**AXT200 Handheld Frequency Diversity Transmitter**

**Overview**
The AXT200 Handheld Frequency Diversity Transmitter is a rechargeable, remotely controllable handheld transmitter with Frequency Diversity for seamless, uninterrupted audio in even the most challenging RF environments. In addition to Frequency Diversity, the AXT200 delivers ultra-linear RF performance for more channels on-air and superb audio quality. Advanced power management supports extended battery life and highly accurate status metering. ShowLink™ Remote Control enables comprehensive real-time remote control of all transmitter parameters, including real-time frequency adjustments.

- Frequency Diversity enables simultaneous transmission on two independent frequencies to ensure seamless, uninterrupted audio for mission-critical transmitters. Single carrier mode is available if Frequency Diversity is not required.
- Ultra-linear RF performance enables more channels on-air
- IR Sync function automatically tunes transmitter to the receiver frequency
- Comprehensive real-time remote control of all transmitter parameters when a Linked transmitter is within range of a ShowLink Access Point
- Shure lithium-ion rechargeable battery delivers up to 9 hours of runtime from a single charge
- Advanced control menu to adjust frequency and audio settings from the transmitter
- 42 dB of adjustable gain for optimal audio quality
- Lockable user interface prevents accidental or inadvertent changes to controls once settings are made

**Product Specifications (subject to change)**

### RF Carrier Frequency Range
470-814 MHz (Note: varies by region)

### Audio Frequency Response
40 – 18 kHz (+1, -3 dB) Note: dependent on microphone type

### RF Tuning Step Size
25 kHz

### Modulation
(45 kHz max. deviation)
FM, Audio Reference Compressing with pre- and de-emphasis

### Total Harmonic Distortion (THD)
<0.3%, A-weighted, typical

### System Audio Polarity
Positive pressure on microphone diaphragm (or positive voltage applied to tip of WA302 phone plug) produces positive voltage on pin 2 (with respect to pin 3 of low-impedance output) and the tip of the high impedance 1/4-inch output.

### Gain Adjustment Range
-10 to +32 dB (in 1 dB steps)

### Battery Type
Shure AXT920/920SL (Rechargeable Li-Ion)

### Battery Life
- Up to 9 hours (low power mode, Single Carrier Mode)

### Weight
395 g (13.9 oz.), with batteries

### Housing
Machined aluminum

### Operating Temperature Range
-18°C (0°F) to 63°C (145°F) Note: Battery characteristics may limit this range.

### Storage Temperature Range
-29°C (-20°F) to 74°C (165°F) Note: Battery characteristics may limit this range.

### Audio Input
- Configuration: Unbalanced
- Impedance: >30 kΩ
- Maximum Input Level (1 kHz at 1% THD): Gain Position: -10 to +11 dB: 5.5 dBu +12 to +32 dB: -6.5 dBu

### RF Output
- Connector: SMA (UHF and ShowLink); Shell=Ground, Center=Signal
- Antenna Type: Integrated Dual Band Helical
- Power: See Frequency Range and Output Power table
- Mode: Frequency Diversity, Dual Carrier, Single Carrier
- Impedance: 50 Ω

### ShowLink
- Network Type: IEEE 802.15.4
- Frequency Range: 2.40 to 2.4835 GHz (16 Channels)
- RF Output Power: 10 dBm (ERP)

### Included Components
- AXT920 or AXT920SL: Handheld rechargeable lithium-ion battery (2)
- 95A15475: Transmitter carrying case
- 25A14: Zipper bag
- WX371: Microphone stand adaptor
- Choice of (1) of the following Shure microphone cartridges:
  - SM58 (RPW122)
  - BETA 58A (RPW 118)
  - BETA 87A (RPW120)
  - KSM9 Black (RPW184)
  - KSM9 Champagne (RPW180)
  - KSM9HS Black (RPW186)
  - KSM9HS Champagne (RPW182)

### Optional Accessories
- AXT920 or AXT920SL: Handheld rechargeable lithium-ion battery (2)
- AX964: Portable handheld charging station
- AXT921: 1-AA battery carrier for AXT200 handheld transmitter
- AX651: Talk Switch (may not be available in all regions)
- WX371: Microphone stand adaptor
- AX913: 3-AAA Battery Sled for AXT100 bodypack transmitter
- WX602: Instrument cable
- Shure microphone cartridges:
  - SM58 (RPW112)
  - BETA 58A (RPW 118)
  - BETA 87A (RPW120)
  - KSM9 Black (RPW184)
  - KSM9 Champagne (RPW180)
  - KSM9HS Black (RPW186)
  - KSM9HS Champagne (RPW182)
  - VP68 (RPW124)

---

**Available Frequency Bands**

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency Range (MHz)</th>
<th>Power (mW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A24</td>
<td>779 to 806</td>
<td>10</td>
</tr>
<tr>
<td>G1</td>
<td>470 to 530</td>
<td>10/50</td>
</tr>
<tr>
<td>G12</td>
<td>479 to 530</td>
<td>10/20</td>
</tr>
<tr>
<td>G19</td>
<td>470 to 530</td>
<td>2/10</td>
</tr>
<tr>
<td>G1E</td>
<td>470 to 530</td>
<td>10/50</td>
</tr>
<tr>
<td>G7C</td>
<td>470 to 510</td>
<td>10/50</td>
</tr>
<tr>
<td>H12</td>
<td>518 to 565</td>
<td>10/20</td>
</tr>
<tr>
<td>H18</td>
<td>518 to 576</td>
<td>2/10</td>
</tr>
<tr>
<td>H4</td>
<td>518 to 578</td>
<td>10/50</td>
</tr>
<tr>
<td>H4E</td>
<td>518 to 578</td>
<td>10/50</td>
</tr>
<tr>
<td>J12</td>
<td>578 to 638</td>
<td>2/10</td>
</tr>
<tr>
<td>J5</td>
<td>578 to 638</td>
<td>10/50</td>
</tr>
<tr>
<td>J5E</td>
<td>578 to 638</td>
<td>10/50</td>
</tr>
<tr>
<td>J5HK</td>
<td>578 to 638</td>
<td>10</td>
</tr>
<tr>
<td>J6</td>
<td>586 to 610</td>
<td>10/50</td>
</tr>
<tr>
<td>K4E</td>
<td>606 to 666</td>
<td>10/50</td>
</tr>
<tr>
<td>L20</td>
<td>638 to 698</td>
<td>2/10</td>
</tr>
<tr>
<td>L3</td>
<td>638 to 698</td>
<td>10/50</td>
</tr>
<tr>
<td>L3E</td>
<td>638 to 698</td>
<td>10/50</td>
</tr>
<tr>
<td>M8</td>
<td>666 to 730</td>
<td>10/50</td>
</tr>
<tr>
<td>MA24</td>
<td>779 to 806</td>
<td>2/10</td>
</tr>
<tr>
<td>M8X</td>
<td>806 to 810</td>
<td>10/50</td>
</tr>
<tr>
<td>F8</td>
<td>710 to 790</td>
<td>10/50</td>
</tr>
<tr>
<td>P9</td>
<td>710 to 787</td>
<td>10/50</td>
</tr>
<tr>
<td>Q5</td>
<td>740 to 814</td>
<td>10/50</td>
</tr>
<tr>
<td>R16</td>
<td>794 to 866</td>
<td>10/50</td>
</tr>
</tbody>
</table>