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For more detailed information on the individual sections of this instruction manual, visit the SKM 100 G3 product page on our website at www.sennheiser.com.



There you can also view an animated instruction manual.











Important safety instructions



Important safety instructions



- Keep this instruction manual. Always include this instruction manual when passing the device on to third parties.
- Heed all warnings and follow all instructions.
- Clean the device only with a slightly damp cloth.
- Do not place the device near any heat sources such as radiators, stoves, or other devices (including amplifiers) that produce heat.
- Only use attachments/accessories specified by Sennheiser.
- When replacement parts are required, only use replacement parts specified by Sennheiser or those having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Refer all servicing to qualified service personnel.
 Servicing is required if the device has been damaged in any way, liquid has been spilled, objects have fallen inside, the device has been exposed to rain or moisture, does not operate properly or has been dropped.
- WARNING: To reduce the risk of short circuits, do not use the device near water and do not expose it to rain or moisture.

Intended use

Intended use of the ew 100 G3 series devices includes:

- having read these instructions especially the chapter "Important safety instructions",
- using the devices within the operating conditions and limitations described in this instruction manual.

"Improper use" means using the devices other than as described in these instructions, or under operating conditions which differ from those described herein.





















The SKM 100 G3 radio microphone is part of the evolution wireless series generation 3 (ew G3). With this series, Sennheiser offers high-quality state-of-the-art RF transmission systems with a high level of operational reliability and ease of use. Transmitters and receivers permit wireless transmission with studio-quality sound.

Features of the evolution wireless 100 G3 series:

- · Optimized PLL synthesizer and microprocessor technology
- HDX noise reduction system
- Pilot tone squelch control
- True diversity technology
- Switching bandwidth of 42 MHz
- Increased immunity to intermodulation and interferences in multichannel operation
- Interchangeable microphone heads, allowing the use of different pick-up patterns and sensitivities

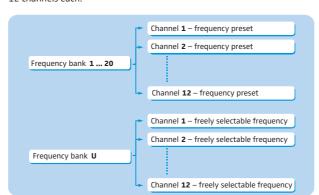
The frequency bank system

Please note: Frequency usage is different for each country. Your Sennheiser partner will have all the necessary details on the available legal frequencies for your area.

The radio microphone is available in 6 UHF frequency ranges with 1,680 transmission frequencies per frequency range:

Range A: 516 – 558 MHz Range C: 734 – 776 MHz Range G: 566 – 608 MHz Range D: 780 – 822 MHz Range B: 626 – 668 MHz Range E: 823 – 865 MHz

Each frequency range (A–E, G) offers 21 frequency banks with up to 12 channels each:



Each of the channels in the frequency banks "1" to "20" has been factorypreset to a fixed transmission frequency (frequency preset). The factorypreset frequencies within one frequency bank are intermodulation-free. These frequencies cannot be changed.

For an overview of the frequency presets, please refer to the supplied frequency information sheet. Updated versions of the frequency information sheet can be downloaded from the SKM 100 G3 product page on our website at www.sennheiser.com.

The frequency bank "U" allows you to freely select and store transmission frequencies. It might be that these transmission frequencies are not intermodulation-free.









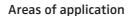












The radio microphone family can be combined with the EM 100 G3 stationary receiver.

The EM 100 G3 stationary receiver is available in the same UHF frequency ranges and is equipped with the same frequency bank system with factory-preset frequencies. This has the advantage that

- a transmission system is ready for immediate use after switch-on,
- several transmission systems can be operated simultaneously on the preset frequencies without causing intermodulation interference.

Radio microphone		Interchangeable microphone heads
SKM 100-835 G3 ^{*)}	EM 100 G3	MMD 835-1
SKM 100-845 G3*)		MMD 845-1
SKM 100-865 G3*)		MME 865-1

* The name of the radio microphone is a combination of the name of the transmitter and the name of the microphone head:

Transmitter + Microphone head =Name of the radio microphone SKM 100 G3 + MMD 835-1 =SKM 100-835 G3

The name and pick-up pattern of the microphone head are printed on the sound inlet basket of the radio microphone.

Overview of the microphone heads:

Microphone head	Туре	Pick-up pattern
MMD 835-1	dynamic	cardioid
MMD 845-1	dynamic	super-cardioid
MME 865-1	condenser	super-cardioid

















Delivery includes

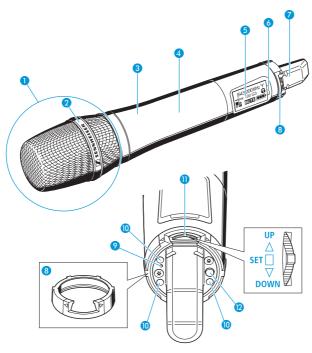
The packaging contains the following items:

- ${\bf 1}~{\rm SKM}~{\bf 100}~{\rm G3}$ radio microphone incl. microphone head
- 2 AA size batteries, 1.5 V
- 1 microphone clamp
- 1 instruction manual
- 1 frequency information sheet

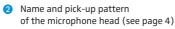


Product overview

Overview of the SKM 100 radio microphone







- Body of radio microphone
- Battery compartment (not visible from outside)
- Display panel, backlit in orange
- Infra-red interface
- Antenna
- Color-coded protection ring; available in different colors
- Operation and battery status indicator, red LED (lit = ON/flashing = LOW BAT)
- Charging contacts
- Multi-function switch:
 - \checkmark (DOWN), \blacktriangle (UP) and \blacksquare (SET)
- ON/OFF button (serves as the ESC (cancel) key in the operating menu)





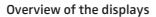






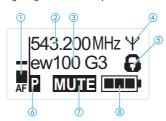






After switch-on, the radio microphone displays the standard display "Frequency/Name". For further illustrations and examples of the different standard displays, refer to page 12.

The display backlighting is automatically reduced after approx. 20 seconds.



Display	Meaning	
① Audio level "AF"	Modulation of the radio microphone with peak hold function	
2 Frequency	Current transmission frequency	
3 Name	User selectable name	
4 Transmission icon	RF signal is being transmitted	
5 Lock mode icon	Lock mode is activated	
6 "P" (Pilot)	Pilot tone transmission is activated	
7 "MUTE"	Audio signal is muted	
8 Battery status	Charge status:	
	approx. 100%	
	approx. 70%	
	approx. 30%	
	charge status is critical, the red LOW BATT LED 9 is flashing:	





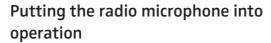














Inserting the batteries/accupack

For powering the radio microphone, you can either use two 1.5 V AA size batteries or the rechargeable Sennheiser BA 2015 accupack.

Unscrew the lower part of the radio microphone from the radio microphone's body 3 by turning it counterclockwise.

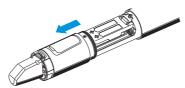




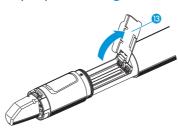
When unscrewing the radio microphone during operation, the muting function is automatically activated. "MUTE" appears on

When screwing the lower part of the radio microphone back to the radio microphone's body, the muting is canceled.

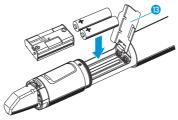
Slide back the lower part of the radio microphone as far as it will go.



Open the battery compartment cover (3).



Insert the batteries or the BA 2015 accupack as shown on the battery compartment cover. Observe correct polarity when inserting the batteries/accupack.



- Close the battery compartment cover (3).
- Push the battery compartment into the radio microphone's body.
- Screw the lower part of the radio microphone back to the radio microphone's body 3.



















Charging the accupack

To charge the radio microphone with the inserted BA 2015 accupack (optional accessory):

Use the LA 2 charging adapter to insert the radio microphone into the L 2015 charger (both the charger and the charging adapter are available as optional accessories – information on accessories can be found on our web site at www.sennheiser.com).





The L 2015 charger can only charge individual BA 2015 accupacks or — when used in conjunction with the LA 2 charging adapter — the radio microphone with the BA 2015 accupack inserted. Standard batteries (primary cells) or individual rechargeable battery cells cannot be charged.

Changing the microphone head

The microphone head 1 is easy to change.

Unscrew the microphone head 10.





Do not touch the contacts of the radio microphone nor the contacts of the microphone head 1. The contacts can become dirty or damaged if touched.





When unscrewing the microphone head ① during operation, the muting function is automatically activated. "MUTE" appears on the display panel.

When screwing the microphone head 1 back to the radio microphone, the muting is canceled.

> Screw the desired microphone head to the radio microphone.



▶ Put the radio microphone back into operation.







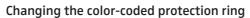








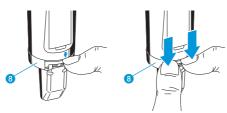






The color-coded protection ring 8 prevents the multi-function switch 11 from accidental operation. Protection rings 8 in different colors are available as accessories (information on accessories can be found on our web site at www.sennheiser.com). The protection rings allow you to clearly identify each radio microphone.

▶ Remove the color-coded protection ring ⑧ as shown.



▶ Put on a new protection ring 8 as shown.

























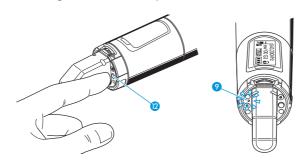




To establish a transmission link, proceed as follows:

- 1. Switch the receiver on (see the instruction manual of the receiver).
- Switch the radio microphone on (see below).
 The transmission link is established and the receiver's RF level display "RF" reacts.

Switching the radio microphone on/off



To switch the radio microphone on (online operation):



▶ Briefly press the ON/OFF button ②.

The radio microphone transmits an RF signal. The transmission icon (4) is displayed.

The red ON LED lights up and the standard display "Frequency/Name" appears on the display panel.



You can switch the radio microphone on and deactivate the RF signal on switch-on. For more information, see below.



To switch the radio microphone off:

If necessary, deactivate the lock mode (see page 12).



Press the ON/OFF button @ until "OFF" appears on the display panel. The red ON LED 9 goes off and the display panel turns off.



When in the operating menu, pressing the ON/OFF button 19 will cancel your entry (ESC function) and return you to the current standard display.

To switch the radio microphone on and to deactivate the RF signal on switch-on (offline operation):



▶ Press the ON/OFF button ② until "RF Mute On?" appears on the display panel.



Press the multi-function switch 1.
The transmission frequency is displayed but the radio microphone does not transmit an RF signal. The transmission icon 4 is not displayed.





Use this function to save battery power or to prepare a radio microphone for use during live operation without causing interference to existing transmission links.

To activate the RF signal:



Briefly press the ON/OFF button 2."RF Mute Off" appears on the display panel.



Press the multi-function switch 1.
The transmission icon 4 is displayed again.











Deactivating the lock mode temporarily

You can activate or deactivate the automatic lock mode via the "Auto Lock" menu item (see page 17). If the lock mode is activated, you have to temporarily deactivate it In order to be able to operate the radio microphone:



Move the multi-function switch upwards/downwards. "Unlock?" appears on the display panel.



Press the multi-function switch.
The lock mode is temporarily deactivated:

How you are using the radio microphone determines how long the lock mode remains deactivated:

When you are in the operating menu

The lock mode is deactivated as long as you are in the operating menu.

When one of the standard displays is shown

The lock mode is automatically activated after 10 seconds.

Prior to this, the lock mode icon $\ensuremath{\textcircled{\$}}$ flashes, indicating that the lock mode is being activated.



Deactivating the RF signal



Deactivating the RF signal on switch-on

For information on deactivating the RF signal on switch-on, refer to the chapter "Switching the radio microphone on/off" on page 11.

Deactivating the RF signal during operation



- When one of the standard displays is shown on the display panel, briefly press the ON/OFF button. "RX Mute On?" appears on the display panel.
- Proceed as described on page 11.

Selecting a standard display



Move the multi-function switch to select a standard display:

Contents of the display	Selectable standard display
543.200MHz \(\begin{align*}	"Frequency/Name"
B.Ch: 20.12 Y -543.200MHz ? AF P MUTE	"Channel/Frequency"
ew100 G3 Y B.Ch: 20.12 A	"Channel/Name"





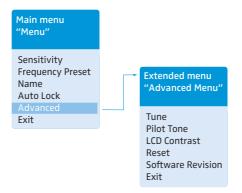


Using the operating menu

The buttons

Button	Function of the button
Press the	Switches the radio microphone on and off
ON/OFF button	• Cancels the entry and returns to the current standard display (ESC function)
	 Deactivates the RF signal (special function, see page 12)
Press the multi- function switch	Changes from the current standard display to the operating menu
<u> </u>	Calls up a menu item
$\overline{\nabla}$	Enters a submenu
	Stores the settings and returns to the operating
	menu
Move the multi-	Selects a standard display
function switch	Changes to the next/previous menu item
	Changes the setting of a menu item

Overview of the operating menu



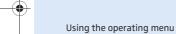
Display	runction of the menu item
Main menu "Menu"	
Sensitivity	Adjusts the sensitivity "AF" (see page 16)
Frequency Preset	Changes the frequency bank and the channel (see page 16)
Name	Enters the transmitter name (see page 17)
Auto Lock	Activates/deactivates the automatic lock mode (see page 17)
Advanced	Calls up the extended menu "Advanced Menu" (see page 18)
Exit	Exits the operating menu and returns to the current standard display
Extended menu "Adv	vanced Menu"
Tune	Sets the transmission frequencies for the frequency bank "U" (see page 18)
	Special function: Sets a channel and a transmission frequency for the frequency bank "U" (see page 18)
Pilot Tone	Activates/deactivates the pilot tone transmission (see page 19)
LCD Contrast	Adjusts the contrast of the display panel (see page 19)











Display	Function of the menu item
Reset	Resets the radio microphone (see page 19)
Software Revision	Displays the current software revision (see page 19)
Exit	Exits the extended menu "Advanced Menu" and returns to the main menu

Working with the operating menu



If the lock mode is activated, you have to deactivate it In order to be able to work with the operating menu (see page 12).

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

Changing from the current standard display to the operating menu



Press the multi-function switch. The current standard display is replaced by the main menu. The last selected menu item is displayed.

Selecting a menu item

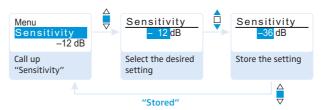


Move the multi-function switch to change to the "Sensitivity" menu item.

The current setting of the selected menu item is displayed:



Changing and storing settings





Press the multi-function switch to call up the menu item.



Move the multi-function switch to adjust the input sensitivity.



Press the multi-function switch to store the setting.

The multi-function switch features a "fast search" function:

Multi-function switch	Display
Move upwards (▲)	jumps to the previous menu item/setting
Move downwards (▼)	jumps to the next menu item/setting
Move upwards/downwards (△/▼) • and hold in this position	cycles continuously























Canceling an entry



To return to the last edited menu item:



Press the multi-function switch so many times until the last edited menu item appears.

Exiting a menu item



► Change to the "Exit" menu item.





Confirm your selection.
 You return to the next higher menu level.

To directly return to the current standard display:



Press the ON/OFF button.







Adjusting settings via the operating menu

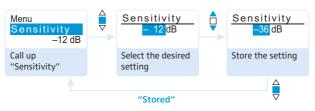


Make use of the possibility to adjust settings via the operating menu of your receiver and to transfer these settings to the radio microphone. For more information, refer to the instruction **syn** manual of the receiver. The relevant information is marked with the sync icon.

> For more detailed information on the operating menu, visit the SKM 100 G3 product page at www.sennheiser.com.

The main menu "Menu"

Adjusting the input sensitivity - "Sensitivity"



Adjustment range: 0 to -48 dB, adjustable in steps of 6 dB

The transmitter's audio level display "AF" always indicates the audio level, even if the radio microphone is muted, e.g. allowing you to check the adjusted sensitivity before live operation.

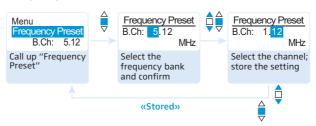


Input sensitivity adjusted	Effect/display
too high	Close talking distances, speakers with loud voices or loud music passages cause overmodulation in the transmission link. The audio level display "AF" ① shows full deflection for the duration of the overmodulation.
correctly	The audio level display "AF" ① shows full deflection only during the loudest passages.
too low	The transmission link is undermodulated. This results in a signal with high background noise.

The following figures are a guide to the best settings:

Transmission situation	Sensitivity setting
Loud music/vocals	−48 to −18 dB
Presentations	−18 to −12 dB
Interviews	-12 to 0 dB

Selecting the frequency bank and the channel manually – "Frequency Preset"



When you are in the "Frequency Preset" menu item, the RF signal is deactivated.







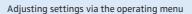


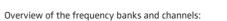












Frequency bank	Channels	Туре
"1" to "20"	up to 12 per frequency bank	System bank: frequencies are factor-preset
"U"	up to 12	User bank: frequencies are freely selectable

When setting up multi-channel systems, please observe the following:

Only the factory-preset frequencies within one frequency bank are intermodulation-free (see page 20). Radio microphone and receiver of a transmission link have to be set to the same frequency. It is vital to observe the $% \left\{ 1\right\} =\left\{ 1$ notes on frequency selection on page 20.

Entering a name - "Name"



Via the "Name" menu, you can enter a freely selectable name (e.g. the name of the performer) for the radio microphone.

The name can be displayed on the standard displays "Frequency/Name" and "Channel/Name". The name can consist of up to 8 characters such as:

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

To enter a name, proceed as follows:



Move the multi-function switch to select a character.



Press the multi-function switch to change to the next segment/character or to store the complete entry.

Activating/deactivating the automatic lock mode – "Auto Lock"



The lock mode prevents that the radio microphone is accidentally switched off or programed during operation. The lock mode icon (5) 🔒 on the current standard display indicates that the lock mode is activated.



Move the multi-function switch to select the desired setting.

For information on how to use the lock mode, refer to page 12.











The extended menu "Advanced Menu"

Setting transmission frequencies and the frequency bank "U" -"Tune"

When you have selected one of the system banks and then select the "Tune" menu, the radio microphone automatically switches to channel ${\bf 1}$ of the frequency bank "U". In this case, "U.1" briefly appears on the display panel. Upon delivery, the channels of the frequency bank "U" are not assigned a transmission frequency.

When you are in the "Tune" menu item, the RF signal is deactivated.

Via the "Tune" menu item, you can set a transmission frequency to be stored in the current channel or you can select a different channel and assign it a transmission frequency. It is vital to observe the notes on frequency selection on page 20.

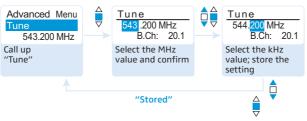
Setting a transmission frequency for the current channel



Move the multi-function switch until the "Tune" menu item appears.



Press the multi-function switch. The frequency selection appears.





Set the desired frequency.

Press the multi-function switch. Your settings are stored. You are back to the operating menu.

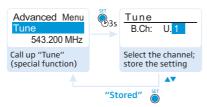
Selecting a channel and assigning this channel a frequency



Move the multi-function switch until the "Tune" menu item appears.



Press the multi-function switch until the frequency bank selection appears.



Set the desired channel.



- Press the multi-function switch. The frequency selection appears.
- Set the desired frequency.













Activating/deactivating the pilot tone transmission – "Pilot Tone"



The radio microphone adds an inaudible pilot tone to the audio signal. The receiver detects and evaluates the pilot tone, and is thus able to identify the signal of the matching transmitter and mute all others. The pilot tone supports the receiver's squelch function.

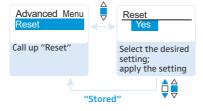
Devices of the ew 100 G1 series (generation 1) do not support the pilot tone function. Therefore, please observe the following when combining a radio microphone or receiver of the ew 100 G3 series (generation 3) with devices from an earlier evolution wireless generation:

Radio microphone	Receiver	Make sure to	
© w G3/ © w G2	9 w G3/ 9 w G2	activate the pilot tone function on both radio microphone and receiver.	
© w G3	© w G1	deactivate the pilot tone function on the ew 100 G3 radio microphone.	
€w G1	⊕w G3	deactivate the pilot tone function on the ew 100 G3 receiver.	

Adjusting the contrast of the display panel – "LCD Contrast"

You can adjust the contrast of the display panel in 16 steps.

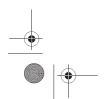
Loading the factory-preset default settings - "Reset"



When resetting the radio microphone, only the selected settings for the pilot tone and for the frequency bank "U" remain unchanged.

Displaying the software revision – "Software Revision"

You can display the current software revision of the radio microphone.

















Synchronizing the radio microphone with a receiver

When synchronizing the radio microphone with a receiver, please observe the following:

- Only use a radio microphone and a receiver from the same frequency range (see the type plate on the radio microphone and the receiver).
- Make sure that the desired frequencies are listed in the enclosed frequency information sheet.
- Make sure that the desired frequencies are approved and legal in your country and, if necessary, apply for an operating license.

Synchronizing the radio microphone with the receiver – individual operation

Upon delivery, the radio microphone and the receiver are synchronized with each other. However, if you cannot establish a transmission link between radio microphone and receiver, you have to synchronize the channels of the devices.

For information on automatic synchronization of the radio microphone with the receiver (individual operation), refer to the instruction manual of the receiver. This information is marked with the <code>syn</code> icon.

Alternatively, you can set the channel on the radio microphone manually:

Make sure that you set the radio microphone to the same frequency bank and the same channel as the receiver (see page 16).

If you still cannot establish a transmission link, refer to the chapter "If a problem occurs ..." on page 22.



Synchronizing radio microphones with receivers – multi-channel operation

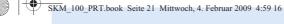
Combined with ew 100 G3 receivers, ew 100 G3 radio microphones can form transmission links that can be used in multi-channel systems. In order to ensure an intermodulation-free transmission, use the same frequency bank for all transmission links.

For information on automatic synchronization of radio microphones with receivers (multi-channel operation), refer to the instruction manual of your receiver.















Cleaning the radio microphone

CAUTION!

Liquids can damage the electronics of the radio microphone!

Cleaning the radio microphone

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

- ▶ Keep all liquids away from the radio microphone.
- Use a slightly damp cloth to clean the radio microphone from time to time. Do not use any solvents or cleansing agents.

To clean the sound inlet basket:

Unscrew the upper sound inlet basket from the microphone head by turning it counterclockwise (see diagram).

Liquids will damage the microphone module! Liquids will damage the microphone module.

Only clean the upper sound inlet basket.



- Remove the foam insert.
- To clean the sound inlet basket:
 - Use a slightly damp cloth to clean the upper sound inlet basket from the inside and outside.
 - Scrub with a brush and rinse with clear water.
- If necessary, clean the foam insert with a mild detergent or replace the
- Dry the upper sound inlet basket.
- Dry the foam insert.
- Reinsert the foam insert.
- Replace the sound inlet basket on the microphone head and screw it

You should also clean the contact rings of the microphone head from time to time:

Wipe the contact rings of the microphone head with a dry cloth.























Problem	Possible cause	Possible solution	
Radio micro- phone cannot be operated, "Locked" appears on the display panel	Lock mode is activated	Deactivate the lock mode (see page 12).	
No operation indication	Batteries are flat or accupack is flat	Replace the batteries or recharge the accupack (see page 9).	
No RF signal at the receiver	Radio microphone and receiver are not on the same channel	Synchronize the radio microphone with the receiver.	
		Set the radio microphone to the same channel as the receiver.	
	Radio microphone is out of range	Check the squelch threshold setting on the receiver.	
		Reduce the distance between radio micro- phone and receiving antenna.	
	RF signal is deactivated ("RF Mute")	Activate the RF signal (see page 12).	
RF signal available, no audio signal, "MUTE" appears on the display panel	Receiver's squelch threshold is adjusted too high	Reduce the squelch threshold setting on the receiver.	
	Radio microphone doesn't transmit a pilot tone	Activate or deactivate the pilot tone transmission (see page 19).	
Audio signal has a high level of background noise / audio signal is distorted	Radio microphone's sensitivity is adjusted too low/too high	Adjust the input sensitivity (see page 16).	

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 under "Service & Support".













Specifications







RF characteristics

Modulation wideband FM

Frequency ranges 516-558, 566-608, 626-668,

734-776, 780-822, 823-865 MHz

(A to E, G, see page 3)

Transmission frequencies 1,680 frequencies, tuneable in

steps of 25 kHz

20 frequency banks, each with up to 12 factory-preset channels

1 frequency bank with up to 12 user programmable channels

Switching bandwidth 42 MHz

Nominal/peak deviation ± 24 kHz/± 48 kHz

Frequency stability \leq ± 15 ppm RF output power at 50 Ω typ. 30 mW

Pilot tone squelch can be switched off

AF characteristics

Compander system Sennheiser HDX

80-18,000 Hz AF frequency response

Signal-to-noise ratio (1 mV, peak deviation)

≤ 0.9 %

Adjustment range of input sensitivity 48 dB, adjustable in 6-dB steps

 \geq 110 dBA

Temperature range -10°C to +55°C

Power supply 2 AA size batteries, 1.5 V

or BA 2015 accupack

Nominal voltage 2.4 V - - -

Power consumption

Overall device

typ. 180 mA (30 mW) at nominal voltage

with switched-off radio microphone $~\leq 25~\mu A$

Operating time

Dimensions

approx. \varnothing 50 mm x 265 mm

Weight (incl. batteries) approx. 450 g

In compliance with

Europe (€

EMC EN 301489-1/-9 EN 300422-1/-2 Radio Safety EN 60065,

EN 62311 (SAR)







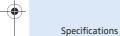
















Approved by

Canada



Industry Canada RSS 210 IC: 2099A-G3SKMEM limited to 806 MHz

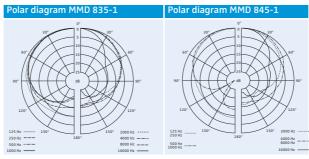
USA FCC-Part 74

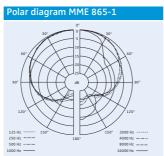
> FCC-ID: DMO G3SKMEM limited to 698 MHz

Microphone heads

	MMD 835-1	MMD 845-1	MME 865-1
Microphone type	dynamic	dynamic	condenser
Sensitivity	2.1 mV/Pa	1.6 mV/Pa	1.6 mV/Pa
Pick-up pattern	cardioid	cardioid	super-cardioid
Max. SPL	154 dB SPL	154 dB SPL	152 dB SPL

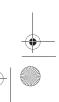
Polar diagrams and frequency response curves of the microphone heads













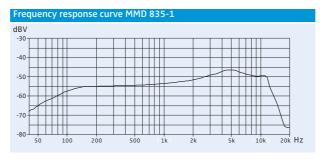


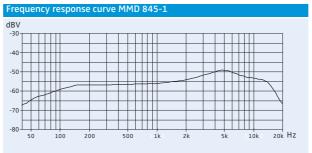


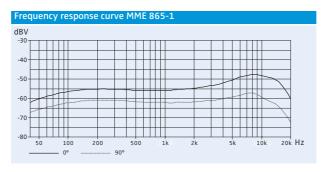
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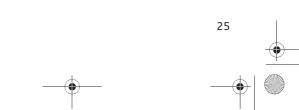
























Warranty

Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on this

For the current warranty conditions, please visit our web site at www.sennheiser.com or contact your Sennheiser partner.

In compliance with the following requirements

- RoHS Directive (2002/95/EU)
- WEEE Directive (2002/96/EU)



Please dispose of the radio microphone at the end of its operational lifetime by taking it to your local collection point or recycling center for such equipment.

Battery Directive (2006/66/EU)



The supplied batteries or rechargeable batteries of the radio microphone 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.

CE Declaration of Conformity

C€0682①

• R&TTE Directive (1999/5/EU), EMC Directive (2004/108/EU), Low Voltage Directive (2006/95/EU) The declarations are available at www.sennheiser.com. Before putting the device into operation, please observe the respective country-specific regulations.



Statements regarding FCC and Industry Canada

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: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and 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. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This class B digital device complies with the Canadian ICES-003.

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

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











