



The EVADE SERIES – Professional Full Duplex Wireless Crew Communication

Eartec EVADE are a new class of **Light Industrial** wireless team communication systems that provide instantaneous, hands free voice contact. Operating in full duplex mode they allow crews to talk simultaneously and hands free. They feature deluxe padding and a sleek, fully adjustable headband. EVADE have the capacity to link up to nine users within a 1/2 mile range.

EVADE headsets are self-contained with a compact full duplex transceiver built inside the ear cups eliminating wires and belt packs. Each complete intercom includes one "MAIN" headset that relays the digital signals generated by up to eight "Remotes". The headsets link automatically without a base station.

A digital wireless technology known as **Frequency Hopping** controls the operation of all EVADE intercoms. These specialty headsets automatically switch to clear channels.

General Instruction Booklet

EVADE | Features | Specifications

Features

Excellent performance – Range up to 1/2 mile

Radio installed inside earcup, no wires or belt packs

Li-Poly Batteries – Provide continuous 8 hr operation and are field replaceable

Auto Mute Boom – Mute when in UP position

Volume Control – Simple up / down push button adjustment

Sealed for use outdoors in inclement conditions

Light Industrial Design – Wear comfortably for an 8 hour work shift

Field Programmable – Start small and add to your system as needed

Specifications

Frequency Range

2407MHz-2475MHz

Data Rate

1MBPS

Bandwidth

150KHz

Channel Spacing

1MHz

Modulation Type

GFSK

Gain of Antenna

0db

Duplexing

Time Division Duplex (TDD)

Speech Encoding

ADPCM/16kbit/s

RF Accessing

Time Division Multiple Access (TDMA)

Power Supply

Rechargeable Li-polymer Battery @ 3.7v/1000mAH

RF Output Power

80mw

Operating Temperature

0 – +50° C

Operating Relative Humidity Range

30% – 90%

Operation Current

110mA

Operation Time

8h

Range

1/2 mile (open field)

No FCC License Required