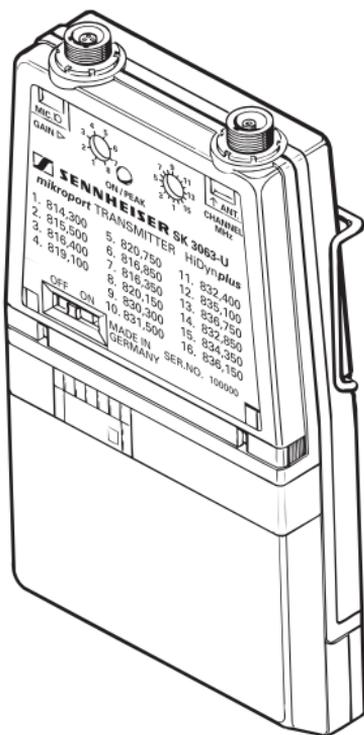


# SK 3063-U

Instruction Manual





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Thank you for choosing Sennheiser!

We have designed this product to give you reliable operation over many years. Over 60 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.

## Important safety instructions

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

### Intended use

Intended use of the device includes,

- having read this instruction manual, especially the chapter “Important safety instructions”,
- using the device within the operating conditions and limitations described in this instruction manual.

### Improper use

“Improper use” means using the products other than as described in this instruction manual, or under operating conditions which differ from those described herein.

## SK 3063-U Mikroport bodypack transmitter

Together with a connected microphone, the transmitter can be used as a wireless microphone. Due to its small dimensions and extremely flat design, the SK 3063-U is especially suitable for all applications where a very unobtrusive transmitter is required, e.g. film and TV productions, musicals.

The transmitter is equipped with »**HiDynPlus**«, the Sennheiser noise reduction system that reduces possible RF interference and improves the signal-to-noise ratio. Together with a receiver which is also equipped with »**HiDynPlus**« (e.g. EM 3031/32-U, EM 3532-U, EM 3732, EK 3241, EM 1046), an RF link of excellent operational reliability and highest transmission quality can be set up.

### Features

- Metal diecast casing with power pack
- State-of-the-art PLL technology, 16 switchable channels
- »**HiDynPlus**« noise reduction system
- Signal-to-noise ratio > 112 dB (A)
- Voltage converter ensures constant output power until the batteries are completely discharged
- Display of operating time with flash warning
- Transmission of battery status information to the receiver
- LED operation and peak indicator (ON/PEAK)

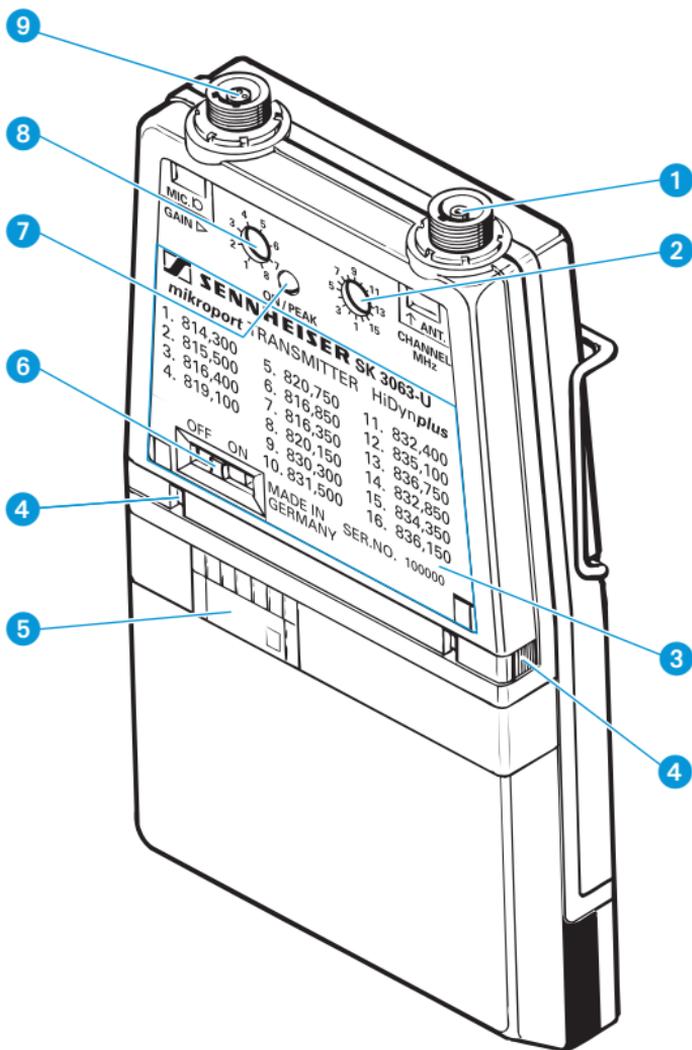
## Delivery includes

The packaging contains the following items:

- 1 SK 3063-U bodypack transmitter with belt clip
- 1 B 50 battery pack
- 1 antenna
- 1 set of colour-coded identification markers
- 1 instruction manual

## Product overview

- 1 Antenna socket
- 2 Channel selector switch
- 3 Type plate
- 4 Catches
- 5 Charge status display (on the power pack)
- 6 On/off switch
- 7 ON/PEAK LED
- 8 Sensitivity switch for microphone input
- 9 Microphone input



# Putting the SK 3063-U transmitter into operation

## Selecting a microphone

The SK 3063-U transmitter can be used with the Sennheiser MKE 2-4, MKE 102-4 (omni-directional) and MKE 40-4, MKE 104-4 (cardioid) clip-on microphones. The power supply of these microphones is via the microphone input ⑨ of the transmitter.

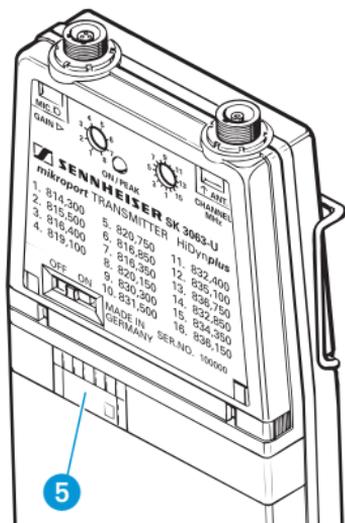
- ▶ Unscrew the coupling ring in order to unlock the special audio connector of the microphone.

## Attaching and removing the battery pack

For powering the SK 3063-U transmitter, you can either use the B 50/B 250 battery pack or the rechargeable BA 50/BA 250 accupack.

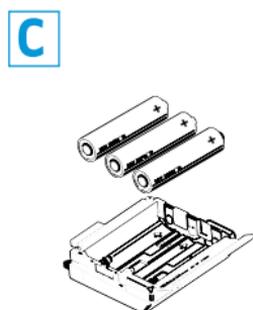
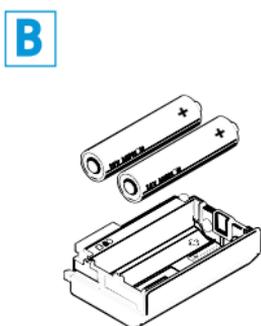
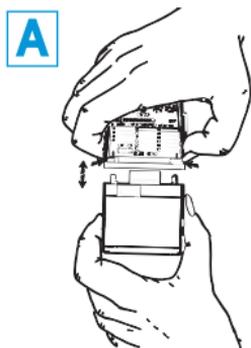
The display ⑤ at the front of the power pack indicates the charge status of the batteries/rechargeable batteries.

The transmitter also transmits the current battery status information to the receiver where it is shown on the display panel.



## To attach the B 50/B 250 battery pack:

- ▶ Using the thumb and index finger of one hand, push the two catches **4** on the transmitter as shown in diagram **A**.  
The battery pack can now be removed from the transmitter.
- ▶ Insert the batteries into the battery compartment as shown in diagram **B** or **C**.  
Depending on the battery pack, you have to insert 2 or 3 batteries:

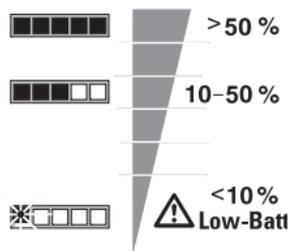


- ▶ Connect the battery pack to the transmitter.  
The battery pack locks into place with an audible click.

## The B 50/B 250 battery pack

The B 50/B 250 battery pack has the following features:

- 3-step LC display for (remaining) battery capacity
- Reliable Low Batt indication
- Protection against total discharge
- Provision of battery status information to the receiver



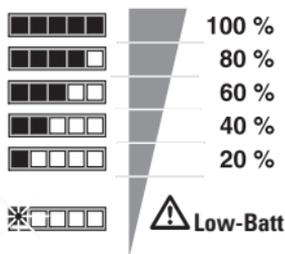
## Attaching and removing the accupack

- ▶ Using the thumb and index finger of one hand, push the two catches 4 on the transmitter as shown in diagram A on page 6.  
The accupack can now be removed from the transmitter.
- ▶ Connect the accupack to the transmitter.  
The accupack locks into place with an audible click.

## The BA 50/BA 250 accupack

The BA 50/BA 250 accupack has the following features:

- Protection against total discharge
- Intelligent, 6-step display for (remaining) accupack capacity
- Processor-controlled electronics takes self-discharge of rechargeable battery cells into account



- Display indicates the maximum possible capacity after the accupack has been fully charged in the L 50 charger
  - Measurement of actual capacity and consideration of natural ageing
  - During operation, the percentage display decreases in correspondence to the remaining accupack capacity
- 



### **Discharge the accupack from time to time**

The capacity is calculated during a complete discharge cycle (between full charge and “Low Batt” indication).

- ▶ Discharge the accupack from time to time during normal operation until the “Low Batt” indication lights up.

The updated capacity is displayed after the next complete charge cycle.

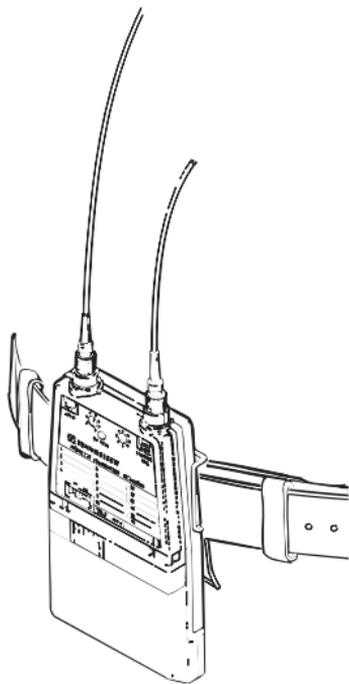
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## Attaching the transmitter to clothing

The transmitter is attached to clothing (e.g. belt, waistband) with the supplied belt clip. The clip is detachable so that you can also attach the transmitter with the cable and the antenna pointing downwards.

- ▶ Withdraw the clip from its fixing points and attach it the other way round.

In order to protect the transmitter against moisture, you can use the SK 50-T transmitter bag with Velcro fastener (see "Accessories" on page 15).



# Using the SK 3063-U transmitter

## Switching the transmitter on

- ▶ Attach the power pack to the transmitter.
- ▶ To switch the transmitter on, set the on/off switch 6 to ON. The red operation indicator 7 lights up.

If the operation indicator 7 does not light up, check the power pack.

## Setting the channel or the frequency

The assignment of a switch position/channel to a frequency is listed on the type plate 3 of the transmitter (see page 4).

- ▶ To select a channel or a corresponding frequency, set the channel selector switch 2 to the desired position.

## Adjusting the sensitivity

The sensitivity switch ⑧ allows you to adjust the gain of the microphone input in 8 steps. To provide for an accurate setting, use a receiver fitted with a deviation indicator when adjusting the sensitivity. The sensitivity is set correctly when the PEAK LED ⑦ flashes brightly only during peak levels.

In practice, the following settings have proved their worth for adjusting the sensitivity:

Position	Recommendation
1, 2	Loud voices, vocals, theater
3, 4, 5	Normal voices, talk shows, interviews
6, 7	Soft voices
8	Use only when a dynamic microphone is connected

## Specifications

RF output power	typ. 30 mW
Transmission frequencies	16
Frequency range	450–960 MHz
Switching bandwidth	24 MHz
Frequency stability	±5 ppm
Spurious emission	< 4 nW
Modulation	FM
Nominal/peak deviation	±40 kHz/±56 kHz
Noise reduction system	Sennheiser » <b>HiDynPlus</b> «
Input sensitivity for peak deviation, adjustable in 8 steps	13.2 mV–1.55 V
AF frequency response	50 Hz–18 kHz
Dynamik	112 dB (A) <sub>rms</sub>
THD	< 2% at nom. deviation/1 kHz
Connections	
AF	3-pin special microphone socket
RF	coax socket
Dimensions with power packs	
B 50/BA 50	94 x 60 x 17 mm
B 250/BA 250	116 x 60 x 17 mm
Weight with power packs	
B 50/BA 50	approx. 197 g
B 250/BA 250	approx. 230 g

Operating time with  
alkaline-manganese cells

B 50-2	4.5 hrs with SK 50/SK 3063
B 250-2	> 9 hrs with SK 50/SK 3063
	> 2.5 hrs with SK 250

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Operating time with NiMH  
rechargeable batteries

BA 50	> 6 hrs
BA 250	> 10 hrs

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Charging time with  
L 50 charger

max. 2.5 hrs (depending on  
the residual charge of the  
rechargeable batteries)

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## Type approvals

Area	Conformity
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USA:	FCC-Part 74.861
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	FCC ID: DMOSK3063U
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Canada:	RSS-123
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	IC: 2099A-SK3063U
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EU:	<b>CE 0682</b> ⓘ
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Complies with the Radio, EMC and Safety requirements  
(R&TTE):

- EN 300422-1/-2, class II
  - EN 300454-1/-2
  - EN 301489-1/-9
  - EN 60065
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Ru:	
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	№ POCC DE.MJI05.H00180
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## Accessories

The following accessories are available from your specialist dealer:

Cat. No.	Accessory/spare part
003972	SK 50-T transmitter bag

# Manufacturer declarations

## Warranty

Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on this product. For the current warranty conditions, please visit our web site at [www.sennheiser.com](http://www.sennheiser.com) or contact your Sennheiser partner.

## CE Declaration of Conformity

**CE 0682** 

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EU. The declaration is available on the internet site at [www.sennheiser.com](http://www.sennheiser.com). Before putting the equipment into operation, please observe the respective country-specific regulations!

## Batteries



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

## WEEE Declaration



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

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

## 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.

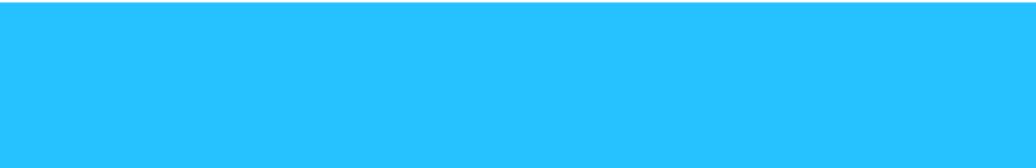
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate 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!



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