

FEATURES

- Clear and intuitive OLED display with self-explanatory menu structure for easy handling and quick set-up
- Self-configuration of multiple receivers – no manual frequency settings necessary
- License-free 2.4 GHz band, no registration costs
- Rugged metal housing

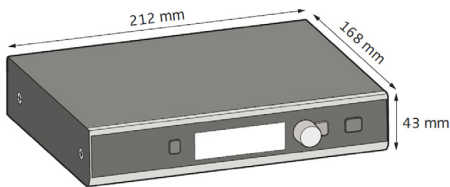
SCOPE OF SUPPLY

- EM D1 rackmount receiver
- 2 antennas
- Power supply
- GA 4 rackmount kit
- User manual



■ GA 4 rackmount kit for EM D1

DIMENSIONS



DESCRIPTION

The EM D1 is a 1/2 19" digital wireless receiver for HD Live Sound. Its clear and intuitive OLED display offers a self-explanatory menu structure for easy handling and quick set-up operating in a license-free 2.4 GHz band. Its automatic channel management and self-configuration of several receivers in parallel operation eliminates the need for manual settings. EM D1 comes in rugged, stage-proof metal housing, with 2 antennas, power supply and a rackmount kit.

TECHNICAL DATA

SYSTEM	
AF frequency response	20 to 20.000 Hz
Dynamic range	> 135 dB (A)
THD (1 kHz)	typ. < 0,1 %
Audio sampling	24 bit/48 kHz
Signal-to-noise ratio	≥ 105 dB (A)
RF frequency ranges	2,400 to 2,483.5 MHz
Modulation	GFSK with back channel
Transmission method	TDMA
time diversity	
frequency diversity	
fast switching antenna diversity	
Latency	3.9 ms
Audio codec	APT-X Live
Temperature range*	relative air humidity max. 95 %
	Operation: – 10 °C to +55 °C
	Storage: – 20 °C to +70 °C
	* The temperature range is influenced by the battery characteristics

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FRONT



BACK



TECHNICAL DATA

EM D1	
RF sensitivity	<-90 dBm
RF output power	back channel 10 mW/100 mW (country-specific)
Audio output level gain	Mic/line level switch -24 dB/0 dB XLR, balanced max +18 dBu Jack, unbalanced/balanced max +12 dBu/max +18 dBu
Audio effects	
Low cut	-3 dB at 120 Hz
Equalizer	7-band graphic equalizer
De-esser	multi-frequency targets
Automatic gain control (AGC)	compression/expansion with automatic make-up gain function
Display	OLED
AF connection sockets	XLR/1/4" (6.3 mm) jack
Antenna sockets	2 x Rev-SMA
Network socket	RJ45
Network protocol	Media Control Protocol TCP/IP IPv4 (DHCP, Manual)/IPv6
Power supply	12 V DC hollow jack
Current consumption	350 mA
Weight	approx. 824 g

PRODUCT VARIANTS

505808	EM D1-H-EU	Stationary Receiver, EU power supply
505817	EM D1-H-UK	Stationary Receiver, UK power supply
505828	EM D1-NH-US	Stationary Receiver, US power supply
505848	EM D1-NH10	Stationary Receiver, US power supply
506154	EM D1-NH-NT	Stationary Receiver, multiple adapter power supply