

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.



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)

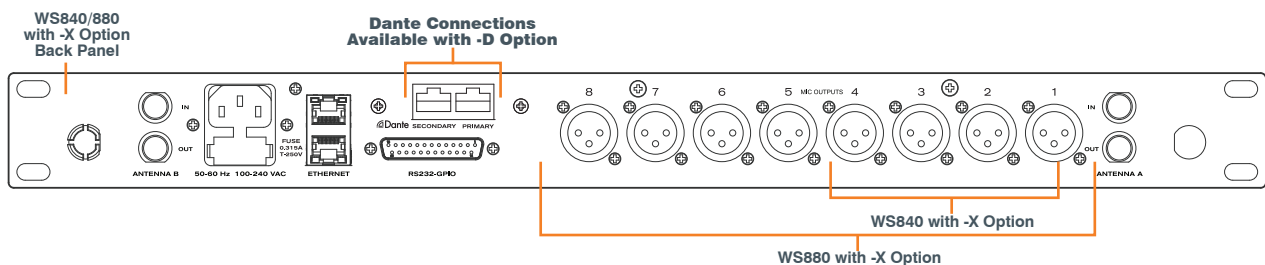
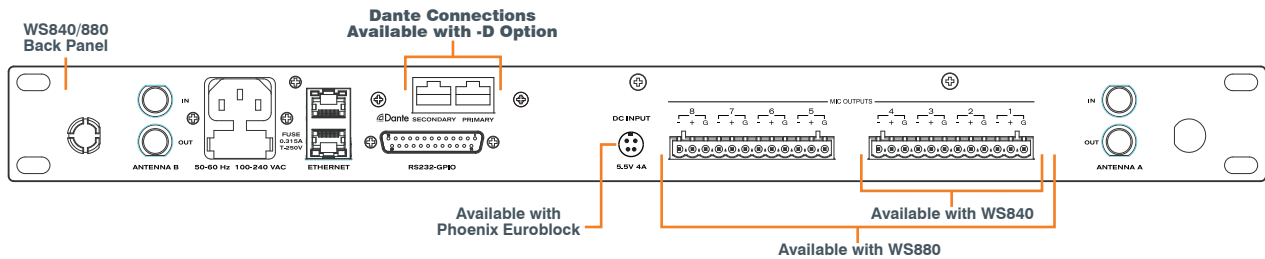
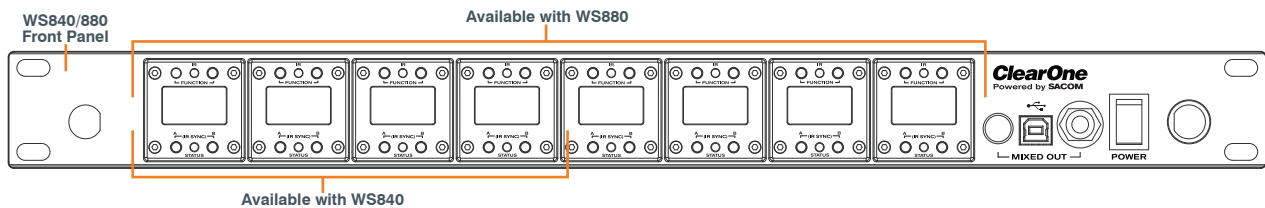
Channels per receiver:	4 channels (WS840), 8 channels (WS880)
Power Requirements:	100-240 VAC 50-60 Hz, 15 Watts
Display:	OLED
External Antennas:	Support up to six pairs per system
Antenna Distribution:	Attach up to 32 channels to one pair of antennas
Analog Audio Outputs:	Phoenix terminal blocks or 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)	-D : Dante network capability -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:	5.8"(dia) x 1.125"(d) (14.8cm x 2.9cm)
Weight:	.55 lbs (.24 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, Super-Cardioid
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, Super-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)
	910-6003-023	M610 (603-630 MHz)
	910-6003-024	M500 (486-512 MHz)
	910-6003-025	M586 (573-599 MHz)
	910-6003-026	M800 (793-819 MHz)
	910-6003-027	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, AA rechargeable (included), or AA disposable
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

LAVALIERS 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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