

ClearOne's Dante Wireless Microphone System is the most economical, versatile, and scalable wireless system in the market today with the easiest scalability and best usability.

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



## Touchboards

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### 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

### 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

## WS800 Dante FAMILY GROUP - Specifications

### WS800 WIRELESS MICROPHONE SYSTEM

Wireless System:	Up to 24-bit, 48 KHz, digital audio RF technology	
Channels:	4 or 8 channel receivers Daisy-chainable up to 32 channels per RF band	
RF Range:	M915: 902 MHz to 928 MHz M610: 603 MHz to 630 MHz M586: 573 MHz to 599 MHz M930: 917 MHz to 943 MHz	M715: 710 MHz to 740 MHz M500: 486 MHz to 512 MHz M800: 793 MHz to 819 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)

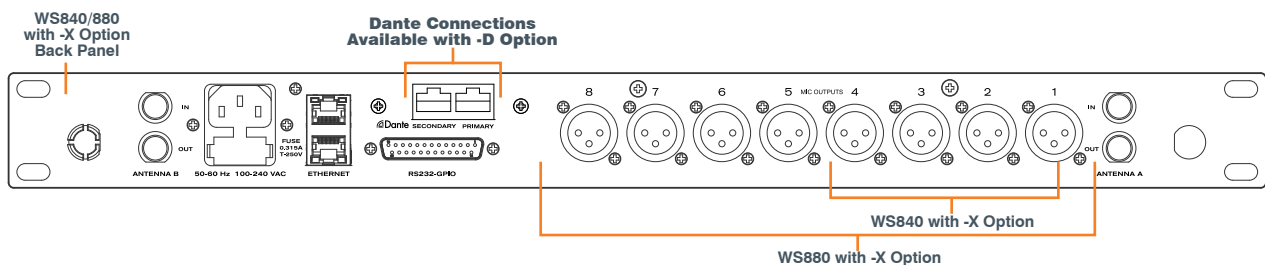
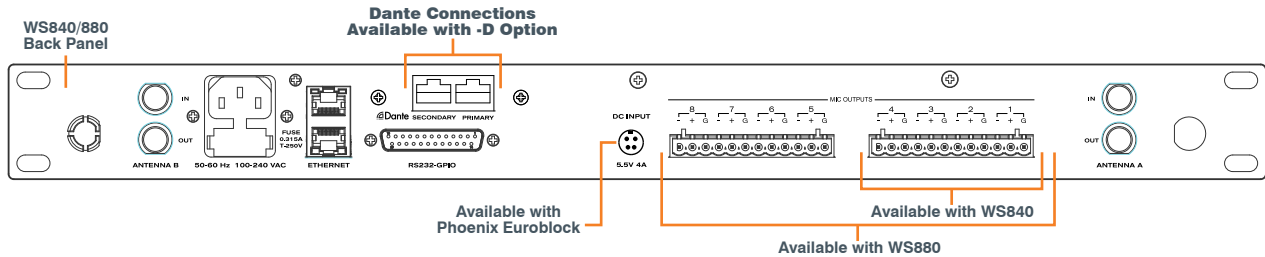
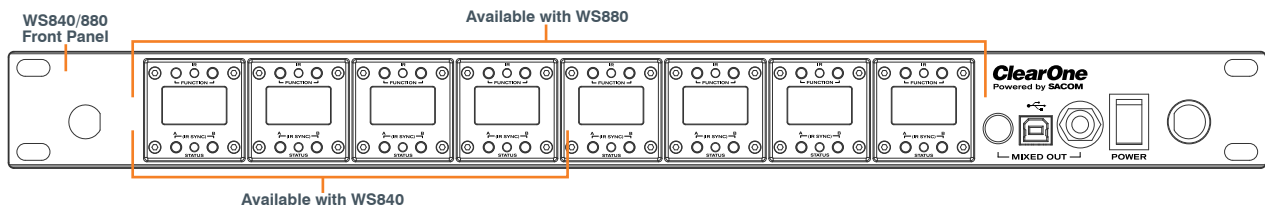
Channels per receiver:	4 channels (WS840), 8 channels (WS880)
Power Requirements:	100-240 VAC 50-60 Hz, 15 Watts
Display:	OLED
External Antennas:	Support up to six pairs per system
Antenna Distribution:	Attach up to 32 channels to one pair of antennas
Analog Audio Outputs:	Phoenix terminal blocks or 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)	<b>-D : Dante network capability</b> -X : XLR Connector Outputs* -S : Receiver is a Stage Audio receiver -C : Audio Compression (not available on M915 RF Ranges)
	910-6000-402	M715 (710-740 MHz)	
	910-6000-403	M610 (603-630 MHz)	
	910-6000-404	M500 (486-512 MHz)	
	910-6000-405	M586 (573-599 MHz)	
	910-6000-406	M800 (793-819 MHz)	
	910-6000-407	M930 (917-943 MHz)	
WS880 (8 output channels)	910-6000-801	M915 (902-928 MHz)	
	910-6000-802	M715 (710-740 MHz)	
	910-6000-803	M610 (603-630 MHz)	
	910-6000-804	M500 (486-512 MHz)	
	910-6000-805	M586 (573-599 MHz)	
	910-6000-806	M800 (793-819 MHz)	
	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



**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 (.58 kg)



Part Number | 910-6000-800 (comes free with Receiver)

**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)



Category	Part Numbers	RF Range
Extension Antenna Kit (with 25 ft plenum cable)	910-6005-001	M915 (902-928 MHz)
	910-6005-002	M715 (710-740 MHz)
	910-6005-003	M610 (603-630 MHz)
	910-6005-004	M500 (486-512 MHz)
	910-6005-005	M586 (573-599 MHz)
	910-6005-006	M800 (793-819 MHz)
	910-6005-007	M930 (917-943 MHz)
Extension Antenna Kit (with 50 ft plenum cable)	910-6005-011	M915 (902-928 MHz)
	910-6005-012	M715 (710-740 MHz)
	910-6005-013	M610 (603-630 MHz)
	910-6005-014	M500 (486-512 MHz)
	910-6005-015	M586 (573-599 MHz)
	910-6005-016	M800 (793-819 MHz)
	910-6005-017	M930 (917-943 MHz)
Extension Antenna Combiner	910-6005-200 (2way)	
	910-6005-300 (3way)	
	910-6005-400 (4way)	

**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 (.12 Kg) including batteries



Model	Part Numbers	RF Range
Cardioid version	910-6001-001	M915 (902-928 MHz)
	910-6001-002	M715 (710-740 MHz)
	910-6001-003	M610 (603-630 MHz)
	910-6001-004	M500 (486-512 MHz)
	910-6001-005	M586 (573-599 MHz)
	910-6001-006	M800 (793-819 MHz)
	910-6001-007	M930 (917-943 MHz)
Omni version	910-6001-011	M915 (902-928 MHz)
	910-6001-012	M715 (710-740 MHz)
	910-6001-013	M610 (603-630 MHz)
	910-6001-014	M500 (486-512 MHz)
	910-6001-015	M586 (573-599 MHz)
	910-6001-016	M800 (793-819 MHz)
	910-6001-017	M930 (917-943 MHz)

**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



Model	Part Numbers	RF Range
6 inch neck	910-6002-061	M915 (902-928 MHz)
	910-6002-062	M715 (710-740 MHz)
	910-6002-063	M610 (603-630 MHz)
	910-6002-064	M500 (486-512 MHz)
	910-6002-065	M586 (573-599 MHz)
	910-6002-066	M800 (793-819 MHz)
	910-6002-067	M930 (917-943 MHz)
12 inch neck	910-6002-121	M915 (902-928 MHz)
	910-6002-122	M715 (710-740 MHz)
	910-6002-123	M610 (603-630 MHz)
	910-6002-124	M500 (486-512 MHz)
	910-6002-125	M586 (573-599 MHz)
	910-6002-126	M800 (793-819 MHz)
	910-6002-127	M930 (917-943 MHz)
18 inch neck	910-6002-181	M915 (902-928 MHz)
	910-6002-182	M715 (710-740 MHz)
	910-6002-183	M610 (603-630 MHz)
	910-6002-184	M500 (486-512 MHz)
	910-6002-185	M586 (573-599 MHz)
	910-6002-186	M800 (793-819 MHz)
	910-6002-187	M930 (917-943 MHz)

**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



Model	Part Numbers	RF Range
Handheld mic	910-6003-001	M915 (902-928 MHz)
	910-6003-002	M715 (710-740 MHz)
	910-6003-003	M610 (603-630 MHz)
	910-6003-004	M500 (486-512 MHz)
	910-6003-005	M586 (573-599 MHz)
	910-6003-006	M800 (793-819 MHz)
	910-6003-007	M930 (917-943 MHz)

Model	Part Numbers	RF Range
OM5	910-6003-021	M915 (902-928 MHz)
	910-6003-022	M715 (710-740 MHz)
	910-6003-003	M610 (603-630 MHz)
	910-6003-004	M500 (486-512 MHz)
	910-6003-005	M586 (573-599 MHz)
	910-6003-006	M800 (793-819 MHz)
	910-6003-007	M930 (917-943 MHz)

Model	Part Numbers	RF Range
OM3	910-6003-011	M915 (902-928 MHz)
	910-6003-012	M715 (710-740 MHz)
	910-6003-013	M610 (603-630 MHz)
	910-6003-014	M500 (486-512 MHz)
	910-6003-015	M586 (573-599 MHz)
	910-6003-016	M800 (793-819 MHz)
	910-6003-017	M930 (917-943 MHz)

**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



Beltpack Transmitter



Headset Mic



Lavalier Mic

Model	Part Numbers	RF Range
Beltpack Transmitter	910-6004-001	M915 (902-928 MHz)
	910-6004-002	M715 (710-740 MHz)
	910-6004-003	M610 (603-630 MHz)
	910-6004-004	M500 (486-512 MHz)
	910-6004-005	M586 (573-599 MHz)
	910-6004-006	M800 (793-819 MHz)
	910-6004-007	M930 (917-943 MHz)

Lavalier Mic	910-6004-010	Lavalier Mic for Beltpack transmitter
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Headset Mic	910-6004-020	Headset Mic for Beltpack transmitter
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