

Product Brief

Radio Talkback

UHF Base Station & Transceiver



Description

The 430-00-XX is a rugged, full duplex UHF base station ideally suited to any application within TV studio, OB/SNG and theatre environments where clear and dependable wireless communication is critical. Both single and dual antenna versions are available covering the 440-470MHz band, each with 32 channels and programmable RF power level from 10 to 50 Watt.

The base station's front panel incorporates an internal loudspeaker, volume control and channel select pushbuttons with provision to attach a desktop microphone if not deployed in conjunction with an Intercom system. A clear, two character LED display is used to indicate the active channel number during normal operation and also serves as an aid to engineering diagnostics. Six programmable function keys are also provided, assignable via the programming software, allowing direct access to frequently used functions.

Housed in a compact and durable casing, the 430-10-10 is an IP55 rated, two way portable transceiver equipped with 16 channels, supporting channel scan and monitor functions. It offers 5 watts of transmit power for enhanced coverage and benefits from an exceptional battery life of over 11 hours for uninterrupted operation.

A comprehensive range of accessories is available including programming software and cable kits enabling users to re configure both the base station and transceiver as required.

All Trilogy radio systems are supplied pre-programmed with user specified frequencies and ready for deployment. Seamless integration with Trilogy Intercom equipment is simply effected via a line level, 4-wire audio connection.

Key Features - Base Station

- Duplex operation over 440-470MHz
- Single or dual antenna operation
- 32 RF channels
- Programmable RF Power 25/10/5 Watt
- 6 Dual function programmable keys
- 12.5/20/25 kHz Channel spacing
- CTCSS/DCS encode & decode
- PC Programmable

Key Features - Transceiver

- Semi duplex operation over 400-470 MHz
- Selectable RF Power 5/1 Watt
- 12.5/20/25 kHz channel spacing
- 2 Programmable keys
- 16 RF channels
- CTCSS / DCS encode & decode
- Powerful 500 mW audio output
- 11 Hour extended battery life
- RX/TX Battery power save
- Manual squelch adjustment
- IP 55 Rating
- PC Programmable



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Specifications

Base Station	General	
	Frequency range	440-470MHz
	Number of Channels	32
	Channel Spacing	12.5/20/25 kHz
	Frequency Stability	1.5 ppm (30 min. after wake up)
	Operating Temperature Range	-30°C to +60°C
	Dimension (wxhxd)	483 x 88 x 343mm (19" - 2U rack mounting)
	Net Weight	9.7 kg
	Receiver	
	Antenna Connector	BNC
	Audio Distortion	<3%
	Hum and Noise	>50 dB
	Audio Frequency Response	De-emphasis 6 dB/oct (from 300 Hz to 3 kHz)
	Audio Output	4 Watt @ 4 Ohms
	Transmitter	
	RF Output	25/10/5 Watt
	Duty Cycle	50%
Hum and Noise	>50 dB (Wide), >45 dB (Narrow)	
Microphone Sensitivity	5 mV	
Antenna Connector	Type-N (BNC adaptor supplied)	
Audio Distortion	<2.5% @ 1kHz	
Transceiver	Frequency Range	400-470MHz
	Number of Channels	16
	Channel Spacing	12.5/20/25 kHz
	PLL Steps	5/6.25 kHz
	Battery Life (5-5-90 duty) 2000 mAh	15 hours (12.5 hrs w/o saver)
	IP Rating	IP55
	Audio Output	500 mW @ 4 Ohms 5% THD
	Output Power	5/1 Watt
	Audio Distortion	<3% @1kHz
	Dimensions (wxhxd)	58 x 104 x 33 mm
	Net Weight	310 g
Ordering	430-00-30	Full Duplex TX/RX Base Station - Single Antenna 440-470MHz
	430-00-21	Full Duplex TX/RX Base Station - Dual Antenna 440-470MHz
	430-00-40	Low power setting for 1-2 Watt
	430-60-10	Folded Dipole Antenna
	430-61-10	Vehicle Whip Antenna
	430-62-11	TX Antenna Cable fitted with N-type connectors - 10 Metre
	430-10-10	16 Ch. UHF Transceiver - 400-470MHz inc. Rapid Charger
	430-80-02	Single Earpiece Padded Headset For 430-10-10
	430-90-02	Case with swivel belt loop For 430-10-10
	430-71-10	Six Slot Multicharger For 430-10-10
	430-13-00	Programming software
	430-13-01	Programming cable kit - 430-00-XX
	430-13-02	Programming cable kit - 430-10-10

International Sales

Trilogy Communications Ltd
 26 Focus Way, Andover,
 Hampshire, SP10 5NY, UK
 Tel. +44 (0) 1264 384000
 Email. sales@trilogycomms.com

USA Sales

Trilogy USA Inc.
 8201 Peters Road, Suite 1000,
 Fort Lauderdale, FL 33324, USA
 Tel/Fax. +1 847 461 1480
 Email. sales@trilogyus.com