

DIGITAL INTERCOM

WBPX

Multi-Channel Wireless Beltpack



The Green-GO communications system is a Ethernet network based digital intercom system. Users can talk to multiple groups and/ or direct to other users. Talking to a group can be compared to the analogue party-line or ring. A direct user talk is a private conversation. There is NO central matrix or routing engine required for the system, so it scales as it is needed by just adding devices to the network. An extra advantage of having no central unit, there is no single point of failure. Audio distribution, like program audio, can be easily injected in to the system and send to a group. The audio can then be picked up by any device on the network that is interested in it.

The Green-GO Wireless Belt-pack is based on the DECT technology. A full-colour OLED high- resolution display provides text information, cue signals, and shows the functions of the 4 buttons. With the Green-Go Wireless System, 1 antenna can serve 4 belt-packs, and each belt-pack can be connected to 4 antennas. Two rotary encoders, one on either side of the unit to suit both right and left handed users, are push-able to answer the latest audio source. They can also be programmed to control various other functions, for example one for level and one for channel selection. Four push buttons can be configured to provide instant access up to four channels. All matrix data is held within the belt-pack, which is powered via a supplied battery. Headphone/microphone set (not supplied) connects via a 4-pin XLR4 panel connector.



32 Channels

This system has 32 channels, a program audio channel and an extra channel to receive direct user communication.



250 Groups

An analogue system has one or two groups, the Green-GO system offers a maximum of 250 groups.



3000 Users

A user can be active on any device, even on multiple devices. Each user has a unique ID and a human readable name



WAA

Wireless Active Antenna

Specifications

- Dimensions of Beltpack and Antenna: 145mm x 85mm x 30mm
- Weight of Beltpack: 400g
- Weight of Antenna: 200g
- Power : Beltpack: 1800mAh Lithium-Ion battery, rechargeable thru the mini-USB port. Battery can be easy replaced and charged externally.
- Antenna: Powered by PoE (802.3af Standard Power over Ethernet) from the Ethernet port.
- Supports EU-DECT (CAT-iq V2.0, v3.0 partly), DECT6.0 for North America and Japan DECT
- ETSI (EU-DECT) and FCC (DECT 6.0) certified
- J-DECT pre-certified
ETSI 300 444 (DECT GAP) compliant
- RF range: 1870 MHz to 1930 MHz
- Receiver sensitivity < -93 dBm
- Transmit power:
EU: 23 dBm: 1881 MHz - 1897 MHz
USA: 20 dBm: 1921 MHz - 1928 MHz
JP: 23 dBm: 1895 MHz - 1903 MHz

General Audio Specifications

- Measurements made with MCD8 and WBP beltpack via WAA antenna
- Output headset, volume 0 dB
- Values are RMS 22Hz - 22kHz un-weighted
- Digital audio format: linear 16 bit 16/32 kHz sample rate (standard/enhanced audio)
- Wireless link: DECT with G722 wideband codec



Input Connector Type Electret mic bias / Phantom power Gain	Headset mic XLR4M pin 1 - 2 unbalanced 0/ 2,0/ 2,5/ 3,3V +30 - +70 dB	Panel mic XLR 3F balanced +10V +24 - +64 dB	Line XLR 3F balanced -6 - +34 dB
Limit-level AGC Gate threshold Sidetone level	-12 dBFS = +2dBu Off, -45 dB - -20 dB 5 dB steps Mute, -24dB - 0 dB 3dB steps		
All wired units Noise THD @ 1kHz 40 dB gain 0 dBu out Latency mic- network - headphone	-70 - -55 dBu -70dB (0,03%) 12 msec	-70 - -60 dBu -70dB (0,03%) 12 msec	-70 - -55 dBu -70dB (0,03%) 12 msec
Wireless beltpack Noise THD @ 1kHz 40 dB gain 0 dBu out Latency mic- network - headphone	- 63 - -52 dBu -50 dB (0,3%) 26 msec		
Frequency response standard Frequency response enhanced <i>Enhanced only on wired units channels</i>	200 - 7000 Hz 200 - 14000 Hz	140 - 7000 Hz 140 - 14000 Hz	80 - 7000 Hz 80 - 14000 Hz
Output Connector Nominal level Max output Load	Headset All units XLR4M pin 3 - 4 0 dBu +20 dBu 32 - 600 Ohm	Internal speaker MCD/WP 2 Watt >8 Ohm	Line MCD XLR 3M 0 dBu +12 dBu o/p imp 24 Ohm