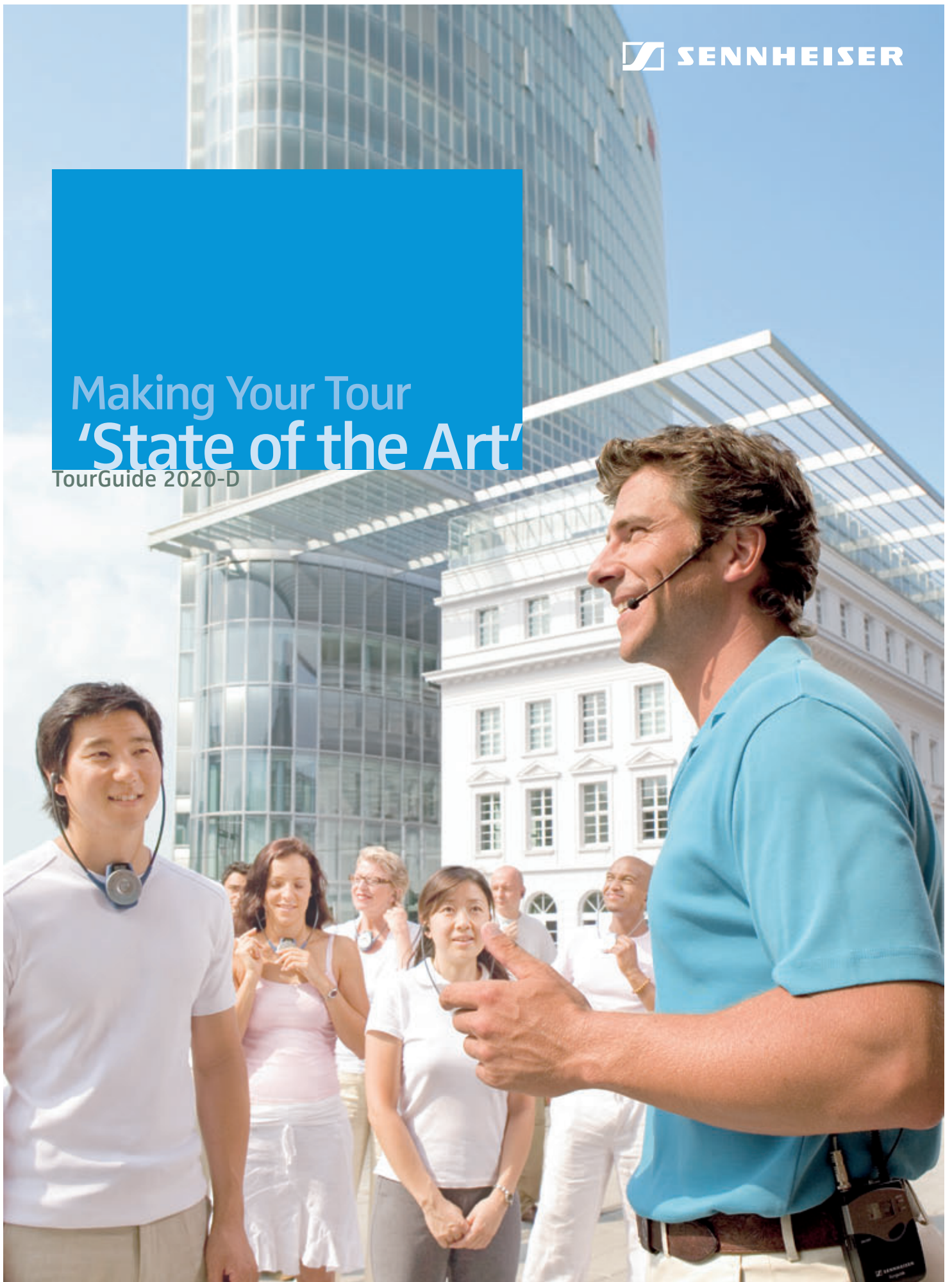
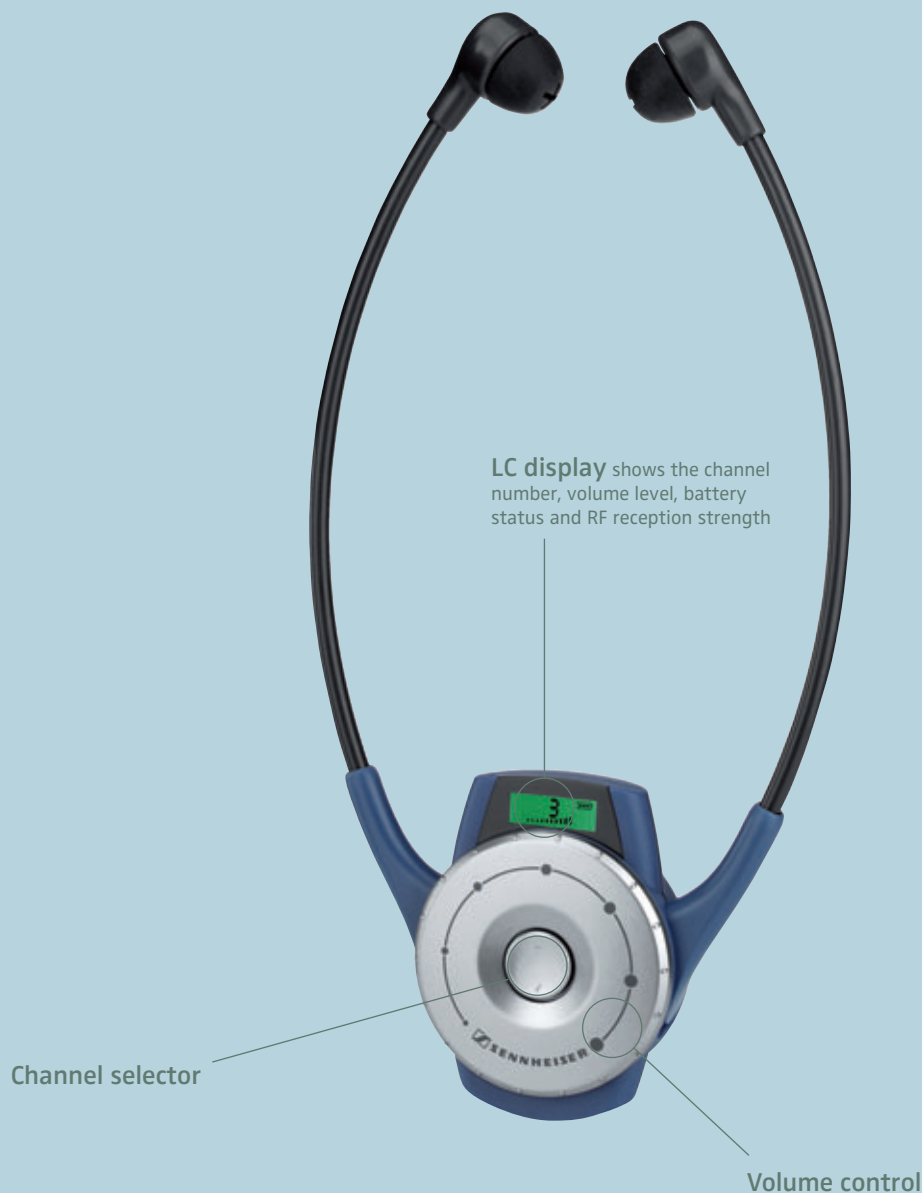


Making Your Tour 'State of the Art'

TourGuide 2020-D

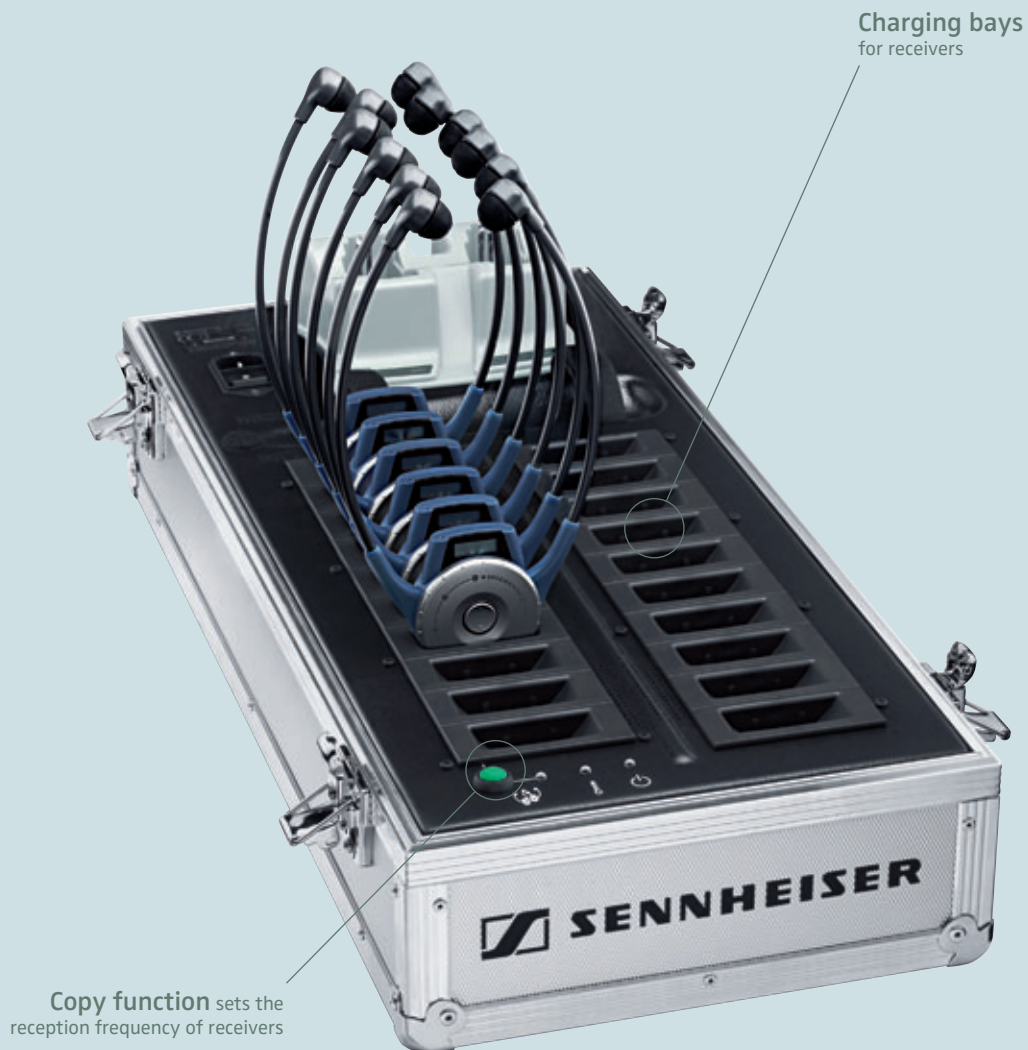




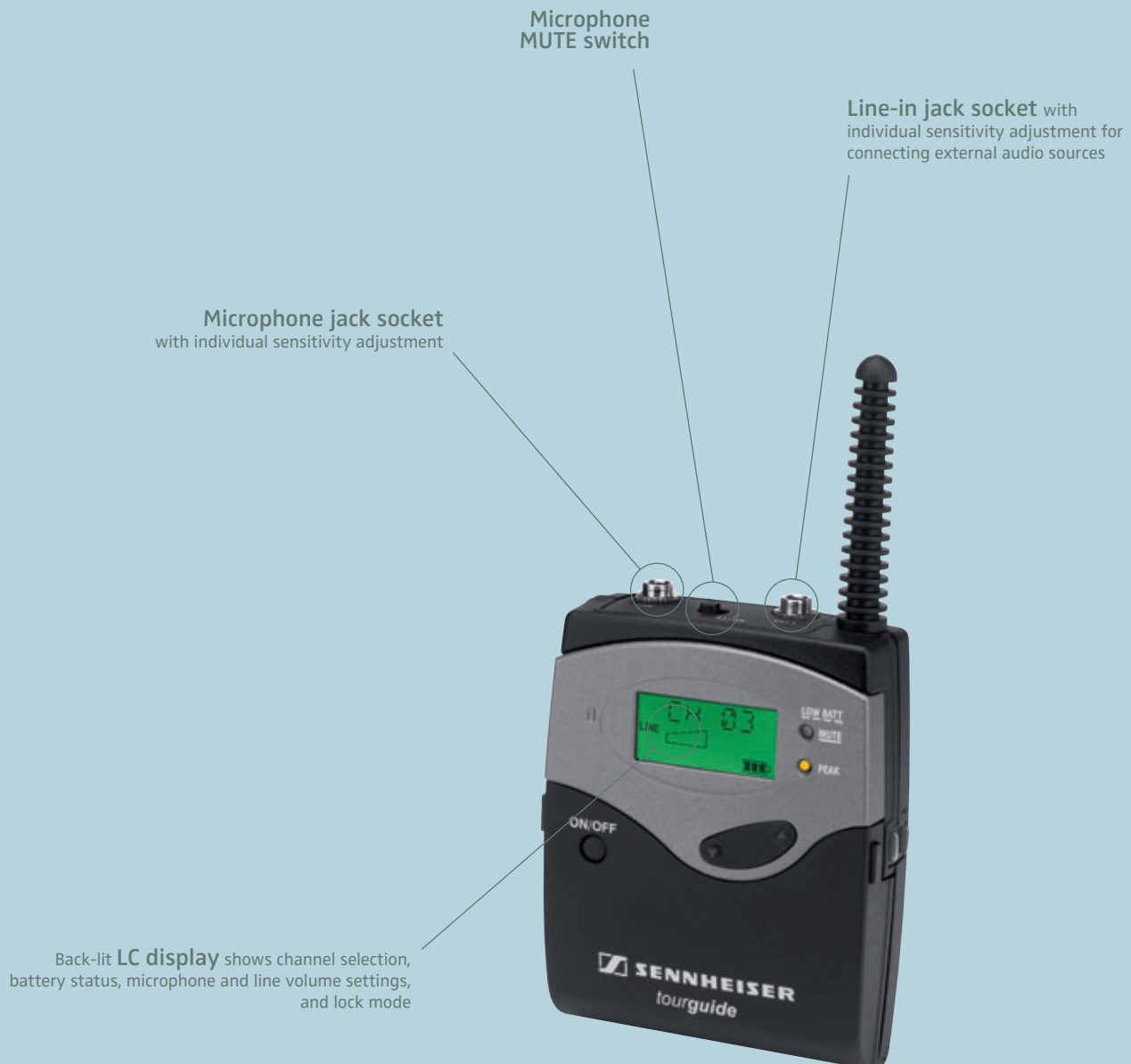
HDE 2020-D Makes sure that everyone will understand you: TourGuide 2020-D is the unique guided tour system for any city or business tour, ensuring that you will be heard both clearly and distinctly. Your audience will simply need to wear a stethoset TourGuide receiver that is comfortable to wear and 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. 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.



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. Truly impressive feature of the charging case is the Copy button. All you need do is to set one receiver to the correct channel, press this button just once, and all of the other receivers in the case will immediately be set to the same channel.



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.



You can guide your tour into the digital age too

Spare your voice: Whether you provide a tour of a city, museum, or business it can now be further enhanced with our unique guided tour system "TourGuide 2020-D". This is the first system in the world to use digital RF wireless transmission in the ISM band. No longer will you have to raise your voice or indeed have to shout! On the contrary, you can relax and clearly communicate with your group at normal conversation level. It is so simple—all you need to do is to speak into a microphone and the participants of your tour will hear your voice loud and clear thanks to highly impressive stethoset headphones. Based on a digital transmission technique, the new TourGuide 2020-D system will also ensure that every word will reach your audience without any background noise or interference. This means that they will be able to pay complete attention while you successfully guide them through your tour.

TourGuide 2020-D follows our previous highly successful "Infoport" systems, yet has been upgraded to incorporate the very latest digital technology, delivering even better sound quality. Furthermore, the system simply requires type certification by the manufacturer and no user licensing is required. This means that individual users will not have to register the equipment with the relevant national licensing authorities.

Technical Data

HDE 2020-D



Modulation	2 FSK
RF frequency range	Europe: 863–865 MHz / USA: 926–928 MHz
Channels	6
Frequency response	100–7,000 Hz
Sound pressure level	120 dB SPL at 1 kHz
THD at 1 kHz	< 1 %
Typical operating time	8 hrs
Power supply	Lithium polymer battery, 830 mAh
Dimensions	245 mm x 125 mm x 20 mm
Weight	70 g

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

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

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)

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	26 dB
A-weighted (DIN IEC 651)	39 dB
CCIR-weighted (CCIR 468-1)	
Max. sound pressure level	142 dB
Power supply	18 kΩ/7.5 V
Connector	3.5 mm lockable mini-jack
Cable length	1.6 m
Diameter of the microphone	4.8 mm
Weight (incl. cable)	34.4 g

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	26 dB
A-weighted (DIN IEC 651)	39 dB
CCIR-weighted (CCIR 468-1)	
Max. sound pressure level	142 dB
Power supply	18 kΩ/7.5 V
Connector	3.5 mm lockable mini-jack
Cable length	1.6 m
Diameter of the microphone	4.8 mm
Weight (incl. cable)	34.4 g



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