



System and Receiver Specifications

System	VHF	UHF
RF Carrier Frequency Range*	169.445 to 240.000 MHz	596 to 865 MHz
Operating Range Under Typical Conditions	100 m (328 ft)	100 m (328 ft)
Audio Frequency Response	50 to 15,000 Hz, ± 3 dB	20 to 16,000 Hz, ± 3 dB
Image Rejection	> 60 dB typical	> 75 dB typical
Spurious Rejection	> 60 dB typical	> 75 dB typical
System Distortion (ref. + 45 kHz deviation, 1 kHz modulation)		0.1% THD typical
System Distortion (ref. + 15 kHz deviation, 1 kHz modulation)	0.1% THD typical	
Signal/Noise Ratio	100 dB	100 dB
Sensitivity	-109 dBm for 12 dB SINAD typical	-110 dBm for 12 dB SINAD typical
Maximum Recommended Input Level (UT1 - attenuation switch at -20 dB - gain at minimum)	+3 dBV	+32 dBV
Minimum Recommended Input Level (UT1 - attenuation switch at 0 dB - gain at maximum)	-80 dBV	-80 dBV
Operating Temperature Range**	-18° to 57° C (0° to 135° F)	-29° to 74° C (-20° to 165° F)
Battery Life	18 hours with 9 V alkaline battery	12 hours with 9 V alkaline battery

Receiver		T4A (VHF)	UT4A (UHF)
Maximum Output Levels	3-Pin XLR	-10 dBV	Line: +10 dBV Mic: -10 dBV
	1/4" phone plug	+5 dBV	+4 dBV
Nominal Output Levels	3-Pin XLR	-30 dBV	Line: -26 dBV Mic: -46 dBV
	1/4" phone plug	-8 dBV	-32 dBV
Output Configuration	3-Pin XLR	Active Balanced	Active Balanced
	1/4" phone plug	Unbalanced	Unbalanced
Actual Impedance	3-Pin XLR	3.3 k Ω	Line: 50 Ω Mic: 2.5 k Ω
	1/4" phone plug	3.3 k Ω	1 k Ω
Connector Pin Assignments	3-Pin XLR	Pin 1: ground • Pin 2: hot • Pin 3: cold	
	1/4" phone plug	Tip: hot • Sleeve: ground	
Dimensions		197.1 mm W x 41.9 mm H x 153.2 mm D (7.76 W x 1.65 H x 6.03 D)	
Weight		470 g (16.04 oz.)	
Power Requirements		12-18 Vdc nominal, 200mA	
Power Supply		120 V or 230V ac adaptor with 2.1 mm female plug	
Voltage/Current/Phantom Power Protection		Yes	

*Available frequencies depend on applicable regulations in country where system is used

**Battery characteristics may limit this range.

T4A: Approved under the Declaration of Conformity (DoC) provision of FCC Part 15. Certified by IC in Canada under RSS-123 (IC: 616A-T4A).

UT4A: Approved under the Declaration of Conformity provision of FCC Part 15. Certified by IC in Canada under RSS-123 (IC: 616A-UT4A).

T4A and UT4A Receivers meet the essential requirements of the European R&TTE Directive 99/5/EC and are eligible to carry the CE marking. 

Power supply meets the following safety standards:

PS20 Power Supply: UL 1310, CAN/CSA 22.2 No. 223

PS20E Power Supply: IEC/EN60065, 6th Edition: 1998

PS20J Power Supply: Meets DENTORI 91-49851

PS20UK Power Supply: IEC/EN60065, 6th Edition: 1998

Note: PS20E and PS20UK power supplies meet the requirements of European Low Voltage Directive 73/23/EEC.