
What can Quantum Lite offer you?





When we try to describe a piece of equipment, we should go beyond simply listing its technical characteristics and look at how this device can redefine the rules of the game. To revolutionize the world of broadcast transmissions, Quantum Lite has arrived...

Quantum Lite is a small portable self-contained 3G/4G audio encoder over IP and the clearest example of how a small professional audio unit is able to open up a new world of possibilities for its users.

Small, light and easy to use

When it comes to portable units, size matters. A reporter doesn't want to carry heavy equipment that will hinder their movements. Quantum Lite is the ideal size and weight for professional equipment of its kind. Its touch screen puts all the menus on the unit within reach. The unit is self-contained with built-in modems - no bits and pieces that can get damaged or lost. And thanks to ProdysControlPlus, full control of the equipment can be delegated to studio technicians, so that the reporter has to only concentrate on doing their job well.



Make your program in any location, with radio quality and secure transmission

Why not take the radio out on the street? With Quantum Lite, anywhere is good for an audio connection to the studio, with assured radio quality thanks to its professional quality design and the use of two built-in 4G modems that, working simultaneously, provide a fail-safe link. If this is not enough, it is also possible to add a Wi-Fi connection and a fixed network connection to further increase the device's connection possibilities.

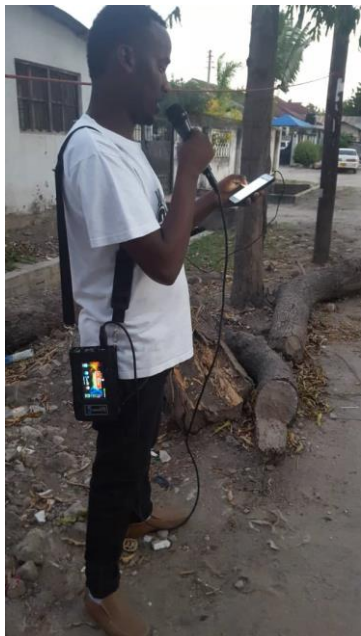
Thanks to Quantum Lite, OB vehicles can take a break, as it is now possible to move the technical means needed to cover an event in a small bag and access the breaking news location even by bicycle!



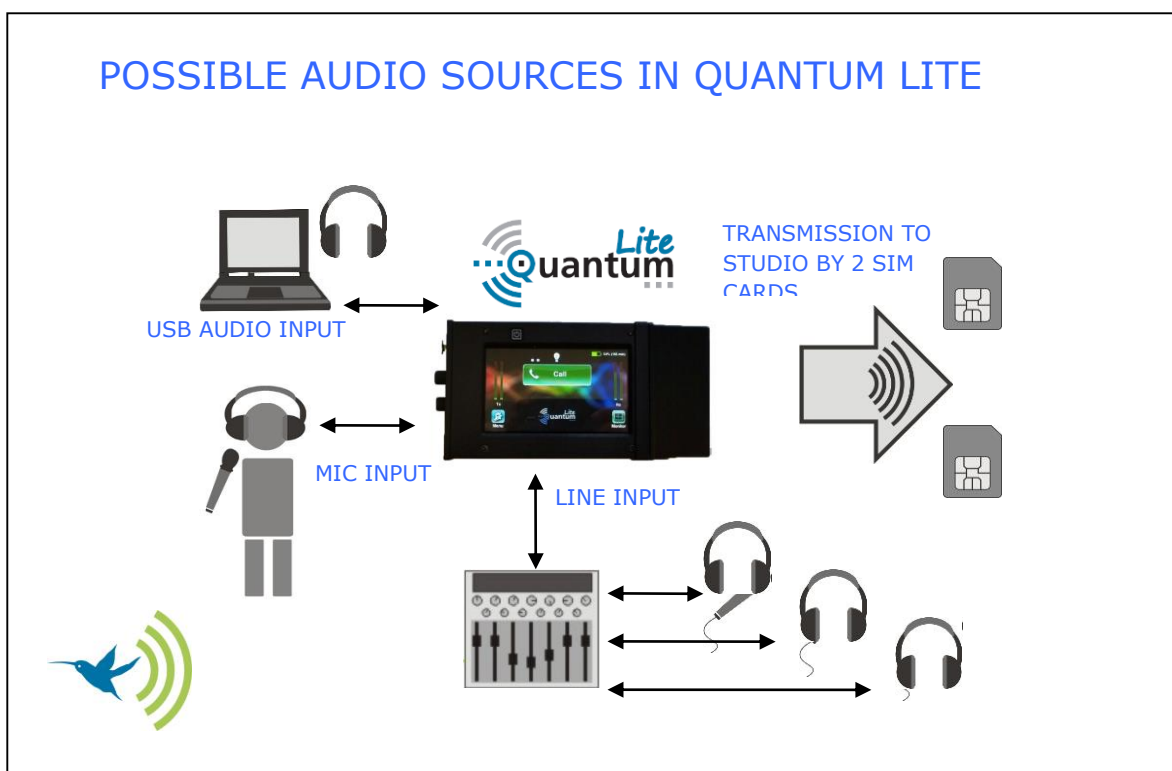
Recorder and transmitter in the same unit

Despite its small size, Quantum Lite encloses two devices in one compact unit: a device for live audio contribution and an audio recorder that allows recording and editing files for later transmission. This way, with only one piece of equipment, a reporter can work both on and off-line, being able to send the recorded files to the studio for their later use through the available IP connections. They can also insert pre-recorded "packages", such that the reporter can play out previously recorded and edited audio clips.

A home (or far from home) studio



Quantum Lite possibilities are not limited to mixing files and live audio. Quantum Lite is an extremely versatile piece of equipment that allows both a solo reporter and a small studio to be set up in a remote part of the world or in your own home. Quantum Lite allows the mixing of several audio signals from different sources: microphone input, USB input that can be connected to a computer where there is previously recorded material (interviews, music, jingles, advertising audio...) and a line level input/output that 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. Ideal for individual correspondents also large & small radio stations.



Technical specifications

Dimensions & Weight

- Width: 177mm; Height: 43mm; Depth: 93 mm.
- Weight with battery: 580 g.

Power Supply & Battery

- 1x Li-pol battery (autonomy 4h) (+ optional spare batteries).
- 1x VDC input (operation & charging).

User Interface

- 1x capacitive touch panel 95 x 55mm.
- 1x remote web control.

Audio inputs /outputs & controls

- 1x XLR microphone/line input with phantom.
- 1x headphone mini jack output Ø3.5mm.
- 1x line level stereo input mini jack input Ø3.5mm.
- 1x line level stereo output mini jack input Ø3.5mm.
- 1x stereo audio USB input /output port.
- 3x push-lock controls for mic, local headphone and return signal control.

Communications

- 2x integrated UMTS/LTE modems (micro SIM slots).
- 1x Ethernet port (10/100BaseTx Ethernet, RJ45 connector).
- 1x USB port (Wi-Fi port)
- BRAVE protocol with bonding or diversity.
- SIP and SIP Diversity protocols according to N/ACIP EBU Tech 3326 & 3368.
- OPUS & APTX audio compression. (G722 & MPEG Layer II optional).

Other functions

- Audio recording on removable SD memory cards (micro SD slot).



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