

Digital Wireless Intercom

Description

Operating in the 1.9GHz band, the 200 and 202 Series Wireless Intercoms deliver interference free, resilient communication essential for any critical fixed or mobile broadcast production environment. Featuring full duplex, hands free communication these flexible wireless intercoms combine exceptional sound clarity with simple set up and ease of use.

With a capacity for 4 single channel beltacks, the 200 base station allows direct connection to a matrix intercom/programme source or to a mic/headset for a local operator. The dual channel 202 base station introduces further flexibility by enabling the beltacks to be grouped according to crew requirements, either as a single ring or as two rings using combinations of the single and dual beltacks.

Both the 200 and 202 base stations include provision to connect up to 20 party-line wired beltacks in two circuits, thereby allowing an integrated wireless/wired solution. A 'call' function, activated from the base station or beltacks provides a convenient means of alerting operators in noisy environments.

Beltacks are equipped with controls for call, volume level, microphone on/off and buzz/vibrator on/off together with indicators reporting battery, call and 'in range' status. Both dynamic and electret microphone types are accommodated.

The base stations afford the benefits of front panel detachable antennas with the ability to connect external antennas, either standard or directional to optimise reception over the desired area.

Beltacks are fitted with NiMH rechargeable batteries providing up to 50 hour operation on standby receive and 10 hours in conversation mode. Systems are supplied with a worldwide voltage, 3 hour rapid charger capable of charging 4 beltacks simultaneously.

Key Features

- Digital encrypted, duplex communication
- Licence free operation
- Diversity antennas for minimal dropouts
- Supports single and dual channel beltacks
- Interface for up to 20 party-line wired beltacks
- Lightweight, compact beltacks with 10 hour active battery life
- Adjustable side tone
- Light/vibrate/buzzer call system



Product Brief

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Specifications

	421-01-00 Single Channel Base Station	421-02-00 Dual Channel Base Station
Frequency	1.9GHz band	1.9GHz band
Modulation	GFSK/TDMA	GFSK/TDMA
Transmit Power	22dBm typical	22dBm typical
Receive Sensitivity	-92dBm typical	-92dBm typical
Beltpacks Per Base	4 x WBP-200	8 x WBP-200 or 7 x WBP-200 & 1 x WBP-202 6 x WBP-200 & 2 x WBP-202
Party Line Channels	2 channel, A & B selectable	2 channel, A & B selectable
Programme Input	Line or mic selectable	Line or mic selectable
Audio Output	Party line or mic only selectable	Party line or mic only selectable
Headset	Dynamic or electret selectable	Dynamic or electret selectable
Headset Connector	4 pin XLR male & 4 pin mini XLR male	4 pin XLR male & 4 pin mini XLR male
Power	90-250 VAC, 50-60Hz, 10 watt	90-250 VAC, 50-60Hz, 40 watt 12-30 VDC @ 2 amp
Dimensions / Weight	482 x 150 mm, 1RU high / 3kg	482 x 210 mm, 1RU high / 3kg
	421-30-00 Beltpack	421-31-00 Beltpack
Range	50 - 350 metre around base station	50 - 350 metre around base station
Battery Type	NiMH 3.6V rechargeable pack	NiMH 3.6V rechargeable pack
Battery Life	10 hours duplex mode 50 hours call receive mode	10 hours duplex mode 50 hours call receive mode
Headset	Dynamic or electret selectable	Dynamic or electret selectable
Controls	Call, vol level	Call, vol level, Mic on/off/ptt, Buzz on/off, Vibrate on/off, Channel A/B select, isten A/B balance, SA stage announce
Indicators	Call, battery status, low battery, Mic on/off, Buzz on/off, In range	Call, battery status, low battery, Mic on/off, Buzz on/off, In range, Channel A/B select
Dimensions / Weight	120 x 80 x 25 mm / 175g	120 x 80 x 25 mm / 175g
Headset Connector	4 pin mini XLR male	4 pin mini XLR male



Single Channel Base Station and Beltpack

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