ICSm2™

The most COST EFFECTIVE Vehicle Intercom System
for light vehicles, shelters, small boats.

Base System supports up to 12 crew, and 6 radios.
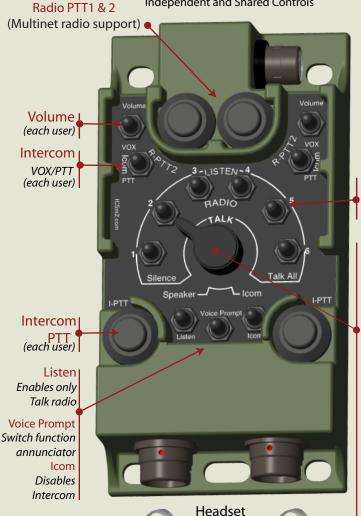*Expanded System for 24 crew and 12 radios.*

Small Ultra Low Profile, Crew Stations

1.25" high 2.75" wide 5.4"Long

Single cable RS-485 connection between crew stations and Radio Hub allows separation up to 3000 feet.

Radio Hub
(Located next to radios)

2 User Crew Stations
with
Independent and Shared Controls

Radio PTT1 & 2
(Multinet radio support)

Volume
(each user)

Intercom
VOX/PTT (each user)

Listen
Radio Monitor Selection

Rotary Talk Switch
1-6 Selects Talk Radio

Talk All
Concurrent transmission over all "Monitored" radios

Intercom PTT
(each user)

Silence
Prevents radio from transmitting (Commander control)

Listen
Enables only Talk radio

Icom
Handset PTT operates Intercom

Voice Prompt
Switch function annunciator

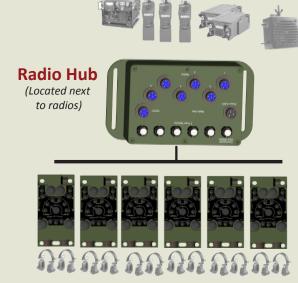**Speaker**
Routes headset mic audio to external speaker

Icom
Disables Intercom

Headset Ports

Supports powered or unpowered headsets, dynamic or electret microphones.
Each port has an independent noise gate, volume control, and intercom VOX/PTT selection.

Key Features and Specifications

Easy to use
Intuitive operation
Individual control for each function
Voice prompts annunciators ease nighttime use
Minimal installation
Low cost architecture
High reliability
Low power, 6 Watts typical with 4 Crew Stations
DC power 9 - 32 Volts
Single power entry for entire system
Radio Hub powered Crew Stations
28 Volt operation designed to meet Mil-Std-1275a
Rugged construction aluminum enclosures
Designed to meet Mil-Std-810
All external lines EMI filtered
Designed to meet Mil-Std-461
Small size low profile 1.25" x2.75" x 5.4"
Integral PTTs ORed with headset PTTs
Supports unpowered and powered headsets
Supports electret and dynamic microphones
Completely digital except for analog ports
DSP audio processed
Radio interface transformer isolated
Radio PTT lines optically isolated
Headset microphone transformer isolated
Low impedance 8 Ohm earphone driver
~100dB isolation between audio paths
Audio input ports automatically leveled
WEB server provides remote and local updates and configuration entries
Custom design features available

ICSm2