# LAVALIER MIC SET

ew D1-ME2

evolution wireless D1

## FEATURES

- Unobtrusive professional clip-on microphone
- 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 & Android app for remote control and monitoring of the system
- Rugged metal housing

## SCOPE OF SUPPLY

- EM D1 rackmount receiver
- SK D1 bodypack transmitter
- ME 2 clip-on microphone
- Power supply
- Battery holder
- 2x AA batteries
- Transport case
- User manual

## RECOMMENDED ACCESSORIES

- GA 4 rackmount kit for EM D1
- BA 30 rechargeable battery pack for SK-D1
- CHG-2 charging unit for SKM D1 and SK-D1

## DESCRIPTION

HD Live sound and highest range: the digital D1 LAVALIER MIC SET operates in a license-free 2.4 GHz band and can be monitored via remote control iOS and Android app. Intelligent channel back-up allows co-existence with Wi-Fi and Bluetooth. The system comes in a rugged transport case consisting of an EM D1 1/2 19'' rackmount receiver, a lightweight SK D1 bodypack transmitter, an unobstrusive clip-on microphone for excellent speech intelligibility, 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 %<br>Operation: – 10 °C to +55 °C<br>Storage: – 20 °C to +70 °C |

* The temperature range is influenced by the battery characteristics

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# LAVALIER MIC SET ew D1-ME2

evolution wireless D1

## TECHNICAL DATA

**SK D1**

| | |
|---|---|
| RF output power | 100mW/adaptive or 10mW (country-specific) |
| AF frequency response | |
| Mic | 50 to 20,000 Hz |
| Line | 20 to 20,000 Hz |
| Max. input level | |
| Mic | 2.2 V RMS |
| Line | 3.3 V RMS |
| Line input impedance | 1 MΩ |
| Input sensitivity | automatic sensitivity adjustment |
| Power supply | |
| Batteries | 2 x AA size battery (1,5V) |
| Accupack* | BA 30 (Li-Ion, 3.7V) |
| Operating time | |
| Batteries | typ. 6 h |
| Accupack* | typ. 11 h |
| AF connection socket | 3.5 mm jack socket, lockable |
| Weight (w/o batteries) | approx. 85 g |
| | * optional accessory |

**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<br>XLR, balanced max +18 dBu<br>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/¼" (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 |

## MICROPHONE

**ME 2**

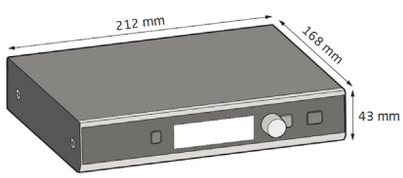
| | |
|---|---|
| Microphone type | pre-polarized condenser |
| Sensitivity | 20 mV/Pa |
| Pick-up pattern | omni-directional |
| Max. SPL | 130 dB SPL |

## CONNECTIONS

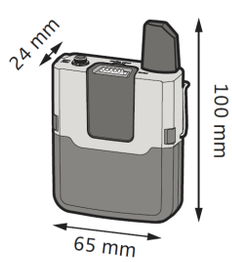
**EM-D1**

## DIMENSIONS

EM D1




**SK D1**




## PRODUCT VARIANTS

| | | |
|---|---|---|
| 505800 | ew D1-ME2-H-EU | Lavalier Mic Set, 10mW |
| 505809 | ew D1-ME2-H-UK | Lavalier Mic Set, 10mW |
| 505820 | ew D1-ME2-NH-US | Lavalier Mic Set, 100mW |
| 505840 | ew D1-ME2-NH10 | Lavalier Mic Set, 10mW |
| 506148 | ew D1-ME2-NH-NT | Lavalier Mic Set, 100mW |