Shure ULX-D™ Digital Wireless offers uncompromising 24-bit audio clarity and extremely efficient RF performance with single, dual, and quad channel receivers for any size professional sound reinforcement application.

Generations ahead of any other available system in its class, ULX-D brings a new level of performance to professional sound reinforcement.

**Uncompromising Professional Digital Wireless**
- 24-bit/48 kHz digital audio that delivers incredibly clear and accurate sound reproduction
- 20 Hz – 20 kHz frequency range with flat response
- Greater than 120 dB dynamic range
- Wide selection of trusted Shure Microphones

**Extremely Efficient and Reliable RF Performance**
- Up to 64 MHz overall tuning range (region dependent)
- Up to 17 active transmitters in one 6 MHz TV channel (23 on an 8 MHz TV channel)
- High Density mode enables up to 47 active transmitters in one 6 MHz TV channel
- Rock-solid signal stability with no audio artifacts over the entire 100 meter range
- Optimized scanning automatically finds, prioritizes, and selects the cleanest frequencies available

**Scalable, Intelligent Hardware**
- Single (half-rack), Dual and Quad (full-rack) receiver form factors
- AES 256-bit encryption equipped for secure wireless transmission
- Dante™ digital networked audio over Ethernet
- Wireless Workbench® 6 software compatible for advanced coordination, monitoring, and control
- Compatible with the Shure SB900 Rechargeable Battery and SBC chargers
# ULX-D™ System Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Carrier Range</td>
<td>470-632 MHz, varies by region (See Frequency Range and Output Power table)</td>
</tr>
<tr>
<td>Working Range</td>
<td>100 m (328 ft) Note: Actual range depends on RF signal absorption, reflection and interference.</td>
</tr>
<tr>
<td>RF Tuning Step Size</td>
<td>25 kHz, varies by region</td>
</tr>
<tr>
<td>Image Rejection</td>
<td>&gt;70 dB, typical</td>
</tr>
<tr>
<td>RF Sensitivity</td>
<td>-88 dBm at 10% BER</td>
</tr>
<tr>
<td>Latency</td>
<td>&lt;0.5 ms</td>
</tr>
<tr>
<td>Audio Frequency Response</td>
<td>UX01: 20 Hz – 20 kHz (±1 dB)</td>
</tr>
<tr>
<td></td>
<td>UX02: 30 Hz – 20 kHz (±1 dB)</td>
</tr>
<tr>
<td>Audio Dynamic Range</td>
<td>XLR Analog Output: 120 dB, A-weighted</td>
</tr>
<tr>
<td>System Gain @ +10</td>
<td>Dante Digital Output (Dual and Quad receivers): 130 dB (typical), A-weighted</td>
</tr>
<tr>
<td>Total Harmonic Distortion</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>-12 dBFS input, System Gain @ +10</td>
<td></td>
</tr>
<tr>
<td>System Audio Distortion</td>
<td>Positive pressure on microphone diaphragm produces positive voltage on pin 2 (with respect to pin 3 of XLR output) and the tip of the 6.35 mm (1/4-inch) output.</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-18°C (0°F) to 50°C (122°F)</td>
</tr>
<tr>
<td></td>
<td>Note: Battery characteristics may limit this range.</td>
</tr>
<tr>
<td>Storage Temperature Range</td>
<td>-29°C (~-20°F) to 74°C (165°F)</td>
</tr>
<tr>
<td></td>
<td>Note: Battery characteristics may limit this range.</td>
</tr>
</tbody>
</table>

## Frequency Range

<table>
<thead>
<tr>
<th>Band</th>
<th>Range (MHz)</th>
<th>Transmitter Output (mW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G50</td>
<td>470 to 534</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>G51</td>
<td>470 to 534</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>G52</td>
<td>478 to 534</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>H51</td>
<td>524 to 569</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>H52</td>
<td>524 to 569</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>J50</td>
<td>572 to 636</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>K51</td>
<td>606 to 670</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>L50</td>
<td>632 to 696</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>L51</td>
<td>632 to 696</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>P51</td>
<td>710 to 782</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>S51</td>
<td>900 to 1000</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>SR (Rx only)</td>
<td>906 to 810</td>
<td>1/0</td>
</tr>
<tr>
<td>AR (Rx and Tx)</td>
<td>770 to 830</td>
<td>&quot;A&quot; band (770.250-805.750), 1/0/0.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;B&quot; band (805.750-830.250), 1/0/0.1</td>
</tr>
<tr>
<td>Q61</td>
<td>794 to 866</td>
<td>1/0/0.002</td>
</tr>
<tr>
<td>X60</td>
<td>925 to 982</td>
<td>1/0/0.002</td>
</tr>
</tbody>
</table>

## Furnished Accessories

### All Systems
- **PS411US**: Power supply
- **9879270U**: 1/2 Wave Receiver Antenna (2)
- **9879226**: 2' BNC Cable (2)
- **984994**: BNC Bulkhead Adapter (2)
- **904320**: Rockmount Hardware kit
- **9541841**: 5' etherCAT cable
- **800920**: 2 x AA batteries (bodypack systems)

### Handheld Systems
- **9879279**: Microphone Clip (handheld systems)
- **9592311**: Handheld Zipper Bag (handpack systems)

### Bodypack Systems
- **959043**: Bodypack Antenna
- **959231**: Bodypack Zipper Bag (bodypack systems)

### *: region specific part # (US part listed)

## Rechargeable Power Management (sold separately)

### SB9900 Rechargeable Battery
ULX-D transmitters are compatible with the SB9900 lithium-ion rechargeable battery, which provides over 12 hours of continuous use and precise tracking of remaining life and charge cycle details.

### SBC200 Dual Docking Recharging Station
This compact and portable unit charges batteries while in transmitters or out. Up to 4 SBC200s can be chained together to run off one power supply.

### SBC800 Eight Battery Recharging Station
This compact and portable unit charges up to 8 SB9900 batteries to full capacity within 3 hours, with status LEDs to indicate power levels. SB9900 batteries fit securely in the charger for easy, efficient storage and transport.

## Battery Runtime

<table>
<thead>
<tr>
<th>Battery Type</th>
<th>1 mW</th>
<th>10 mW</th>
<th>20 mW</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB9900</td>
<td>&gt;11 hours</td>
<td>&gt;11 hours</td>
<td>&gt;7 hours</td>
</tr>
<tr>
<td>Alkaline</td>
<td>&lt;11 hours</td>
<td>&lt;11 hours</td>
<td>&lt;5.5 hours</td>
</tr>
<tr>
<td>NiMH</td>
<td>&lt;11 hours</td>
<td>&lt;11 hours</td>
<td>&lt;8 hours</td>
</tr>
<tr>
<td>Lithium</td>
<td>12.5-13 hours</td>
<td>12.5-10 hours</td>
<td>9.5-12 hours</td>
</tr>
</tbody>
</table>

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**NOTE:**
This Radio equipment is intended for use in musical professional entertainment and similar applications. This Radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and RF power levels for wireless microphone products.
Component Specifications

ULXD4 Digital Wireless Receiver

Overview
The Shure ULXD4 is a half-rack wireless receiver for use with ULX-D™ Digital Wireless Systems. With an expansive set of professional features, including 24-bit/48kHz digital audio quality, efficient and intelligent RF performance, and AES-256-bit encryption, ULX-D offers uncompromising wireless tailored for professional sound reinforcement.

- Up to 64 MHz tuning range
- Predictive switching diversity
- Intelligent scanning automatically finds and deploys the cleanest frequencies to transmitters over IR sync
- Interference detection and alerts provided on both the receiver and WWB6
- Front panel gain adjustment buttons provide up to 60 dB additional gain
- AES 256-bit encryption-enabled for applications where secure transmission is needed
- Ethernet networking for streamlined setup across multiple receivers, WWB6 integration (coming soon), and AMX/Crestron control
- Support for frequency coordination with Axient Spectrum Manager (coming soon)
- Rugged metal chassis
- Intuitive front panel LCD menu and controls
- Easily readble/upgradeable LCD with adjustable contrast and brightness
- Audio and RF LED meters with peak indicator
- Front panel lockout
- XLR and 1/4" outputs
- Removable 18 wave antennas
- Furnished rack hardware

Product Specifications

Dimensions
117 mm x 171 mm x 47 mm (4.6 in x 6.7 in x 1.9 in)

Weight
913 g (2.0 lb), without antennas

Heating
Galvanized Steel

RF Input
Spurious Rejection
> 80 dB, typical

Connector Type
BNC

Impedance
50 Ω

Bias Voltage
12 - 18 V DC, 170 mA maximum, per antenna

Audio Output
Gain Adjustment Range
-10 to +42 dB in 1 dB steps (plus Mute setting)

Configuration
1/4" (6.35 mm)
- Impedance balanced (700 kΩ, 2 audio, 3 audio)
- XLR (Balanced): 1 audio, 2 audio, 3 audio

Impedance
1/4" (6.35 mm)
- 100 Ω (50 Ω Unbalanced)

XLR
100 Ω

Full Scale Output
1/4" (6.35 mm)
- 12 dBV
- XLR: LINE setting: +18 dBV, MIC setting: -12 dBV

Microphone Switch
30 dB pad

Phantom Power Protection
1/4" (6.35 mm)
- Yes
- XLR: Yes

Networking
Power Over Ethernet (PoE)
No, protected

Network Interface
Single Port Ethernet 10/100 Mbps

Network Addressing Capabilities
DHCP or Manual IP address

Maximum Ethernet Cable Length
100 m (332 ft)

ULXD4 Front Panel

ULXD4 Back Panel

www.shure.com
Component Specifications

ULXD4D Dual Channel Digital Wireless Receiver

Overview
The Shure ULXD4D Dual Channel Digital Wireless Receiver offers two channels of uncompromising audio quality, RF signal stability, and advanced setup features in a space-efficient single rack unit. Digital wireless processing delivers premium 24-bit/48 kHz audio and RF spectrum efficiencies that dramatically increase the number of usable compatible channels. With an expansive set of enhanced features including AES 256-bit encryption for security and Dante™ digital networking for audio over Ethernet, the ULXD4D brings a new level of performance to professional sound reinforcement.

- Two receivers in a rugged 1 RU metal chassis with internal power supply
- Individual gain controls, LED meters, and XLR outputs for each channel
- Up to 64 MHz tuning range (region dependent)
- Digital predictive switching diversity
- High Density mode optimizes ULX-D systems to simultaneously operate significantly more channels in applications up to 30 meters
- RF cascade ports allow distribution of RF signal to another unit
- Optimized scanning automatically finds, prioritizes, and deploys the clearest
- Frequencies to transmitters over IR sync
- Bodypack Frequency Diversity ensures uninterrupted audio for mission-critical applications
- AES 256-bit encryption-enabled for secure transmission
- Audio summing routes both audio channels to each XLR receiver output
- Dante™ digital networking audio over Ethernet
- Up to 60 dB independently adjustable gain for each channel
- Ethernet networking for streamlined frequency coordination and deployment across multiple receivers
- Wireless Workbench® 6 (WWB6) software integration for advanced coordination, monitoring, and control
- Interference detection and alerts provided on both the receiver and WWB6
- AMX/Crestron control
- AXT600 Ascent™ Spectrum Manager compatible
- Intuitive front panel LCD menu and controls with lockout feature
- Audio- and RF LED meters with peak indicator
- XLR connectors with switchable microphone output level
- Removable 18 wave antennas

Product Specifications

Dimensions: 44 mm x 402 mm x 274 mm (1.73 in x 16.19 in x 10.79 in), H x W x D
Weight: 3.36 Kg (7.4 lbs)
Housing: Steel Extruded Aluminum
Power Requirements: 100 to 240 VAC, 50/60 Hz, 0.26 A max.
RF Input: Spurious Rejection: >60 dB, typical
Connector Type: BNC
Impedance: 50 Ω
Bias Voltage: 12 - 13 V DC, 150 mA maximum, per antenna
Audio Output: Gain Adjustment Range: -18 to +42 dB in 1 dB steps (plus Min setting)
Configuration: XLR: Balanced (Line, ground, 1/8 audio 4, 3 audio 3)
Impedance: 100 Ω
Full Scale Output: LINE settings: +10 dBm, MIC settings: +12 dBm
MicLine Switch: 30 dB pad
Phantom Power Protection: Yes
Networking: Network Interface: Dual Port Ethernet 10/100 Mbps, 1 Gbps
Network Addressing Capability: DHCP or Manual IP address
Maximum Ethernet Cable Length: 100 m (328 ft)
Cascade Output: Connector Type: BNC, For connection of 1 additional receiver
Configuration: Unbalanced, passive
Impedance: 50 Ω
Component Specifications

ULXD4Q Quad Channel Digital Wireless Receiver

Overview
The Shure ULXD4Q Quad Channel Digital Wireless Receiver offers four channels of uncompromising audio quality, RF signal stability, and advanced setup features in a space-efficient single rack unit. Digital wireless processing delivers premium 24-bit/48 kHz audio and RF spectrum efficiencies that dramatically increase the number of available compatible channels. With an expansive set of enhanced features including AES 256-bit encryption for security and Dante™ digital networking for audio over Ethernet, the ULXD4Q delivers the most wireless performance per square inch.

- Four receivers in a rugged 1 RU metal chassis with internal power supply
- Individual gain controls, LED meters, and XLR outputs for each channel
- Up to 64 MHz tuning range (region dependent)
- Digital predictive switching diversity
- High Density mode optimizes ULX-D systems to simultaneously operate significantly more channels in applications up to 30 meters
- RF cascade ports allow distribution of RF signal to another unit
- Optimized scanning automatically finds, prioritizes, and deploys the clearest frequencies to transmitters over IR sync
- Bodpack Frequency Diversity ensures uninterrupted audio for mission-critical applications
- AES 256-bit encryption-enabled for secure transmission
- Audio summing routes two or more audio channels to combinations of receiver outputs. Use each channel’s gain adjustment to reach the desired mix.
- Dante™ digital networking audio over Ethernet Two receivers in a rugged 1 RU metal chassis with internal power supply
- Individual gain controls, LED meters, and XLR outputs for each channel
- Ethernet networking for streamlined frequency coordination and deployment across multiple receivers
- Interference detection and alerts provided on both the receiver and WRRS
- Up to 60 dB independently adjustable gain for each channel
- Wireless Workbench™ software integration for advanced coordination, monitoring, and control AMX/Crestron control
- Compatible with the AX6000 Axient™ Spectrum Manager
- Intuitive front panel LCD menus and controls with keylock feature
- Upgradable LCD with adjustable contrast and brightness
- Audio and RF LED meters with peak indicator
- Switchable mic/line output level
- Removable RF wave antennas

Product Specifications

Dimensions: 4.4 mm x 402 mm x 274 mm (1.73 in. x 15.87 in. x 10.79 in.), H x W x D
Weight: 3.45 Kg (7.6 lbs), without antennas
Heating: Steel Extruded Aluminum
Power Requirements: 100 to 240 VAC, 50-60 Hz, 0.32 A max.
RF Input: Spurious Rejection: >50 dB, typical
Connector Type: BNC
Impedance: 50 Ω
Bias Voltage: ±2 - ±3 VDC, ±100 mA maximum, per antenna
Audio Output: Gain Adjustment Range: -10 to +42 dB in 1 dB steps (plus Mute setting)
Configuration: XLR, Balanced (1:ground, 2:audio, 3:audio+)
Impedance: 100 Ω
Full Scale Output: LINE setting: -18 dBm, MRC setting: -12 dBm
Mic/Line Switch: 30 dB pad
Phantom Power Protection: Yes
Networking: Dual Port Ethernet 10/100 Mbps, 1 Gbps
Network Addressing Capability: DHCP or Manual IP address
Maximum Ethernet Cable Length: 100 m (330 ft)
Cascade Output: Connector Type: BNC. For connection of 1 additional receiver
Configuration: Unbalanced, passive
Impedance: 50 Ω
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®, SM58L, SM57L, Beta 58A®, Beta 57A, and Beta 87C.

- 30 Hz to 20 kHz range with flat frequency response (actual response is microphone dependent)
- Interchangeable Shure microphone cartridges, including the legendary SM58®
- >120 dB dynamic range
- 1, 10, and 20 mV selectable RF output power
- 5-stage battery fuel gauge
- Shure lithium-ion rechargeable battery pack provides up to 12 hours of battery life, precision metering, and zero memory effect
- Up to 11 hours continuous use with 2 x AA batteries
- Backlit LCD with easy to navigate menu and controls
- 100 meter (300 ft) operating range
- Rugged metal construction
- Frequency and power lockout

Product Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain Offset Range</td>
<td>0 to 21 dB (in 3 dB steps)</td>
</tr>
<tr>
<td>Battery Type</td>
<td>Shure SB900 Rechargeable Li-Ion or LR6 AA batteries 1.5 V</td>
</tr>
<tr>
<td>Battery Runtime</td>
<td>9 hours</td>
</tr>
<tr>
<td>@ 10 mW</td>
<td>See Battery Runtime Chart</td>
</tr>
<tr>
<td>Dimensions</td>
<td>196 mm x 51 mm (7.7 in. x 2.0 in.) x 12.7 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>340 g (12.0 oz.)</td>
</tr>
<tr>
<td>Housing</td>
<td>Machined aluminum</td>
</tr>
<tr>
<td>Audio Input</td>
<td>Unbalanced</td>
</tr>
<tr>
<td>Configuration</td>
<td>Unbalanced</td>
</tr>
<tr>
<td>Maximum Input Level</td>
<td>145 dB SPL (SM58), typical</td>
</tr>
<tr>
<td>1 kHz at 1% THD</td>
<td>N/A, Dependent on microphone type</td>
</tr>
<tr>
<td>Phantom Equivalent Input Noise (ENI)</td>
<td>120 dB, A-weighted, typical</td>
</tr>
<tr>
<td>System Gain Setting @ +20</td>
<td>N/A</td>
</tr>
<tr>
<td>RF Output</td>
<td>N/A</td>
</tr>
<tr>
<td>Antenna Type</td>
<td>Integrated Single Band Helical</td>
</tr>
<tr>
<td>Occupied Bandwidth</td>
<td>N/A</td>
</tr>
<tr>
<td>Modulation Type</td>
<td>Shure Proprietary Digital</td>
</tr>
<tr>
<td>Power</td>
<td>1 mW, 30 mW, 20 mW</td>
</tr>
<tr>
<td>See Frequency Range and Output Power table, varies by model</td>
<td></td>
</tr>
</tbody>
</table>

Microphone Options

- ULXD2/SM58: ULXD2 Handheld Transmitter with SM58 Cardioid Microphone
- ULXD2/SM58L: ULXD2 Handheld Transmitter with SM58L Cardioid Microphone
- ULXD2/SM57L: ULXD2 Handheld Transmitter with SM57L Cardioid Microphone
- ULXD2/SM58: ULXD2 Handheld Transmitter with Beta 58A Supercardioid Microphone
- ULXD2/BETA 58: ULXD2 Handheld Transmitter with Beta 58A Supercardioid Microphone
- ULXD2/BETA 67A: ULXD2 Handheld Transmitter with Beta 67A Supercardioid Microphone
- ULXD2/BETA 87C: ULXD2 Handheld Transmitter with Beta 87C Cardioid Microphone
- ULXD2/KSM9: ULXD2 Handheld Transmitter with KSM9 Microphone (Black)
- ULXD2/KSM9HS: ULXD2 Handheld Transmitter with KSM9HS Microphone (Black)
Component Specifications

ULXD1 Wireless Bodypack Transmitter

Overview
The ULXD1 is a wireless bodypack transmitter compatible with ULX-D™ Digital Systems. With a rugged yet lightweight aluminum case, the ULXD1 delivers uncompromising audio quality and RF performance, AES 256-bit encryption for secure transmission, and advanced rechageability options for professional sound reinforcement applications.

• 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
• Interchangeable Shure microphone cartridges, including the legendary SM58®
• >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 12 hours of battery life, precision metering, and zero memory effect
• Up to 11 hours continuous use with 2 x AA batteries
• Backlit LCD with easy to navigate menu and controls
• 100 meter (300 ft) operating range
• Rugged metal construction
• Frequency and power lockout

Product Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain Offset Range</td>
<td>0 to 21 dB (in 3 dB steps)</td>
</tr>
<tr>
<td>Battery Type</td>
<td>Shure SB900 Rechargeable Li-Ion or AA batteries</td>
</tr>
<tr>
<td>Battery Runtime</td>
<td>Shure SB8000 &gt;11 hours</td>
</tr>
<tr>
<td>Dimensions</td>
<td>86 mm x 66 mm x 23 mm (3.4 in. x 2.6 in. x 0.9 in.) H x W x D</td>
</tr>
<tr>
<td>Weight</td>
<td>142 g (5.0 oz.) without batteries</td>
</tr>
<tr>
<td>Housing</td>
<td>Cast aluminum</td>
</tr>
<tr>
<td>Audio Input Connector</td>
<td>4-Pin male mini connector (TAM)</td>
</tr>
<tr>
<td>Configuration</td>
<td>Unbalanced</td>
</tr>
<tr>
<td>Impedance</td>
<td>1 kΩ</td>
</tr>
<tr>
<td>Maximum Input Level</td>
<td>Pad Off: 8.5 dBV (7.5 dBpp)</td>
</tr>
<tr>
<td></td>
<td>Pad On: -20.5 dBV (20 dBpp)</td>
</tr>
<tr>
<td>Phantom Power Equivalent Input</td>
<td>120 dBV at 1 kΩ, A-weighted, typical</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ω</td>
</tr>
<tr>
<td>Occulted Bandwidth</td>
<td>&lt;200 kHz</td>
</tr>
<tr>
<td>Modulation Type</td>
<td>Shure Proprietary Digital</td>
</tr>
<tr>
<td>Power</td>
<td>1 mW, 30 mW, 20 mW</td>
</tr>
</tbody>
</table>

Microphone Options (see catalog for more)

WLC13: WLC13 condenser capsule, omnidirectional lavalier mic
WLC183: WLC183 condenser capsule, omnidirectional lavalier mic
WLC184: WLC184 condenser capsule, supercardioid lavalier mic
WLC185: WLC185 condenser capsule, cardioid lavalier mic
WLC50: WLC50 condenser capsule, omnidirectional lavalier mic
WLC51: WLC51 condenser capsule, cardioid lavalier mic
WH90: WH90 condenser capsule, cardioid headworn mic
WH916: WH916 condenser capsule, hypercardioid headworn mic
WH953: WH953 condenser capsule, omnidirectional headworn mic
WH954: WH954 condenser capsule, supercardioid headworn mic
WH951: WH951 condenser capsule, cardioid instrument clip mic