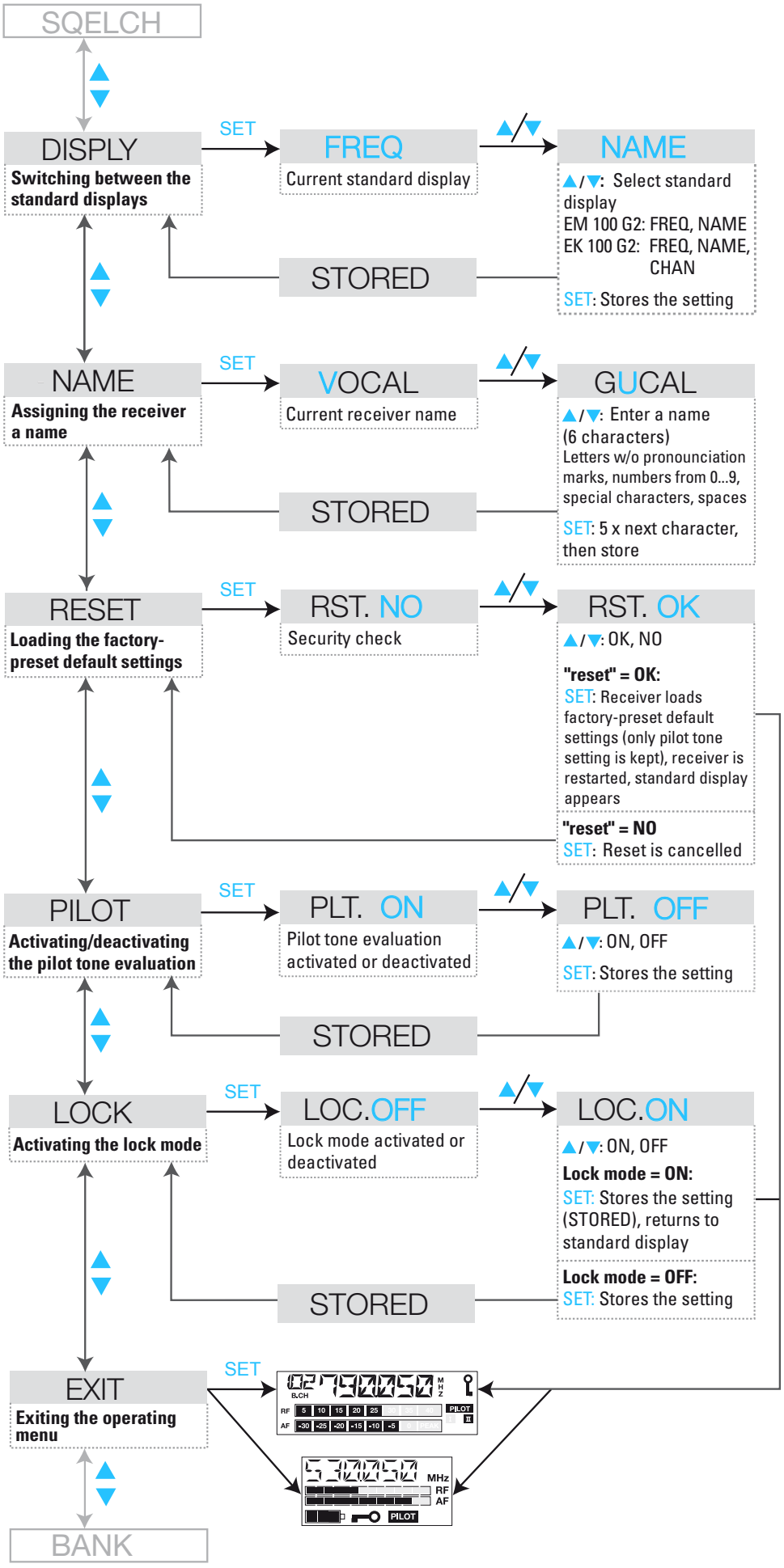
Exiting the operating menu

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

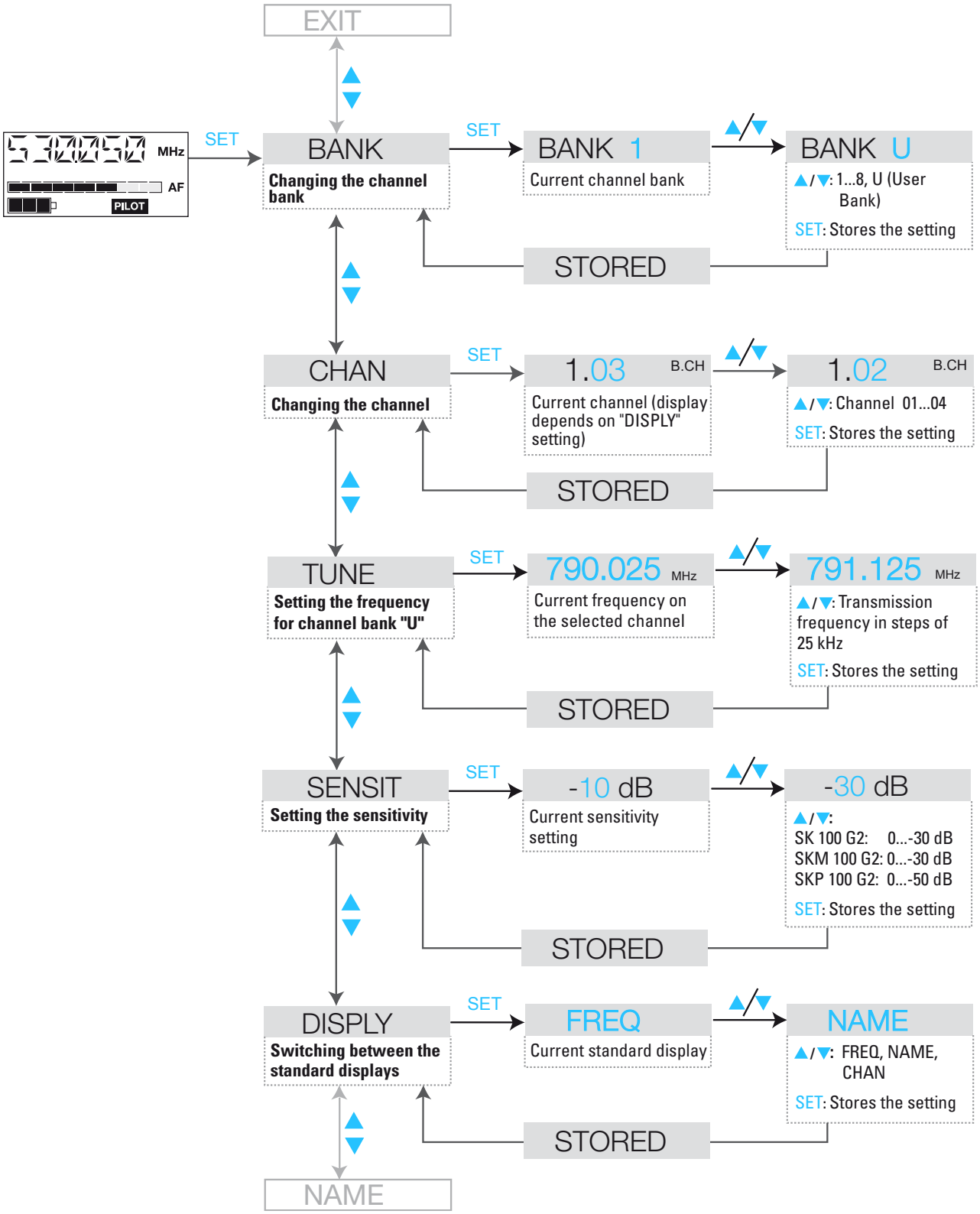
When you have entered the operating menu, the ON/OFF button or the POWER button (EM 100 G2 receiver only) serves as the ESC (cancel) key, i.e. by briefly pressing the ON/OFF or POWER button, you cancel your entry and return to the standard display.

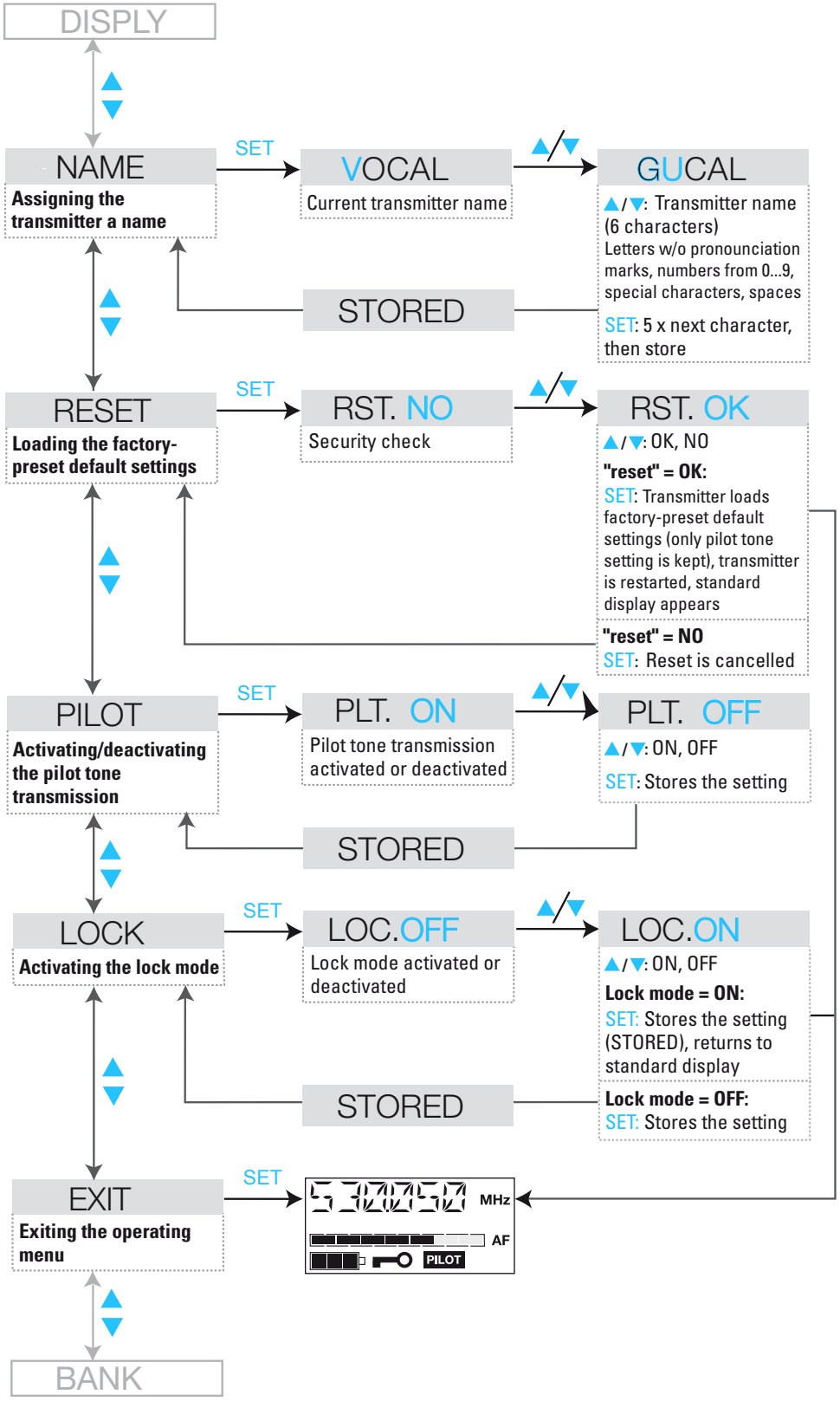
Operating menu of the receivers




SQELCH
DISPLY
Switching between the standard displays
SET
FREQ
Current standard display
NAME
▲/▼: Select standard display
EM 100 G2: FREQ, NAME
EK 100 G2: FREQ, NAME, CHAN
SET: Stores the setting
STORED
NAME
Assigning the receiver a name
SET
VOCAL
Current receiver name
GUCAL
▲/▼: Enter a name (6 characters)
Letters w/o pronounciation marks, numbers from 0...9, special characters, spaces
SET: 5 x next character, then store
STORED
RESET
Loading the factory-preset default settings
SET
RST. NO
Security check
RST. OK
▲/▼: OK, NO
"reset" = OK:
SET: Receiver loads factory-preset default settings (only pilot tone setting is kept), receiver is restarted, standard display appears
"reset" = NO
SET: Reset is cancelled
PILOT
Activating/deactivating the pilot tone evaluation
SET
PLT. ON
Pilot tone evaluation activated or deactivated
PLT. OFF
▲/▼: ON, OFF
SET: Stores the setting
STORED
LOCK
Activating the lock mode
SET
LOC.OFF
Lock mode activated or deactivated
LOC.ON
▲/▼: ON, OFF
Lock mode = ON:
SET: Stores the setting (STORED), returns to standard display
Lock mode = OFF:
SET: Stores the setting
STORED
EXIT
Exiting the operating menu
SET
B.CH
MHz
RF
AF
PILOT
BANK

Operating menu of the transmitters




DISPLY
NAME
Assigning the transmitter a name
SET
VOCAL
Current transmitter name
GUCAL
▲/▼: Transmitter name (6 characters)
Letters w/o pronounciation marks, numbers from 0...9, special characters, spaces
SET: 5 x next character, then store
STORED
RESET
Loading the factory-preset default settings
SET
RST. NO
Security check
RST. OK
▲/▼: OK, NO
"reset" = OK:
SET: Transmitter loads factory-preset default settings (only pilot tone setting is kept), transmitter is restarted, standard display appears
"reset" = NO
SET: Reset is cancelled
PILOT
Activating/deactivating the pilot tone transmission
SET
PLT. ON
Pilot tone transmission activated or deactivated
PLT. OFF
▲/▼: ON, OFF
SET: Stores the setting
STORED
LOCK
Activating the lock mode
SET
LOC.OFF
Lock mode activated or deactivated
LOC.ON
▲/▼: ON, OFF
Lock mode = ON:
SET: Stores the setting (STORED), returns to standard display
STORED
Lock mode = OFF:
SET: Stores the setting
EXIT
Exiting the operating menu
SET
MHz
AF
PILOT
BANK