



RAU

Radio Adapter Unit

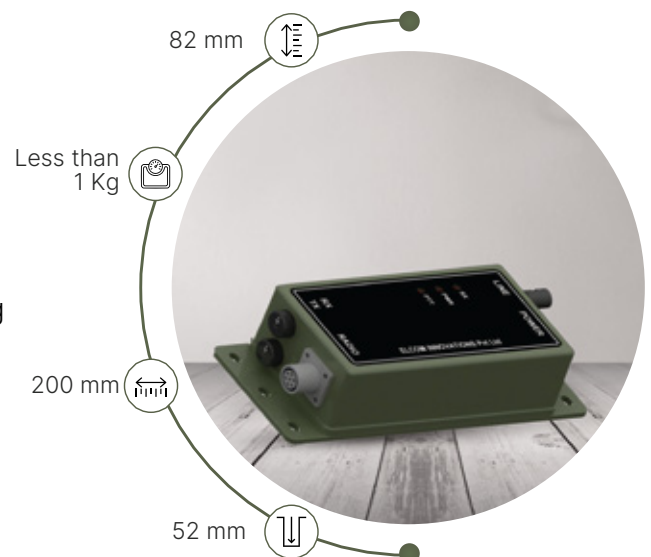
Radio Adaptor Unit (RAU) is a rugged, highly portable unit for extending radio handset up to a distance of 2Kms, using a single pair of copper wire. It enhances the radio link communication between warriors operating with poor or no RF signal strength like inside buildings, tunnels, bunkers, tactical vehicles etc. RAU can be easily connected to the Radio set using a radio interconnect cable. On the other end, spring loaded binding posts are provided for connecting a single pair of field wire to a remote located telephone. DC power for RAU operation is derived from either a radio set or an external battery. ELCOM's Advanced Field Telephone (AFT1001), can be connected to a single pair of wire and operated in radio mode.

APPLICATION

- Remote operation of Radio's with PTT signaling

FUNCTIONALITY

- Isolated 4 wire to 2 wire convertor for speech audio
- PTT signaling and audio over single pair of copper wire
- Military grade U-183, 6 pin audio connector for connecting radio interconnect cable
- Isolated power and audio circuit on board to avoid radio interferences
- 12VDC power feed from radio set Or 24V DC from Vehicle power
- Option of connecting external 12V/24V Battery
- EMI / EMC filters used for protection and compliances
- Spring loaded binding posts for connecting field wire



Environmental Data

- Operating Temperature : -30°C to +55°C
- Storage Temperature : -40°C to +70°C
- Relative humidity : 0 - 95 %
- Driving rain : 100 mm/hour

References

- Ruggedization : MIL-STD-810G/JSS 55555
- EMI/EMC : MIL-STD-461F
- ESD : EN-61000-4-2
- Lightning : EN-61000-4-5

Accessories

- Radio Cable (optional, specify Radio type)
Operator Manual

Physical Parameters

- Battery Operation : 9V- 36V DC
- Power Consumption : Less than 0.5W

Ease of Use

- Virtually plug and play and easy to set up.
- Compatible with almost all military and commercial radios.
- Rugged and water proof.
- Low power consumption for extended battery life.
- Remote handset over commonly used flexible single pair of copper wire.

This publication is not to be regarded as a complete system specification, or to be used as a contract document.

We reserve the right to change the design or specifications without prior notice.

