

RDX

Radio Interface

Interface to connect to "Walkie-Talkie" radio systems
One radio channel becomes one group of the Green-GO network



Features

- Ethernet port to Green-GO network
- Audio input and output on SUBD9 conenctor
- Push To Talk (PTT) function to remote the Radio "Walkie Talkie"

Specifications

- Dimensions of Beltpack: 145mm x 85mm x 30mm
- Weight : 400g
- Powered by PoE (802.3af Standard Power over Ethernet) from the Ethernet port.
- Connections:
 - 1 Neutrik RJ45 Ethercon connections
 - 1 SUBD9 connector to the radio base station wiring plan:
 - Pin 1 + 6 Audio input
 - Pin 5 + 9 Audio Output
 - Pin 4 Normally Open (PTT relay)
 - Pin 2 Normally Closed (PTT relay)
 - Pin 3 + 7 common



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.

Specifications (continued)

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

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

Frequency response standard
Frequency response enhanced
Enhanced only on wired units channels

200 - 7000 Hz
200 - 14000 Hz

Output

Connector
Nominal level
Max output
Load

Headset

All units
XLR4M pin 3 - 4
0 dBu
+20 dBu
32 - 600 Ohm