

A woman with dark hair, wearing a bright green button-down shirt and dark trousers, is holding a black Sennheiser microphone. She is gesturing with her right hand as if speaking. The background is a blurred gallery with framed pictures on the wall.

Making Your Tour
'State of the Art'

tourguide 2020-D

 **SENNHEISER**



HDE 2020-D-II Makes sure that everyone will understand you: tourguide 2020-D is the unique guided tour system for any city or business tour, ensuring that you will be heard both clearly and distinctly. Your audience will simply need to wear a stethoset tourguide receiver that is comfortable to wear and despite containing so much technology weighs just 70 grams. This truly unique device integrates both the receiver and headphones and delivers a number of advantages for you.

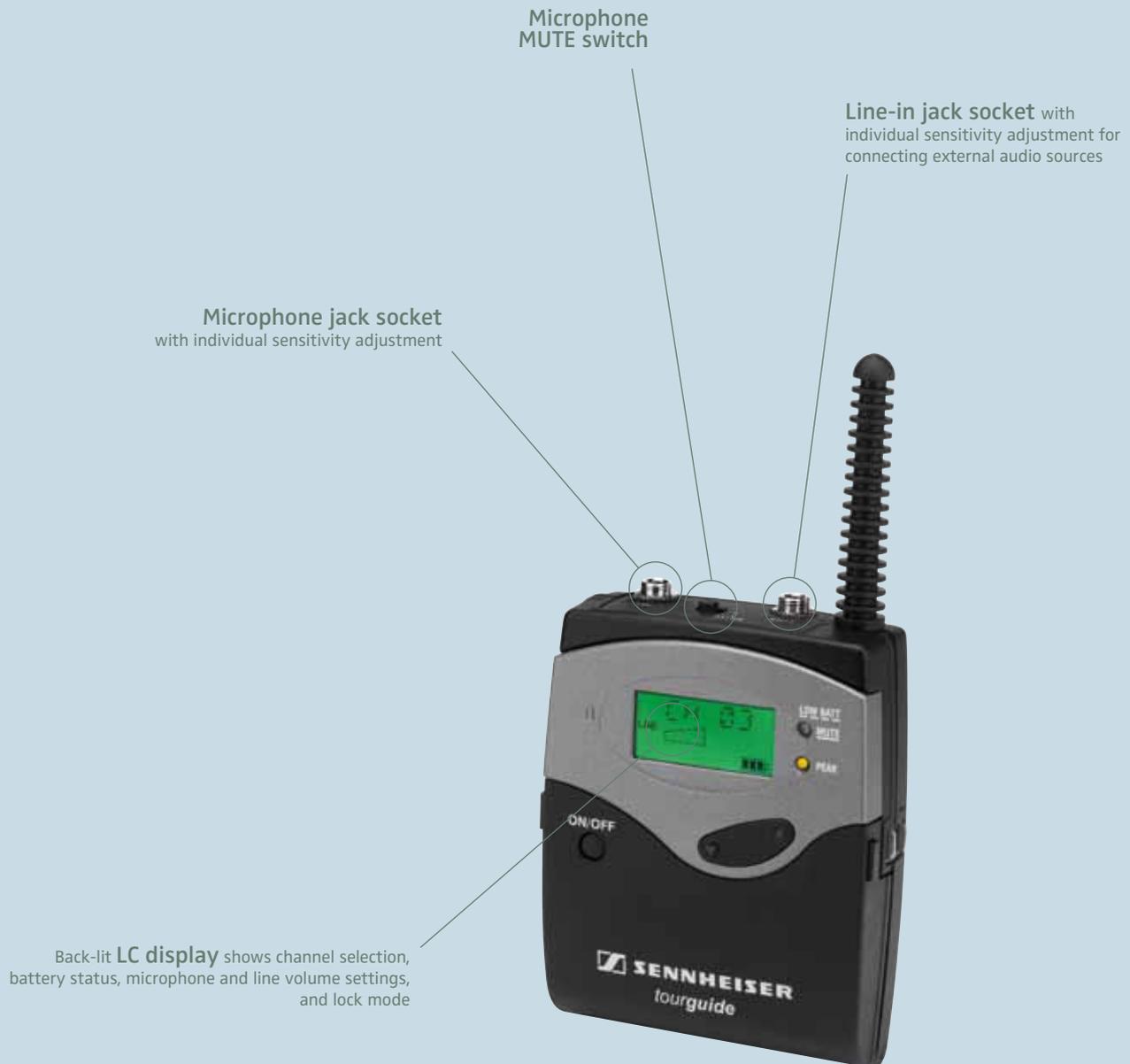
No longer will your audience have to carry any more equipment than is absolutely necessary. The receiver being a one piece device, they will no longer risk a tangle of cables! The powerful battery ensures that the device will work for up to 8 hours. Regardless of whether you are providing your tour in a big city or a large corporation, tourguide 2020-D will ensure that your tour will proceed without interruption. The stethoset receiver automatically deactivates itself the moment that it is taken off, meaning battery life will be preserved. No longer will the tourguide need to check all of the sets after one tour finishes and before the next tour starts.

Your tour participants will be able to individually adjust the volume through a rotary control on the receiver, without the need to even take the device off. An LC display will clearly confirm the volume, battery status, quality of reception and the channel being listened to. Channels can easily be set and adjusted by using the middle buttons.



EK 2020-D-II Round off your Sennheiser Tourguide System with the EK 2020-D-II receiver. Whether conferences, guided tours or hearing assistance: this extremely sturdy and versatile bodypack receiver provides excellent audio and ease of use for your guests. The EK 2020-D-II can be used with headphones or an induction neckloop for transmitting the sound to hearing aids equipped with a T coil. Digital transmission ensures optimum reception quality, with a range of up to 100 metres outdoors and around 50 metres indoors. The backlit receiver display shows all settings at a glance. Of course, the bodypack receiver can be used in mixed systems with stethoset receivers.

EK 2020-D-II: just right for everyone. All your guests need to do is connect their headphones or induction neckloop to the receiver. That's it! The receiver can conveniently be clipped to the shirt pocket or worn on a lanyard. When no signal is received, or when the headphones or neckloop are disconnected, the receiver will automatically switch off to save battery life. The operating time is up to 16 hours.



Microphone
MUTE switch

Line-in jack socket with
individual sensitivity adjustment for
connecting external audio sources

Microphone jack socket
with individual sensitivity adjustment

Back-lit LC display shows channel selection,
battery status, microphone and line volume settings,
and lock mode

SK 2020-D **Hands free:** tourguide will allow you to deliver a highly professional guided tour. Combining a bodypack transmitter with an HS 2 headworn microphone, it will give you total freedom of movement during your tour. You will have both hands free to describe an object, make a presentation and express your point. The transmitter can be easily and comfortably operated, and is highly robust. The back-lit display confirms channel choice and the status of the battery. Two jacks for the microphone and line ensure variable utilization. For example, you will be able to transmit an external audio source such as music from a portable CD player via your transmitter and continue to talk or mute the microphone.



HS 2-ew **No restrictions anymore:** The hands-free headset microphone will enable you to comfortably and easily present anything that you wish to present. As an alternative, you can use any microphone designed for the evolution wireless G2 range—this includes the HSP 2-ew, HSP 4-ew, MKE 2-ew, etc. Total flexibility and total convenience to further enhance your tour.

Sound inlet basket



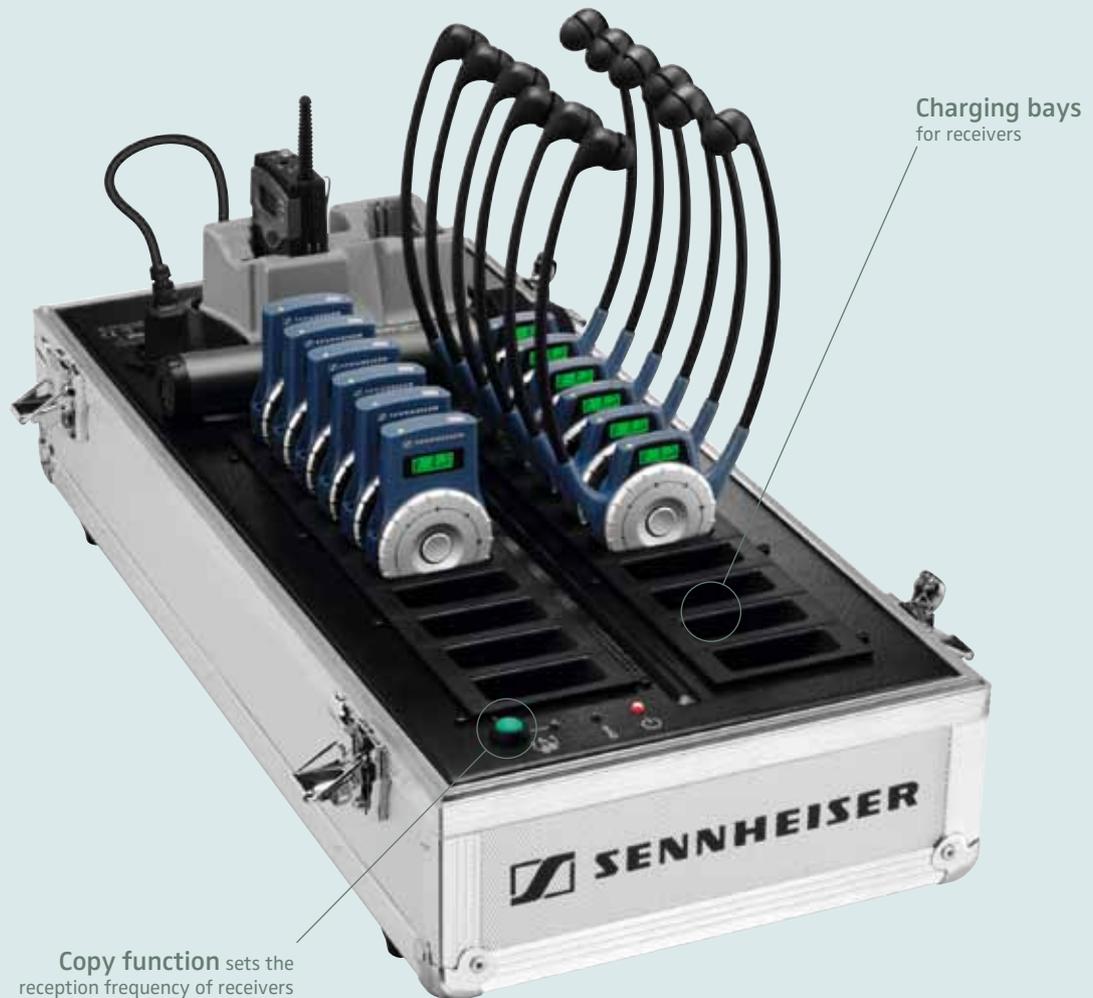
Turnable and removable cap
to protect the operating controls

Battery compartment

On/Off button

SKM 2020-D **Involve your audience:** Speaking into a hand-held microphone is the easiest way to address your audience. Should a tour participant pose a question, just hand over the microphone and everything will get clearly through to everybody. Interviewing an expert in front of your audience will make your tour even more interesting.

Defeat noisy environment: The SKM 2020-D efficiently attenuates unwanted background noise. The transmitter is easy and comfortable to operate and highly robust. Check the back-lit display for channel and battery status. The battery pack operates throughout a whole day. After the tour, simply quick-charge the battery. The charging case has an extra slot to charge and store a spare pack.



Copy function sets the reception frequency of receivers

Charging bays for receivers

EZL 2020-20 L **There is more inside:** The charger case has been designed to be highly user-friendly. It acts as both the storage case for all equipment and charging station for the tourguide receivers and transmitter. Twenty charging bays for the receivers and two charging bays for the transmitter—or its rechargeable battery pack—are provided. A truly impressive feature of the charging case is the Copy button. All you need to do is set one receiver to the correct channel, press the copy button just once, and all of the other receivers in the case will immediately be set to the same channel.

Technical Data

HDE 2020-D-II



Modulation	2 FSK
HF frequency range	863–865 MHz
HF frequency range (US)	926–928 MHz
Channels	6
Frequency response	100–7,000 Hz
Headphone output	–
Min. headphone impedance	32 Ω
THD at 1 kHz	< 1 %
operating time	approx. 8 h
power supply	Lithium polymer battery, 830 mAh
Admissible ambient temperature	0–50 °C
Dimensions	approx. 245 x 125 x 20 mm
Weight	approx. 70 g

EK 2020-D-II



Modulation	2 FSK
HF frequency range	863–865 MHz
HF frequency range (US)	926–928 MHz
Channels	6
Frequency response	100–7,000 Hz
Headphone output	max. 10 mW/ 32 Ω
Min. headphone impedance	32 Ω
THD at 1 kHz	< 1 % bei 10 mW
operating time	approx. 16 h
power supply	Lithium polymer battery, 1500 mAh
Admissible ambient temperature	0–50 °C
Dimensions	approx. 98 x 61 x 24 mm
Weight	approx. 75 g

SK 2020-D



Modulation	2 FSK
RF frequency range	Europe: 863–865 MHz/USA: 926–928 MHz
Channels	6
Frequency response	100–7,000 Hz
Max. mic/line input voltage	microphone: 650 mV _{rms} line: 2 V _{rms}
Typical operating time	8 hrs
Power supply	battery pack BA 2015, 2.4 V or 2 AA size batteries, 1.5 V
Dimensions	approx. 82 mm x 64 mm x 24 mm
Weight (incl. BA 2015 battery pack)	approx. 160 g
Range	outdoors: up to approx. 100 m (25 m for USA variant) indoors: up to approx. 50 m (25 m for USA variant)

HS 2-ew



Pick-up pattern	omni-directional
Frequency response	20–20,000 Hz ± 3 dB
Sensitivity (free field, no load, 1 kHz)	5 mV/Pa ± 3 dB
Nominal impedance	1,000 Ω
Min. terminating impedance	4.7 kΩ
Equivalent noise level	A-weighted (DIN IEC 651) CCIR-weighted (CCIR 468-1)
Max. sound pressure level	26 dB 39 dB
Power supply	142 dB
Connector	18 kΩ/7.5 V
Cable length	3.5 mm lockable mini-jack
Diameter of the microphone	1.6 m
Weight (incl. cable)	4.8 mm 34.4 g

SKM 2020-D



Modulation	2 FSK
RF frequency range	Europe: 863–865 MHz/USA: 926–928 MHz
Channels	6
Frequency response	100–7,000 Hz
Transducer; Microphone type	dynamic
Pick-up pattern	cardioid
Typical operating time	8 hrs
Power supply	battery pack BA 2015, 2.4 V or 2 AA size batteries, 1.5 V
Dimensions	d= 50 mm, l= 225 mm
Weight (incl. BA 2015 battery pack)	approx. 420 g

EZL 2020-20 L



Ambient temperature during charging	0–40 °C
AC mains voltage	100–240 V AC (50/60 Hz)
Power consumption	max. 70 W
Charging voltage for HDE 2020	4.7–5.5 V
Charging current per HDE 2020 bay	typ. 400 mA
Charging time HDE 2020	approx. 2.5 hrs
Charging voltage for SK 2020/BA 2015	typ. 2.0–3.4 V
Charging current per SK 2020/BA 2015 bay	typ. 500 mA
Charging time SK 2020/BA 2015	approx. 3.5 hrs
Overload threshold for SK 2020/BA 2015	typ. 3.9 V
Dimensions	approx. 600 mm x 270 mm x 380 mm
Weight (empty)	approx. 8.3 kg

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