

## Portable Audio Codec QUANTUM LITE

Handheld transmission unit over IP for reporters

### PRODUCT INFORMATION

Quantum Lite is Prodys' smallest portable device. It has a user-friendly touch screen interface adapted to the needs of any user. It enables reliable live contributions and professional recordings.

Quantum Lite is an extremely reliable device over wireless networks, due to the simultaneous use of two UMTS /LTE network connections (dual SIM) and the sum of bandwidth provided by up to 4 IP connections simultaneously (including WiFi and Ethernet).



### APPLICATIONS

Quantum Lite comprises two pieces of equipment in one: a live quality audio transmitter and an audio recorder that can record and edit files for later transmission. In this way a reporter can work both live and recorded with a single piece of equipment, being able to send the recorded files to the studio for later use through the available IP connections or allowing the realisation of "fake live", in which the reporter can give way to the previously recorded and edited audio clips.

Quantum Lite also allows you to create a small studio in any location. Quantum Lite allows the mixing of several audio inputs: microphone, USB to connect to a computer where there is previously recorded material (interviews, music, jingles, advertising audio...) and line, which can be connected to an external mixer to increase the capacity of the equipment to multiple participants. A complete radio studio without the need for expensive equipment.



# SPECIFICATIONS

Specifications are subject to change without notice.

## AUDIO SPECIFICATIONS

- AUDIO INPUTS**
- 1x Mic/Line with 48V phantom power (XLR connector)
  - 1x Line Input (minijack connector)
  - 1x USB Stereo

- AUDIO OUTPUTS**
- 1x Headphone Output (minijack connector)
  - 1x Line Output (minijack connector)
  - 1x USB Stereo

- COMPRESSION ALGORITHMS**
- Enhanced apt-X
  - OPUS
  - G722 (optional)
  - MPEG Layer 2 (optional)

- AUDIO MIXING**
- Audio mixer for all inputs with gain control
  - Input mixing with gain-controlled file playback.

- FILES**
- Live and off-line recording and playback
  - Linear and compressed audio recording
  - FTP and Fast FTP using bonding (proprietary). File Upload and Download.
  - File Editing
  - File storage in SD card or in USB devices

- CONTROL**
- 3x push-lock controls for microphone, headphones and cue.
  - Mic Mute button on screen.

## COMMUNICATIONS SPECIFICATIONS

- IP PROTOCOL**
- Full TCP/UDP/IP connectivity.
  - Unicast IP audio transmission/reception.
  - SIP/SDP/RTP/STUN according N/ACIP EBU Tech 3326 & 3368 (optional)
  - FEC and lost packets active recovery.
  - Automatic Jitter Buffer to avoid audio drops
  - SIP Diversity with two IP interfaces (optional)

- OPERACIÓN**
- Bonding or diversity upto 4 links for a reliable audio transmission with BRAVE proprietary protocol.

- ETHERNET**
- 1x 10/100/1000 BaseTx Ethernet port (RJ45 connector)

- Wi-Fi**
- Wi-Fi 802.11 b/g/n

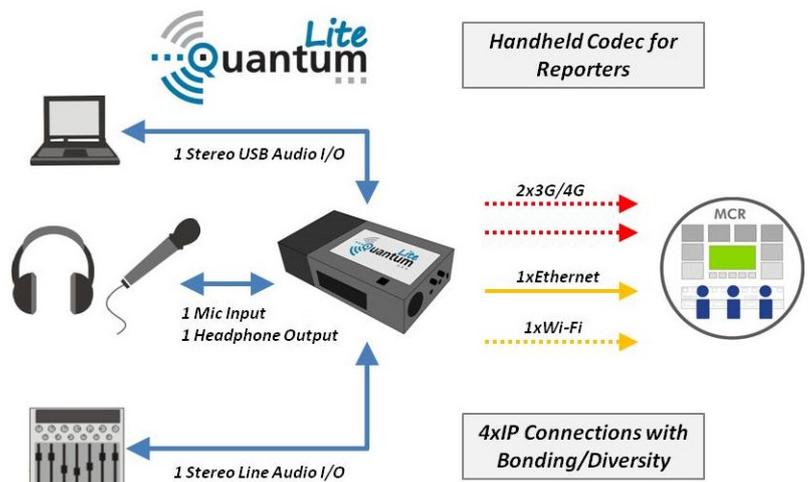
- 3G/4G**
- 2x internal LTE modems with microSIM slots.
  - Global coverage (optional)
  - Integrated antennas

## OPERATIONAL FEATURES

- CONTROL**
- User-friendly GUI with touch panel, integrated web server or ProdysControlPlus software.
  - Configurable user access control.
  - Presets, Profiles and Alarms

- POWER**
- 1 Li-pol battery 4/5h autonomy) (+ optional spare batteries).
  - 1 VDC input (operation and charge).

- DIMENSIONS AND WEIGHT**
- L x W x H: 177 x 43 x 93 mm
  - Weight: 580 g



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