

Master Communication Systems Comparison Chart

Attributes	Wired Systems						Vehicle Systems							Wireless Systems						
	Rescom® Modular™	Minicom™	DA Series - Fixed Site	Pro Commander™ III	ProCommander™ IV	ProCommander™ IV Mini	DA Series - Vehicle	Vcom™ Single Radio Variants			Vcom™ Double Radio Variants			AIRS	Cygnus™ With Belt-Pack		Cygnus™ W/O Belt-Pack		Tour & Training™ Radio System	
								S100	S100DSP	S110DSP	S200	S200DSP	S210DSP		5 Users	8 Users	5 Users	8 Users		
Max. Headset Connections	10	20	9	192	3 x 20 = 60	8	9	8	8	8	8	8	8	8	100 (w. Handheld Radios)	5	8 (4+4)	5	8 (4+4)	1 + ∞
Full Duplex Communication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No, One way only
VOX (Voice Activated)	No	Yes	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
Push-To-Talk (PTT)	Optional	No	No	Optional	Optional	Optional	Optional	Yes	Yes	No	Yes	Yes	No	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Push-To-Mute (PTM)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	No	No	Yes	No	No	Yes	Optional	Optional	Optional	Optional	Optional	Optional	Optional
DSP (Digital Speech Processor)	No	No	No	No	No	No	No	N/A	1 of 4	1 of 4	N/A	1 of 4	1 of 4	No	Yes	Yes	Yes	Yes	Yes	No
System Type	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wireless	Wireless, DECT	Wireless, DECT	Wireless, DECT	Wireless, DECT	Wireless, DECT	Wireless
Radio Compatible	No	No	No	Optional	No	No	No	1	1	1	2	2	2	Yes	No	No	No	No	No	No
AM/FM Radio	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Intercom Feature	Yes	Yes	Yes	Yes, Telephone too	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Intrinsically Safe	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Redundant Power Supply	Yes	No	No	Yes, 3 supplies	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Hearing Aid Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Headsets)	Yes	Yes	Yes	Yes	Yes	Yes (except earbuds)
Personal Volume Control	On belt-mounted Interface	Yes	Yes	Yes	Yes	Yes	Yes	on Headset	on Headset	on Headset	on Headset	on Headset	on Headset	on Headset	Yes (On Radio)	Yes	Yes	Yes	Yes	Yes
Water-Resistant	Yes	No	No	No, but works up to 92% Relative Humidity	No, but works up to 92% Relative Humidity	No	Yes, Headset Only	No	No	No	No	No	No	No	No	No	No	No	No	Yes
RFI Immune (Radio Frequency Interference)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transmit Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10mW per MHz	<100mW	<100mW	<100mW	<100mW	<10mW or 4 dBm
Communication Range	Up to 4.8km (3 miles) per Headset	Up to 1.6km (1 mile) per Headset	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	180m (600ft+) (w/o extender)	240m (800ft)	1.6 km (1 mile)	240m (800ft)	1.6 km (1 mile)	Up to 30m (100ft)
Power Supply Type	Centralized power - 3 alkaline AA batteries	3 AAA alkaline batteries per unit	Centralized - AC Mains (Standard) or Rechargeable Battery (Optional)	AC (standard) or DC (optional)	AC (Standard) or DC (Optional)	AC (Standard) or DC (Optional)	Vehicle battery	Vehicle Battery	Vehicle Battery	Vehicle Battery	Vehicle Battery	Vehicle Battery	Vehicle Battery	AC (Standard) or DC (Optional)	3 AA Batteries per Belt-Pack	3 AA batteries per Belt-Pack & Rechargeable Batteries in Link Boxes	Rechargeable Batteries in Headsets	Rechargeable Batteries in Link Boxes and Headsets	3 AA Batteries	
Battery Life	27 – 210 hrs. for 10 – 2 Users respectively	250hrs	Battery (Optional)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8+ hrs. of continuous use	15+ hrs. of continuous use with Belt-Pack	15+ hrs. of continuous use with Belt-Pack	10+ hrs. of continuous use*	10+ hrs. of continuous use*	40 hours of operation
Power Supply Range	4.5V DC	Yes	110V - 240V AC	95V - 240V AC (50-60 Hz)	85V - 264V AC (47-63Hz)	85V - 264V AC (47-63Hz)	11.5V - 26V DC	11.5V - 26V DC	11.5V - 26V DC	11.5V - 26V DC	11.5V - 26V DC	11.5V - 26V DC	11.5V - 26V DC	110V - 240V AC	5V DC	5V DC	5V DC	5V DC	5V DC	N/A
Low Battery Indicator	Audible Indicator	4.5V DC	Yes	Yes	No	No	Yes	N/A	N/A	N/A	N/A	N/A	N/A	Yes	No	No	No	No	No	No
Operating Temperature	-40°C to 70°C	-20°C to 60°C	-30°C to 60°C	4°C to 49°C	4°C to 40°C	4°C to 40°C	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C	0°C to 40°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	0° to 70°C
Product Dimensions	N/A	N/A	Junction Box Size - 12"x 5.5" x 4.3"	86.06" h x 23" w x 31.50" d	19" Rack Cabinet	-	Junction Box Size 4" x 4" x 2"	6.4" x 4.2" x 1.5"	6.4" x 4.2" x 1.5"	6.4" x 4.2" x 1.5"	6.4" x 4.2" x 1.5"	6.4" x 4.2" x 1.5"	6.4" x 4.2" x 1.5"	21.7" x 16.9" x 8.5" (excluding antennas)	N/A	N/A	N/A	N/A	N/A	N/A
Limited Warranty	5 Years (1 Year for Combined communication/safety rope™)	5 Years	3 Years	1 Year	2 Years	2 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
Encrypted	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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