

VOCAL SET

ew D1-835-S, ew D1-845-S, ew D1-935, ew D1-945

evolution wireless D1

FEATURES

- Choice of various microphone heads from the renowned evolution series
- Up to 15 compatible channels (under optimal conditions) in license-free 2.4 GHz band
- Automatic frequency management
- Prevents interference: Intelligent channel back-up allows co-existence with Wi-Fi & Bluetooth
- Audio effects: equalizer, de-esser, automatic gain control
- iOS app for remote control and monitoring of the system
- Rugged metal housing



SCOPE OF SUPPLY

- EM D1 rackmount receiver
- SKM D1 handheld transmitter
- MZQ microphone clamp
- Power supply
- Battery holder
- 2 AA batteries
- Transport Case
- User Manual

RECOMMENDED ACCESSORIES

- GA 4 rackmount kit for EM D1
- BA 10 rechargeable battery pack for SKM D1
- CHG-2 charging unit for SKM D1 and SK D1

DESCRIPTION

HD Live sound, highest range and the choice of various microphone heads from the renowned evolution series: with the digital D1 VOCAL SET, every singer has a system whose parts are perfectly attuned to one another. Intelligent channel back-up allows co-existence with Wi-Fi and Bluetooth. The system operates in a license-free 2.4 GHz band and can be monitored via remote control iOS app. The system comes in a rugged transport case consisting of an EM D1 1/2 19" rackmount receiver, an SKM D1 handheld transmitter, a microphone clamp, power supply, battery holder and 2 AA batteries.

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

Continued on page 2

TECHNICAL DATA

SKM D1

RF output power100mW/adaptive or 10mW
(country-specific)
AF frequency response50 to 20,000 Hz
Input sensitivityautomatic sensitivity adjustment

Power supply

Batteries.....2 x AA size battery (1.5 V)
Accupack*BA 10 (Li-Ion, 3.7 V)

Operating time

Batteries.....typ. 6 h
Accupack*typ. 11 h
DisplayLCD
Weight (w/o batteries)approx. 280 g incl. microphone head
* optional accessory

EM D1

RF sensitivity<-90 dBm
RF output powerback channel 10 mW/100 mW (country-specific)
Audio output level gainMic/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
Equalizer7-band graphic equalizer
De-essermulti-frequency targets
Automatic gain control (AGC)compression/expansion with automatic
make-up gain function

Display

.....OLED
AF connection socketsXLR/1/4" (6.3 mm) jack
Antenna sockets2 x Rev-SMA
Network socketRJ45
Network protocolMedia Control Protocol
TCP/IP IPv4 (DHCP, Manual)/IPv6

Power supply

.....12 V DC hollow jack

Current consumption350 mA

Weightapprox. 824 g

MICROPHONE CAPSULES

MMD 835-1

Microphone type dynamic
Sensitivity 2.1 mV/Pa
Pick-up pattern cardioid
Max. SPL 154 dB SPL

MMD 845-1

Microphone type dynamic
Sensitivity 1.6 mV/Pa
Pick-up pattern supercardioid
Max. SPL 154 dB SPL

MMD 935-1

Microphone type dynamic
Sensitivity 2.5 mV/Pa
Pick-up pattern cardioid
Max. SPL 130 dB SPL

MMD 935-1

Microphone type dynamic
Sensitivity 1.8 mV/Pa
Pick-up pattern supercardioid
Max. SPL 150 dB SPL

CONNECTIONS

EM D1

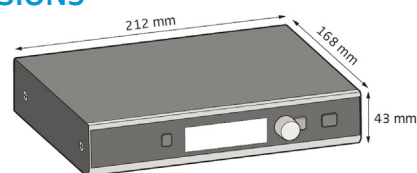


PRODUCT VARIANTS

505803 ew D1-835S-H-EUVocal Set, e 835 switch, 10mW
505804 ew D1-845S-H-EUVocal Set, e 845 switch, 10mW
505806 ew D1-935-H-EUVocal Set, e 935, 10mW
505807 ew D1-945-H-EUVocal Set, e 945, 10mW
505812 ew D1-835S-H-UK.....Vocal Set, e 835 switch, 10mW
505813 ew D1-845S-H-UK.....Vocal Set, e 845 switch, 10mW
505823 ew D1-835S-NH-USVocal Set, e 835 switch, 100mW
505824 ew D1-845S-NH-USVocal Set, e 845 switch, 100mW
505843 ew D1-835S-NH10Vocal Set, e 835 switch, 10mW
505844 ew D1-845S-NH10Vocal Set, e 845 switch, 10mW
506151 ew D1-835S-NH-NTVocal Set, e 835 switch, 100mW
506152 ew D1-845S-NH-NTVocal Set, e 845 switch, 100mW

DIMENSIONS

EM D1



SKM D1

