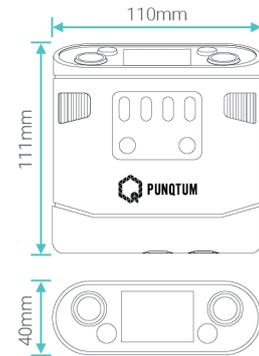# PUNQTUM
▶ BY RIEDEL

Q110 – Beltpack

The easy-to-use and ergonomic Q110 Beltpack offers two channels of IP-partyline-intercom and is packed with many useful features: power can be supplied via standard PoE switch or from our speaker station, beltpacks are daisy-chainable to up to eight units on a single network connection and you can even replay missed comms like voice-mail. It's the perfect solution for improved team communication during events from small to large.

Features

- Plug and Play
- Powered by any PoE source (Switch/Injector)
- Daisy-chain up to 8 beltpacks on one line
- Audio replay of missed calls (up to 30s)
- No master station needed
- Supports industry standard headsets (4-Pin)
- Easy-to-read color display
- Works with any IP switch

- Talk/Listen to any 2 out of 32 partylines
- 2 configurable "Talk-to-many" channels
- Flexible configuration
- Choose 1 out of 4 program inputs*
- Operate 4 out of 32 GPIO outputs*
- Talk to max. 4 PA channels*
- On- and Offline configuration software (Win/Mac)
        (*) Only with speaker station

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Volume menu button

Alternate page functions

Replay / skip back

Replay / skip forward

Back

Menu / ok

Volume control

Volume control

Talk button

Talk button

Colour display

Call button

Call button

110mm

111mm

40mm

Headset connector

Network & PoE output (pass through)

Network & PoE input

Beltpack Specifications

Power Source	PoE (max. 15W) PoE+ (max. 30W) 4-pair PoE (max. 90W)
Power consumption	2.5W typ. 3.5W max.
Sampling Rate	16 kHz
Headset Connector	XLR 4pin male
LAN/PoE Connector	RJ-45 EtherCon
Environment	IP53
Operating Temp.	-10° to +50°C
Relative humidity	0 to 90%, non condensing
H x W x D	111mm x 110mm x 40mm
Weight	255g

Product Information

Product name	Q110
Package contents	Q110 Beltpack, Beltclip, Quick Start Guide

Headphone Output

Output impedance	27 Ohm
Output level	+ 18.5 dBu (max.)
Frequency response	20Hz to 10kHz (+0/-0.25dB)
Distortion @ 1kHz	<-73 dB (0.02%)
Dynamic range (20kHz)	95 dB (A-weighted)

Microphone Input

Type	Dynamic, Electret
Full-scale input range	-53 ... +4 dBu
Distortion	< -75 dB (0.02%) @ + 4dBu FS (min. gain) < -68 dB (0.04%) @ -30dBu FS < -49 dB (0.35%) @ -53dBu FS (max. gain)
Dynamic range	92 dB (min. gain) 59 dB (max. gain)