



Sanyojan Yantra is a device to connect two tactical radios

“We are privileged to introduce Sanyojan Yantra, an interconnect solution designed to bridge and unify different radio networks.”

Sanyojan Yantra bridges the interoperability gap between conventional, digital, and analog radio systems.

It allows users to seamlessly integrate their existing radios with newer technology radios, enabling smooth communication between them. Our device is compatible with almost all major brands of two-way radios.

❖ **FEATURES:**

- Our prototypes are capable of bridging two distinct radio networks.
- Enables seamless interconnectivity between two different radio networks.
- Enables cross-patching between two radio networks operating on different frequency bands at the same location.
- It can also function as a repeater.

❖ **FOR ARMY PURPOSE ONLY:**

- Provides interconnectivity between all tactical radios and walkie-talkies.
- Enables interconnectivity between HF, VHF, and UHF radios.
- Tactical radios such as Star V, CNR, LUP, HX, and Motorola can be interconnected
- Communication between the above-mentioned radios can be conducted in secure mode.

❖ **SPECIFICATION:**

➤ **Connection Ports**

- DB 9 port for Interconnecting Radios.
- One LAN Port (1 X Ethernet Connector).
- One Power Pin Socket – 12VDC.

➤ **Led Status Indication**

- Four Dual Color Radio Status Indications (Rx/Tx).
- Single Color Power Led.

➤ **General**

- Operation Temperature Range: -10 to 50 degrees.
- Power: Battery Voltage 12 volts.
- Inbuilt Battery

➤ **Radio Signal Used**

- PTT (Open Collector signal 0V – 24V).
- Carrier (High to Low, Low to High – Configurable).
- Receive Audio (400 mV Signal).
- Transmit Audio (10 mV – 2V adjustable).
- GND

