

APPI-COM^{LR} Full-duplex Radio

Product description

APPI-Com is a long-range conference mode radio and a Man-down detector to bring simplicity and safety.



Main features

- Hands-free conference mode with unlimited number of talkers.
- Range: up to 3.8Km (2.3mi) on a self-deployed and secured digital network
- Radio sharing: wired and Bluetooth connection
- Exclusive full-duplex technology: no fixed nor mobile base (SyncALL® patent)
- Lone Worker Protection: Man-down alert with relay through smartphone
- Confidentiality: digitally coded / each group has its own ID
- Removable rubber covers

Technical specifications

Radio range : up to 3800m (2.3mi) LOS

Frequencies : 863-870 MHz CE / 902-928 MHz (FCC/IC)

Number of channels : 19 (CE) / 32 (FCC/IC)

Power transmission : <500mW TDMA

Radio Certification : CE : ETSI EN 300 228 & 300 220-2 / FCC/IC part 15.247 / KDB 996369 D04

Modulation : FM, Class I : no restriction

Electromagnetic Compatibility: ETSI EN 301 489-17 & ETSI EN 301 489-3 EN 62311

Electrical parameters: IEC 62368-1: 2014

SAR : 1.1 to 1.24W/Kg (depends on version)

Bluetooth: Audio with GSM Gateway, Class II

Compatibility: APPI-Com (> V3.4) / APPI-Smart

Beeper/pager: yes

Man-down alert: yes plus relay through smartphone (APPI-Smart)

DSP noise filters: White noise: -12dB / SingleTone: -30dB / Siren: -20dB

Battery life: 6h to 8h / Charge : USB (Up to 2h)

Battery : Li-ion -3.6V / 16.92 Wh

Dimensions (HxWxD) : 91x48x15 mm

Weight : ≈ 80 g / 3 Oz

Operating temperature (Celcius) : -20°C /+50°C - IP66- ATEX version : CE II 3G/D Eex is T6 IP67 (-10°C/+60°C)

Charging temperature : Below 45°C