

# COMPONENT SPECIFICATIONS

## ULXD2 WIRELESS HANDHELD TRANSMITTER

### OVERVIEW

The Shure ULXD2 is a handheld wireless transmitter compatible with ULX-D® Digital Wireless Systems. Offering premium 20 Hz - 20 kHz audio quality, advanced rechargeability options, and a wide selection of interchangeable Shure microphone heads, the ULXD2 delivers uncompromising wireless performance for professional sound reinforcement applications. The ULXD2 is offered with SM58®, SM86, SM87A, Beta 58A®, Beta 87A, and Beta 87C.

- 20 Hz to 20 kHz range with flat frequency response (actual response is microphone dependent)
- AES 256-bit encryption-enabled for applications where secure transmission is needed
- >120 dB dynamic range
- 1, 10, and 20 mW selectable RF output power
- 5 segment battery fuel gauge
- Shure lithium-ion rechargeable battery pack provides up to 9 hours of battery life, precision metering, and zero memory effect
- Up to 8 hours continuous use with 2 x AA batteries
- Backlit LCD with easy to navigate menu and controls
- Available with TA4M and LEM03 input connectors
- 100 meter (300 ft) operating range
- Rugged metal construction
- Frequency and power lockout

### SPECIFICATIONS (SUBJECT TO CHANGE)

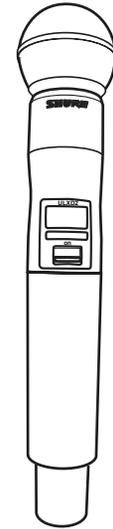
|                                |  |
|--------------------------------|--|
| <b>Gain Offset Range</b>       | 0 to 21 dB (in 3 dB steps)   |
| <b>Battery Type</b>            | Shure SB900A Rechargeable Li-Ion or LR6 AA batteries 1.5 V   |
| <b>Battery Runtime @ 10 mW</b> | Shure SB900A: up to 9<br>Alkaline: 8 hours<br>See Battery Runtime Chart                                      |
| <b>Dimensions</b>              | 256 mm x 51 mm (10.1 in. x 2.0 in.) L x Dia.<br>V50, V51 Bands: 278 mm x 51 mm (10.9 in. x 2.0 in.) L x Dia. |
| <b>Weight</b>                  | 340 g (12.0 oz.), without batteries<br>V50, V51 Bands: 348 g (12.3 oz.), without batteries                   |
| <b>Housing</b>                 | Machined aluminum  |

#### AUDIO INPUT

|   |  |
|---|--|
| <b>Configuration</b>  | Unbalanced   |
| <b>Maximum Input Level 1 kHz at 1% THD</b>  | 145 dB SPL (SM58), typical<br>Note: Dependent on microphone type |
| <b>Preamplifier Equivalent Input Noise (EIN)<br/>System Gain Setting &gt; +20</b> | 120 dBV, A-weighted, typical                                     |

#### RF OUTPUT

|                           |  |
|---------------------------|--|
| <b>Antenna Type</b>       | Integrated Single Band Helical   |
| <b>Occupied Bandwidth</b> | <200 kHz   |
| <b>Modulation Type</b>    | Shure Proprietary Digital  |
| <b>Power</b>              | 1 mW, 10 mW, 20 mW<br>See Frequency Range and Output Power table, varies by region |



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Wireless Handheld Transmitter

#### MICROPHONE OPTIONS (See shure.com for more)

|                |   |
|----------------|---|
| <b>WL93</b>    | WL93 condenser capsule, omnidirectional lavalier mic              |
| <b>WL183</b>   | WL183 condenser capsule, omnidirectional lavalier mic             |
| <b>WL184</b>   | WL184 condenser capsule, supercardioid lavalier mic               |
| <b>WL185</b>   | WL185 condenser capsule, cardioid lavalier mic                    |
| <b>WL50</b>    | WL50 condenser capsule, omnidirectional lavalier mic              |
| <b>WL51</b>    | WL51 condenser capsule, cardioid lavalier mic                     |
| <b>SM31FH</b>  | SM31FH condenser capsule, moisture repellent cardioid headset mic |
| <b>SM35</b>    | SM35 condenser capsule, cardioid headset mic                      |
| <b>WCM16</b>   | WCM16 condenser capsule, hypercardioid headworn mic               |
| <b>WBH53</b>   | WBH53 condenser capsule, omnidirectional headworn mic             |
| <b>WBH54</b>   | WBH54 condenser capsule, supercardioid headworn mic               |
| <b>WB98H/C</b> | WB98H/C condenser capsule, cardioid instrument clip mic           |

