

## 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