

Lazarus Quantum Modem

The Lazarus Quantum Modem is a small coin sized device which allows instantaneous connection with a paired device via quantum entanglement. They cannot be jammed conventionally, nor their transmissions intercepted or decoded - and are simply a simplified miniaturized version of the quantum transceivers seen on other platforms.

While very robust and portable they are unfortunately quite expensive and are used extensively in the Consortium's Construct technology, allowing realtime instruction exchange.

The Lazarus Universal Modem has been used privately by the Consortium since early YE34 and went on public sale in [YE 36](#) and retails for 1000KS *¹⁾ GB²⁾/S³⁾. Special deals for ultra-high fidelity devices can be negotiated under special conditions. Bulk orders reduce prices substantially though the devices are scarce and produced in small numbers.

Statistics

Type: Portable Communications Modem Designers: [Lazarus Consortium](#) Nomenclature: LAZ-UM-01
Manufacturer: [Lazarus Consortium](#) Production: Mass Production

More about the Lazarus Universal Modem

Extremely small, the Lazarus Universal Model is essentially a quantum transponder. Any optronic/photonic input received on one device, the other simultaneously occupies to copy. The device usually comes in a twin pair which are pre-entangled with each other at the moment of manufacture. Commonly, they are duplex (issuing instructions both ways) though they can also be issued as simplex (one-way instructional passage) which are much cheaper in most cases. Generally as bandwidth capacity increases, price rises exponentially.

- Example: A remote device is connected to a server. The user, with the other modem gains permanent hardware access to that server. If the server is connected to a wider network, the user gains access to that network at speeds comparable to the server itself. If the server can't get online or is compromised, the server-side modem cannot access the wider world and thus neither can the user-side modem.

Each device is usually about the size of a small coin with ultra-low voltage demands. Producing no dangerous radiological emissions, it can be laminated in medical grade plastics and implanted into a person - giving them permanent access to their assets wherever they are and regardless of whatever they are using. To this end, it is commonly featured in the Consortium's construct technology. Often, constructs are bridged to "operators" - servers which seek to bridge two server-side modems together to create a relayed connection ergo proxy.

If either device is damaged or destroyed, both ends become useless as the entanglement surpasses the tolerance levels of the device, collapsing it. This may in some situations be desirable.

A damaged device cannot be repaired and a severed link cannot be re-established.

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