

# 2020-D<sup>RF</sup> Assistive Listening System

The TG 2020-D-US digital RF assistive listening and language transmission system is designed for a variety of installed and rental applications. The system offers reliable premium-quality sound with the added freedom and versatility of RF wireless transmission technology. With flexible components, simple operation and quick set-up, this system is an ideal choice for use in nearly any setting, including theaters, houses of worship, conferences, schools, universities and much more!



## SR 2020-D-US

Single channel rack-mount transmitter



- Up to 8 available channels in the license-free ISM band
- 19" rack-mount kit included
- Intuitive configuration menu
- Backlit display indicates selected channel and microphone or line level
- Balanced XLR-3F input, switchable mic/line
- Switchable 48 V phantom powering supports professional condenser mics
- 1/4" headphone socket for front-panel monitoring
- Expandable coverage with remote mount antennas

## HDE 2020-D-US

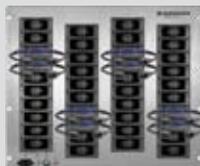
Stethoset receiver



- Offers six channels of reliable, high-quality digital RF audio
- Configurable for up to eight channels with L2021-40
- Lightweight design with easy-to-adjust channel and volume levels
- Automatic on/off
- Backlit display offers channel, RF signal strength, volume level and battery status
- Integrated rechargeable battery offers up to 8 hours of use and quickly recharges in less than 3 hours
- Convenient charging with the new L2021-40 rack-mount charger or the EZL2020-20L charger case
- Compatible with SK2020-D-US and SKM2020-D-US portable transmitters for integration of mobile or broadcast applications (up to 6 channels)

## L2021-40

Charger



- Designed for rack-mount installation or table-top use
- Charges up to 40 HDE 2020-D-US receivers in less than 2.5 hours
- Convenient "Copy" feature sets all receivers to the same channel and returns the volume to default level
- Includes the CC 2021 Conference Control Software for optional PC connection and control
- Software allows for easy monitoring and configuration of receivers, including selection from 6 to 8 channel mode

# Technical Data

## HDE 2020-D-US

Receiver

Modulation	2 FSK
RF frequency range	926–928 MHz
Channels	6, configurable to 8
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
Admissible ambient temperature	0°–50°C
Dimensions	9.6 x 4.9 x .8 inches
Weight	2.6 oz.

## SR 2020-D-US

Transmitter

Modulation	2 FSK
RF frequency range	926–928 MHz
Channels	6, configurable to 8
HF output (USA)	1 mW (ERP)
Frequency response	100–7,000 Hz
Audio input sockets	XLR-3, Bal./Unbal.
Max. mic/line input voltage	microphone: 650 mVrms line: 2 Vrms
Phantom power	48 V (switchable)
Headphone socket	¼" (6.3 mm)
Headphone output	max. 100 mW at 32 Ω
Power supply	12 V DC (10.5 V–16 V)
Power consumption	max. 300 mA
Admissible ambient temperature	0°–50°C
Dimensions	8.35 x 5.71 x 1.5 inches (1/2 19" x 1U)
Weight	2.43 lbs
Range	up to approx. 80 ft. indoors, 160 ft. outdoors

## L 2021-40

Charger

Power supply	100–240 VAC (50/60 Hz)
Ethernet connection	RJ 45 CAT.5e
Power consumption	max. 150 W
Dimensions	19.02 x 15.71 x 6.77 inches (19" x 9U)
Admissible ambient temperature while charging	0°–40°C
Weight	19.4 lbs

## CC 2021

Control software

Central channel and configuration management software for up to 125 charging racks L 2021-40 and up to 5000 receivers HDE 2020-D

Reception mode switchable for 6- or 8-channel operation

Pre-selection of available language channels

Pre-selection of default channel

Complete monitoring of receiver operation



## Accessories

EZL 2020-20L	Carrying case with charger for (20) HDE2020-D-US receivers. Offers auto "set all" to same frequency feature
SRANT4F	Antenna combiner package for up to four transmitters using front-mount antenna. Includes one AC2/NT3 Custom antenna combiner and one AM2 front-mount antenna mounting kit.
SRANT4R	Antenna combiner package for up to four transmitters using remote antenna. Includes one AC2/NT3 Custom antenna combiner and one A2003-UHF wideband passive directional antenna.
SRANT8F	Antenna combiner package for up to eight transmitters using front-mount antenna. Includes one AC3000 Custom antenna combiner and one AM2 front-mount antenna mounting kit.
SRANT8R	Antenna combiner package for up to eight transmitters using remote antenna. Includes one AC2/NT3 Custom antenna combiner and one A2003-UHF wideband passive directional antenna.
AC2/NT3 custom	Antenna RF combiner kit with power supply for up to four SR2020-D-US transmitters to one antenna. Custom modified for 926 - 928 MHz.
AC3000 custom	Active broadband antenna combiner for up to eight SR2020-D-US transmitters to one antenna, 1 RU. Custom modified for 926 - 928 MHz.
AM2	BNC connecting cables for front-mounting two antennas
A2003-UHF	Wideband passive directional antenna
A5000CP	Passive circularly-polarized UHF antenna
BB1	1 ft coaxial cable with BNC connectors, cable type RG58
BB3	3 ft coaxial cable with BNC connectors, cable type RG58
BB6	6 ft coaxial cable with BNC connectors, cable type RG58
BB25	25 ft coaxial cable with BNC connectors, cable type RG58
BB100	BNC to BNC RG58, 100 ft
BFBF	BNC to BNC "barrel-style" coupler, joins two BNC coax cables together
WM1	Wall/ceiling mount with 5/8 inch thread and hardware for mounting of antennas
GZG1029/ GZP10	Wall/ceiling mount with swivel ball joint for mounting of antennas
EP405L	Latex ear cushions for HDE2020-D-US (pair)
EP405L-TRA	Latex ear cushions, transparent for HDE2020-D-US (pair)