

MIKO Communications

A master list of sensor components of the [MIKO Electronics Suite](#).

The goal of this page is to flesh out sensor systems to be utilized by MIKO and its various modules in a way that a player can insightfully utilize a character stationed at the communications, command or other related stations on board [United Outer Colonies Peacekeeping Forces](#) ships.

Fiber-Optic Network

Fiber-Optic Network	
Speed of Communications	Speed-of-Light
Distance	Size of Network
Vulnerability	Secured

Fiber-optic networks utilize light as an electromagnetic carrier wave that is modulated to carry information. It can be utilized to transmit data or voice in a localized secured network. Fiber optics are reliable and secure being immune to electromagnetic interference, tapping results in signal modification and disruption identifying breeches easily. These networks operate under relatively low power conditions and produce no spark. With assistance from the computer these networks can be bridged to other communications systems to allow for even more dynamic operation.

Work well for planetary communications, and secured lines on ships, bases, and other facilities.

Sound-Powered Telephones

Fiber-Optic Network	
Speed of Communications	Speed-of-Light
Distance	Size of Network
Vulnerability	Secured

These phones will work without power because your voice acts as the source of current in the phone circuit. Because of the nature of these phones, each receiver is also transmitter; this means you can talk into the ear-piece if your mouthpiece is broken and vice versa.

Laser

Laser	
Speed of Communications	Speed-of-Light
Distance	Theoretically unlimited
Vulnerability	Secured

A directed beam of transmitted light or energy can be aimed at a target receiver, the beam can then

carry a signal which can only be received by the receiver on the path of the beam. Can theoretically transmit an unlimited distance but unfortunately, as with radio communications, the signal's speed is limited by the speed of light and the receiving party has to be in the right place at the right time.

Radio

Radio	
Speed of Communications	Speed-of-Light
Distance	Limited due to speed
Vulnerability	highly vulnerable

Radio is the wireless transmission of signals, by modulation of electromagnetic waves with frequencies below those of visible light.

Electromagnetic radiation travels by means of oscillating electromagnetic fields that pass through the air and the vacuum of space. It does not require a medium of transport. Information is carried by systematically changing (modulating) some property of the radiated waves, such as their amplitude or their frequency. When radio waves pass an electrical conductor, the oscillating fields induce an alternating current in the conductor. This can be detected and transformed into sound or other signals that carry information.

Full spectrum, Dual-Modulation, range theoretically unlimited except by interference. Practical range is short, since the waves only travel at light-speed.

Hyperspace

Hyperspace	
Speed of Communications	Faster-than-light
Distance	Unlimited, have to know where receiver is
Vulnerability	moderately vulnerable

Transmission of laser and radio communications through a hyperspace conduit, hyperspace being a dimension where the distances between points is shorter. The technology itself is based on the same premise as [Hyperspace Travel](#). The sender has to know the location of the receiver. In general unless the distance between the transmitter and the receiver is more than a few hundred light years are real-time. Transmissions can be blocked by [Anti-FTL Fields](#).

Products & Items Database	
Product Categories	computers
Product Name	MIKO Communications
Star Army Logistics	
Supply Classification	Class F - SYSTEMS WEAPONS ASSEMBLY MAJOR

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