ClearOne’s Dante wireless microphone system is the most economical, versatile, and easily scalable wireless system in the market today with unprecedented ease-of-use and simple installation.

This newly released microphone system complements other professional audio products from ClearOne including CONVERGE® Matrix and CONNECT Dante bridge for CONVERGE Pro.

**Advantages**

- **Flexibility**
  - Reliable digital wireless system is the best for flexible spaces and upgrading existing areas without access to cable paths

- **Economical**
  - Cost-effective and flexible as one system can serve the wireless needs of up to six rooms

- **Scalability**
  - Provides up to 32 channels per RF band allowing channels to be added in the field to respond to future growth

- **Audio Quality**
  - From 20 Hz to 20 kHz very low-latency digital audio, enhanced through the Dante interface

- **Mixed Audio Outputs**
  - Balanced line or headphone output and the GUI can be used to send control signals to the main and mixed outputs

- **Multiple RF ranges**
  - M915: 902 MHz to 928 MHz
  - M715: 710 MHz to 740 MHz
  - M610: 603 MHz to 630 MHz
  - M500: 486 MHz to 512 MHz
  - M586: 573 MHz to 599 MHz
  - M800: 793 MHz to 819 MHz
  - M930: 917 MHz to 943 MHz

**Applications**

- Conference Rooms/Boardrooms
- Video/Audio Conferencing Suites
- Courtrooms/Council Chambers
- Universities/Training Rooms
- Distance Learning/Teaching Laboratories
- Executive Briefing Centers
- Auditoriums
- Houses of Worship
WS800 WIRELESS MICROPHONE SYSTEM

Wireless System: Up to 24-bit, 48 KHz, digital audio RF technology
Channels: 4 or 8 channel receivers
RF Range:
- M915: 902 MHz to 928 MHz
- M715: 710 MHz to 740 MHz
- M610: 603 MHz to 630 MHz
- M500: 486 MHz to 512 MHz
- M586: 573 MHz to 599 MHz
- M800: 793 MHz to 819 MHz
- M930: 917 MHz to 943 MHz
Working Range: 300 feet (line-of-sight)
Encryption: 256 bit key (AES) always-on, laboratory-verified
NSA FIPS 197 standard
Frequency Response:
- 16 channels 20 Hz - 20 KHz
- 32 channels 32 Hz - 12 KHz
S/N Ratio: 108 dB (typical ‘A’ weighted)
Total Harmonic Distortion: <0.03% @ 1kHz
Stability: <5ppm
Operation Temperature Range: 0 - 50 degrees Celsius ambient temperature

RECEIVERS (BASE STATIONS)
Channels per receiver: 4 channels (WS840), 8 channels (WS880)
Power Requirements: 100-240 VAC 50-60 Hz, 15 Watts
Display: OLED
External Antennas: Support up to six pairs per system
Antenna Distribution: Attach up to 32 channels to one pair of antennas
Analog Audio Outputs: Phoenix terminal blocks or XLRs
Output Impedance: 100 Ohm
Headphone out (mixed): Balanced 1/4 inch TRS mixed line out for
recorders or powered speakers; or headphone out
Interface: USB, RS232 & Ethernet (dual port 10/100 Mbps)
Dante™ Audio channels: Eight (8) digital outputs @ 48 KHz.
Dante Ports: Primary & secondary, RJ45 ports, 100/1000 Mbps, 328 ft
GPIO Interface: 22 programmable pins
Gain Adjustment Range: -20dB to +31 dB
Dimension: 1-U rack-mount, 19 x 1.75 x 6.5 inches
Weight: 4.7 lbs (2.14 kg) for 8 channel receiver; 4.5 lbs (2.04 kg) for 4 channel receiver

Model | Part Numbers | RF Range | Available Options*
--- | --- | --- | ---
WS840 (4 output channels) | 910-6000-401 | M915 (902-928 MHz) | -D : Dante network capability
WS840 (4 output channels) | 910-6000-402 | M715 (710-740 MHz) | -X : XLR Connector Outputs*
WS840 (4 output channels) | 910-6000-403 | M610 (603-630 MHz) |
WS840 (4 output channels) | 910-6000-404 | M500 (486-512 MHz) |
WS840 (4 output channels) | 910-6000-405 | M586 (573-599 MHz) |
WS840 (4 output channels) | 910-6000-406 | M800 (793-819 MHz) |
WS840 (4 output channels) | 910-6000-407 | M930 (917-943 MHz) |
WS880 (8 output channels) | 910-6000-801 | M915 (902-928 MHz) | -D : Dante network capability
WS880 (8 output channels) | 910-6000-802 | M715 (710-740 MHz) | -X : XLR Connector Outputs*
WS880 (8 output channels) | 910-6000-803 | M610 (603-630 MHz) |
WS880 (8 output channels) | 910-6000-804 | M500 (486-512 MHz) |
WS880 (8 output channels) | 910-6000-805 | M586 (573-599 MHz) |
WS880 (8 output channels) | 910-6000-806 | M800 (793-819 MHz) |
WS880 (8 output channels) | 910-6000-807 | M930 (917-943 MHz) |

* Any combination of options available except -C with M915 RF Ranges
* Euroblock connectors provided unless -X option is ordered

Dante Connections Available with -D Option
Dante Connections Available with -D Option
Dante Connections Available with -D Option
CHARGING STATION (DOCKING STATION)

- **Housing:** ABS
- **Capacity:** Charges 8 microphones simultaneously (mix and match any type of the supplied microphones)
- **Power:** 5V DC / 4 A
- **Dimension:** 13.25 x 5.75 inches
- **Weight:** 1.30 lbs (0.58 kg)

EXTENSION ANTENNAS

- **Mount:** Wall mount, ceiling or mic-stand mount
- **Connectors:** Straight connectors
- **Reception Pattern:** 130 degree reception pattern
- **Gain:** Provides 15dB of RF gain (915MHz)
- **Power:** Phantom-powered from the receiver
- **Dimensions:** 6(h) x 4(w) x 2.5(d) inches
- **Weight:** .45 lbs (.20 kg)

TRANSMITTER (Microphones)

TABLETOP MICROPHONE

- **Mic Polar Pattern:** Cardioid, omni
- **RF Output:** 1, 10, 25 or 50mW, user selectable
- **Power:** USB or AA rechargeable (included) or AA disposal
- **Antenna:** Internal
- **LED Indicators:** Battery status, mute status
- **Button:** Press to talk, press to mute (or logic mute), toggle on/off
- **Programmable Switch:** Talk, mute, logic mute, on / off
- **Frequency Response:** 60 - 20kHz (Omni version); 60 - 15kHz (Cardioid version)
- **Signal-to-Noise Ratio:** 80dB Typ. at 1kHz (1Pa) ‘A’ weighted (Omni version); 73dB Typ. at 1kHz (1Pa) ‘A’ weighted (Cardioid version)
- **Battery:** Two rechargeable NiMH included, standard AA size
- **Battery Charge Time:** 4 hrs
- **Battery Talk Time:** Up to 8 hrs continuous usage per charge, typical @ 1mW
- **Dimension:** 3.9 L x 2.8 W x .69 H inches
- **Weight:** 0.25lbs (1.2 Kg) including batteries

GOOSENECK MICROPHONE

- **Mic Polar Pattern:** Cardioid, hyper cardioid, or omni
- **Gooseneck Lengths:** 6, 12 or 18 inch, with double bend
- **RF Output:** 1, 10, 25 or 50mW, user selectable
- **Frequency Response:** 60 - 15kHz
- **Signal-to-Noise Ratio:** 73dB Typ. at 1kHz (1Pa) ‘A’ weighted
- **Antenna:** Internal
- **Power:** USB or AA rechargeable (included) or AA disposal
- **Button:** Press-to-talk, press-to-mute (or logic mute), toggle on/off
- **LED Indicators:** Battery status, mute status
- **Programmable Switch:** Talk, mute, logic mute, on / off
- **Battery:** Four rechargeable NiMH included, standard AA size
- **Battery Charge Time:** 4 hrs
- **Battery Talk Time:** Up to 14 hrs continuous usage per charge, typical @ 1mW
- **Dimension:** 6.1 L x 4.6 W x 1.4 H inches
- **Weight:** 1.60lbs (.72 Kg) including batteries

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**Part Numbers and RF Ranges**

**TABLETOP MICROPHONE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Numbers</th>
<th>RF Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiod</td>
<td>910-6001-001</td>
<td>M915 (902-928 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6001-002</td>
<td>M715 (710-740 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6001-003</td>
<td>M610 (603-630 MHz)</td>
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<tr>
<td></td>
<td>910-6001-004</td>
<td>M500 (486-512 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6001-005</td>
<td>M586 (573-599 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6001-006</td>
<td>M800 (793-819 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6001-007</td>
<td>M930 (917-943 MHz)</td>
</tr>
<tr>
<td>Omni</td>
<td>910-6001-001</td>
<td>M915 (902-928 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6001-002</td>
<td>M715 (710-740 MHz)</td>
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<td>910-6001-003</td>
<td>M610 (603-630 MHz)</td>
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<td>910-6001-004</td>
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<td>910-6001-005</td>
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<tr>
<td></td>
<td>910-6001-006</td>
<td>M800 (793-819 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6001-007</td>
<td>M930 (917-943 MHz)</td>
</tr>
</tbody>
</table>

**GOOSENECK MICROPHONE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Numbers</th>
<th>RF Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch neck</td>
<td>910-6002-061</td>
<td>M915 (902-928 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6002-062</td>
<td>M715 (710-740 MHz)</td>
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<tr>
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<td>910-6002-063</td>
<td>M610 (603-630 MHz)</td>
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<td></td>
<td>910-6002-064</td>
<td>M500 (486-512 MHz)</td>
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<td></td>
<td>910-6002-065</td>
<td>M586 (573-599 MHz)</td>
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<td></td>
<td>910-6002-066</td>
<td>M800 (793-819 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6002-067</td>
<td>M930 (917-943 MHz)</td>
</tr>
<tr>
<td>12 inch neck</td>
<td>910-6002-121</td>
<td>M915 (902-928 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6002-122</td>
<td>M715 (710-740 MHz)</td>
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<td></td>
<td>910-6002-127</td>
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<tr>
<td>18 inch neck</td>
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<td>M915 (902-928 MHz)</td>
</tr>
<tr>
<td></td>
<td>910-6002-182</td>
<td>M715 (710-740 MHz)</td>
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<td>910-6002-183</td>
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<td>910-6002-184</td>
<td>M500 (486-512 MHz)</td>
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<td>910-6002-185</td>
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<td>910-6002-186</td>
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</tr>
<tr>
<td></td>
<td>910-6002-187</td>
<td>M930 (917-943 MHz)</td>
</tr>
</tbody>
</table>

**Extension Antenna Kit**

- **Model:** 910-6005-001
- **Part Numbers:** 910-6005-001
- **RF Range:** M915 (902-928 MHz)

**Extension Antenna Kit (with 50 ft plenum cable)**

- **Model:** 910-6005-011
- **Part Numbers:** 910-6005-011
- **RF Range:** M915 (902-928 MHz)

**Extension Antenna Combiner**

- **Part Number:** 910-6000-800 (comes free with Receiver)
### HANDHELD MICROPHONE

- **Mic Polar Pattern:** Cardioid or hyper cardioid
- **RF Output:** 1, 10, 25 or 50mW, user selectable
- **Frequency Response:** 60 - 15kHz
- **Signal-to-Noise Ratio:** Above 57dB at 1 kHz (1Pa) ‘A’ weighted
- **Antenna:** Internal
- **Display:** OLED
- **Power:** USB or AA rechargeable (included) or AA disposal
- **Indicators:** Battery status, mute status
- **Programmable Switch:** Talk, mute, logic mute, on / off
- **Battery:** Two rechargeable NiMH included, standard AA size
- **Battery Charge Time:** 4 hrs
- **Battery Talk Time:** Up to 8 hrs continuous usage per charge, typical @ 1mW
- **Dimension:** 10.2 L x 1.4 W x 1.4 H inches
- **Weight:** 0.75lbs (.34 Kg) including batteries

### BELTPACK TRANSMITTER

- **RF Output:** 1, 10, 25 or 50mW, user selectable
- **Antenna:** External, field-replaceable
- **Display:** OLED
- **Power:** USB or battery
- **Indicators:** Battery status, mute status
- **Programmable Switch:** Talk, mute, logic mute, on / off
- **Mic Input Impedance:** 47 K Ohms
- **Mic Bias:** 3V
- **Mic Connector:** TA4
- **Battery:** Two rechargeable NiMH included, standard AA size
- **Battery Charge Time:** 4 hrs
- **Battery Talk Time:** Up to 8 hrs continuous usage per charge, typical @ 1 mW
- **Dimension:** 2.8 L x 2.4 W x .66 H inches
- **Weight:** 0.35 lbs (.16 Kg) including batteries

### LAVALIER MIC FOR BELTPACK TRANSMITTER

- **Mic Polar Pattern:** Omni
- **Frequency Response:** 20 - 20kHz
- **Signal-to-Noise Ratio:** above 56dB at 1kHz (1Pa) ‘A’ weighted

### HEADSET MIC FOR BELTPACK TRANSMITTER

- **Mic Polar Pattern:** Omni
- **Frequency Response:** 50 - 18kHz
- **Signal-to-Noise Ratio:** Above 58dB at 1kHz (1Pa) ‘A’ weighted
- **Headset:** Single-ear headset