

Product Brief

Wireless BaseStation

430 Series



Description

Setting a new benchmark in radio talkback performance, the AUDAX UHF base station delivers clear, reliable communication across a wide frequency range of 400-470MHz. Offering full duplex operation with 250 programmable channels, Audax has been specifically designed to meet stringent requirements within TV studios, OB/SNG and theatre applications.

The standard base unit accepts separate TX & RX antennas, however single antenna operation may be achieved by specifying the optional internal diplexer. Variable RF power level also ensures compliance with local licensing recommendations and optimisation for the desired area of coverage.

Audax provides compatible interworking with virtually all standard UHF transceivers. However, enhanced audio performance is achieved when used in conjunction with the Kenwood TK3360 transceiver. This compact, lightweight portable boasts advanced speech processing with tailored response characteristics ensuring optimum intelligibility even in noisy environments. Built to withstand rough treatment, this portable meets the advanced IP54/55 and MIL-STD 810 "blowing rain" waterproof tests and meet/exceed eleven other stringent MIL-STD 810 C/D/E/F environmental standards. Extended battery life and a wide range of accessories including headsets with in-line push-to-talk switch and PC programming software, make this the preferred choice for the professional user.

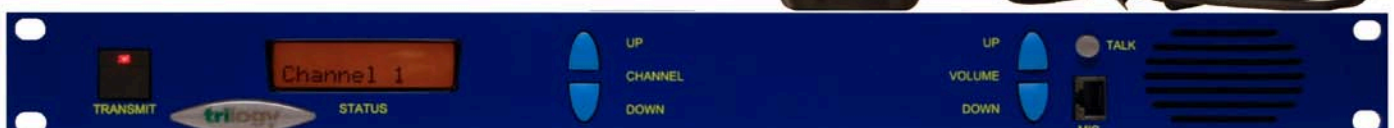
All Trilogy radio systems are supplied pre-programmed with user specified frequencies and ready for deployment. Seamless integration with Trilogy Intercom equipment is simply effected via line level audio connection.

Key Features - AUDAX Base Station

- Duplex operation over 400-470MHz
- 250 RF Channels
- 12.5, 20 & 25kHz channel spacing
- Single or Dual Antenna Operation
- Selectable Hi/Low RF Power Output
- Balanced Audio Input & Output
- Local Microphone & Speaker Facility
- Mains or 12Vdc Powering
- PC Programmable

Key Features - Kenwood TK3360 portable

- Semi Duplex operation over 400-470 MHz
- 16 RF Channels
- Tough and Water-resistant (IP54/55 MIL-STD 810 C/D/E/F)
- Selectable Hi/Low RF Power Output
- Powerful 1/2 Watt Audio Output
- 8 to 12 hour battery packs
- PC Programmable



Product Brief

Wireless BaseStation

430 Series



Specifications

AUDAX Base Station	Frequency range	400-470 MHz
	Number of channels	Up to 250
	Channel spacing / stepping	25KHz, 20KHz or 12.5KHz / 5KHz/6.25KHz
	Power supply	90-264 Vac or 13.2Vdc
	Operating temperature range	-10°C ~ +60°C
	Channel frequency spread	70 MHz
	Dimensions (excl projections)	W482 x H44 x D306 mm
	Weight	5.2 Kg
	Audio input/output connectors	3 pole XLR
	RF input/output connectors	1 or 5 Watts, 'N' socket
	Modulation distortion	Less than 3%
	Intermodulation	70dB
	Local speaker power	1Watt, less than 5% (typical)
Kenwood TK Portable Transceiver	Frequency Range	400-470 MHz
	Channel Frequency Spread	30 MHz
	Channel Spacing	25kHz/20kHz/12.5kHz
	PLL Channel Steps	5kHz & 6.25kHz
	Frequency stability	± 2.5 ppm
	Number of channels	16
	RF output power	Hi 4W / Low 1W
	Battery Life	9-12 Hours
	Battery Voltage	7.5 V DC ± 20%
	Operating Temperature Range	-30 °C to + 60 °C PLL
	Dimensions	56(w) x 109.30(h) x 40.7(d)mm
	Net Weight	282g (inc. KNB-35L battery)
Ordering Information	430-00-01	Full Duplex TX/RX Talkback Base Station - Dual Antenna
	430-00-10	Full Duplex TX/RX Talkback Base Station - Single Antenna
	430-60-00	Folded Dipole Antenna (400-500MHz)
	430-61-00	Vehicle Whip Antenna (400-500MHz)
	430-63-00	End Fed Dipole Antenna incl. 5m cable
	430-62-00	10 Metre Antenna Feeder fitted with N type connectors
	430-10-02	TK3360 16 Ch. UHF Semi Duplex Transceiver - 400-470MHz
	430-80-01	TK3360 Single Earpiece Headset with PTT switch
	430-90-01	Case for TK3360
	430-70-01	Single port charger for TK3360
	430-71-01	Six port charger for TK3360
	430-74-00	Spare Li-ion battery - 1400mAh
	430-12-10	Programming software for AUDAX base station
	430-12-21	Programming software for TK3360
	430-12-30	USB Programming interface for AUDAX BS & TK3360

International Sales

Trilogy Communications Ltd
26 Focus Way, Andover, Hampshire, SP10 5NY, UK
Tel. +44 (0) 1264 384000
Fax. +44 (0) 1264 334806
Email. sales@trilogycomms.com