Quantum Revolution

Introducing the next generation of secure communication: our revolutionary device transmits data over a standard network cable, while using quantum encryption for unbeatable security.

The encryption keys are sent through a separate fiber optic channel, leveraging quantum modulation (QM) to ensure that any attempt to intercept or alter the data is immediately detected.

With the power of quantum physics, this system offers unbreakable protection for your sensitive communications by combining the simplicity of the Ethernet protocol with the cutting-edge security of quantum technology. Your data are now protected like never before.

QUANTUM QUEST

DEVICE MANUAL

Schrödinger Modulation ™

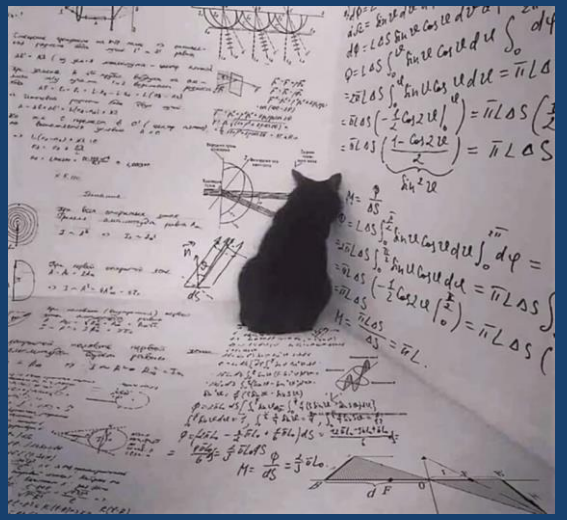
By default, the secret key is transmitted using Amplitude Division Multiplexing (ADM).

The device supports superposing up to two encryption keys by utilizing frequency division multiplexing (FDM). This technology allows the device to transmit multiple signals over the same channel by separating them into different frequency bands.

As a result, it can efficiently manage and secure two keys at once, ensuring a higher level of data protection without compromising performance.

One of the frequencies is reserved specifically for signal synchronization using our proprietary technology, Quantum Sync™. This advanced feature ensures that the encryption keys are perfectly aligned and transmitted without any loss of integrity.

By dedicating a frequency to synchronization, Quantum Sync™ guarantees seamless communication and optimal performance, even when transmitting multiple keys at the same time.



Configuration

While in debug mode, you can easily push a JSON configuration to the device by scanning a QR code. This allows for quick updates or adjustments to the system, using specific directives like speed, frequency, and other basic parameters.

Of course, in the next version, the device will be able to understand any format and even read configurations directly from your mind. For now, though, these manual inputs will give you full control during the testing phase.

Supported parameters:

- Frequency*
- QSync wavelength (Default 700nm**)
- Key1 wavelength (Default 480nm**)
- Key2 wavelength (Default None)

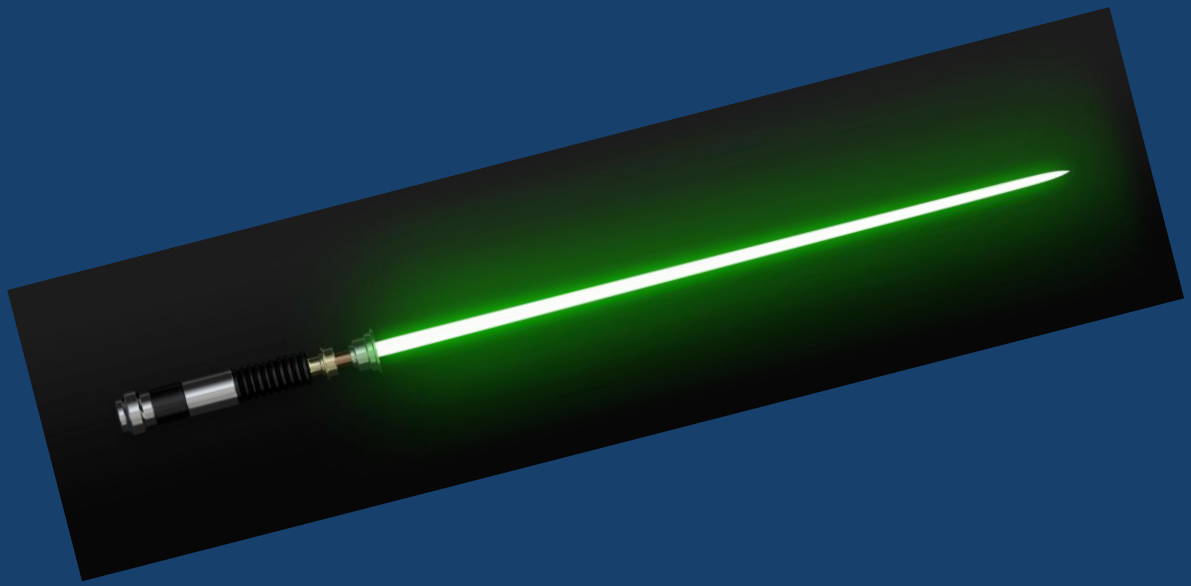
* Supported range 100 – 65535Hz
** Supported frequencies 700, 550, 480 nm

Confidentiality

While the ideal approach would be to send only one photon at a time over the fiber optic to prevent key interception, marketing a product with a tiny, low-powered beam would be difficult.

In the industry, mega lasers are often seen as more impressive and "cutting-edge," which makes it more appealing to potential buyers and help meet market expectations for power and prestige.

Therefore, a stronger laser beam is not only more visually striking but also aligns with the typical consumer mindset that associates higher power with advanced technology, making the product more marketable.



Debug mode

Please note that our device is still in its development stage. Thus, the debug mode is still enabled at this moment to fine tuning performances and troubleshooting the system.

This feature will help monitor the system and ensure everything runs smoothly while we continue to refine the technology.