



W5

Minicom IP

Minicom IP is an IP-based intercom system/communication controller that enables the system's functionality to be tailored to meet various requirements.

PRODUCT CATEGORY

SYSTEMS INTEGRATION

Seamless System Integration

The system provides seamless integration of internal and external communication. It consists of a number of units interconnected within an IP-based network.

All units are powered via PoE (Power over Ethernet) with 24 V DC.

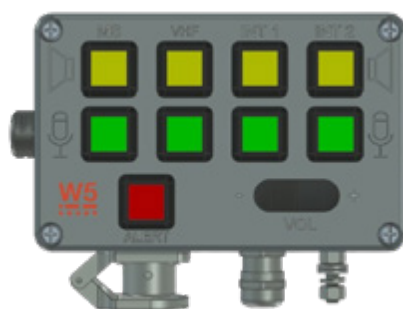
Main unit



Main unit

- Interconnection unit for loudspeaker and speech units, including the necessary interfaces to external equipment.
- The units are installed in the respective module/chamber and connected to the craft's emergency power supply (+24 V DC), as well as to single-mode fibre for communication between modules/chambers.
- The supply voltage is then filtered and distributed to the connected system units via PoE (Power over Ethernet).
- The unit is equipped with converters for single-mode fibre.
- A programming port is located on the front panel and may be used for configuration and diagnostics.
- An RGB indicator on the front panel displays the current system status.

Speech unit

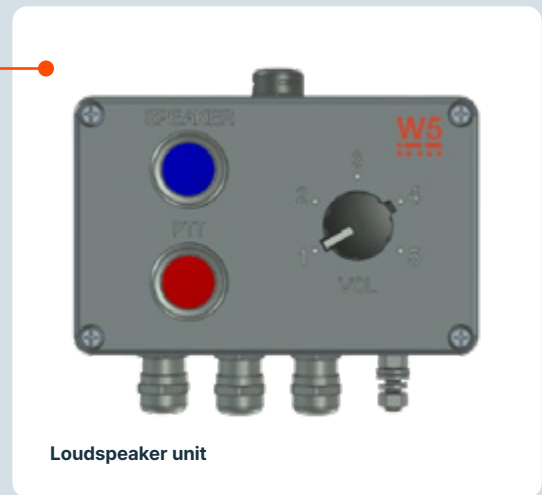


Speech unit

- Each unit is equipped with a line selector enabling monitoring and speech on one or more of four communication lines, as well as a headset connection.
- Monitoring or communication may take place via the headset in full duplex mode, or the audio may be switched to a loudspeaker unit, in which case speech transmission is controlled using a PPT button.
- The unit is equipped with an individual headset volume control, adjustable independently of the selected line.

Loudspeaker unit, Loudspeaker and Microphone

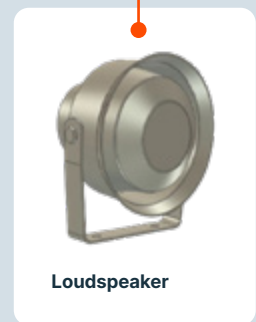
- Loudspeaker transmits audio from the associated Speech unit to the loudspeaker and provides audio pickup via the integrated microphone.
- The unit incorporates PTT-controlled speech transmission with feedback suppression functionality.
- Integrated volume control and mute functionality for local audio adjustment.
- Supports continuous microphone activation for ambient audio monitoring across other units with monitoring enabled. Remote deactivation of the monitoring function is supported from connected units.



Loudspeaker unit



Microphone



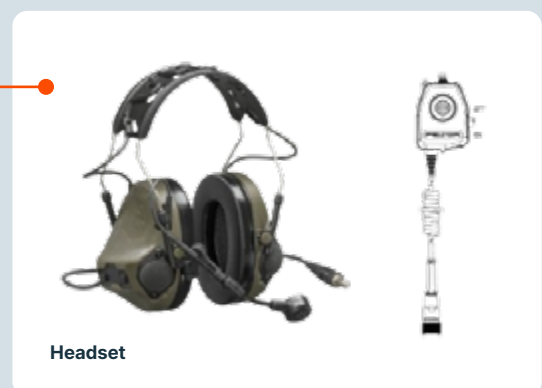
Loudspeaker

Mothership Unit

- The Mothership Unit features a mechanical design adapted to the operational environment, integrating the system into a yellow Peli-case for enhanced durability and portability.
- Designed for both headset-based and hands-free voice communication.
- Equipped with independent volume controls for headset and loudspeaker operation, the integrated loudspeaker also functions as a microphone for hands-free communication.
- In hands-free operating mode, speech transmission is controlled via PTT functionality with integrated feedback suppression.
- The system is configured for the ComTac VIII headset for the Swedish Army and the MIL Nsvy adapter with intercom mode locking switch.



Mothership unit



Headset

Specifications

SYSTEM SPECIFICATIONS

Supply Voltage:	24 V DC emergency power
Max. Power Consumption	60 W
Max. Current Consumption	2,5 A
Power Distribution:	PoE (Power over Ethernet)
Support Vessel Supply	Via towing cabel
Network Type:	IP-based
Fibre Interface:	Single-mode fibre
Radio Interface:	VHF audio / PTT
Analogue Interfaces:	USB-C
Towing Cable:	4 × 1 mm ² / 6 × 0,5 mm ²
Towing Cable Length:	60 m

MAIN UNIT

Material:	Aluminium EN AC-AISI12 (Fe)
Dimensions:	180 × 180 × 101 mm
Weight:	Approx. 2,5 kg
IP Rating:	IP66
Impact Rating:	IK09
Operating Temperature	- 40 °C to + 90 °C

SPEECH UNIT

- Full duplex headset communication
- 4-line communication selector
- PTT-controlled loudspeaker operation

Dimensions:	80 × 125 × 57 mm
Weight:	Approx. 0.6 kg

LOUDSPEAKER UNIT

- Integrated loudspeaker and microphone
- Ambient monitoring functionality
- Audio mute functionality

Dimensions:	80 × 125 × 57 mm
Weight:	Approx. 0.6 kg

MOTHERSHIP UNIT

Cable Interface:	Towing cable / sea cable
Enclosure Type:	Peli 1450EU Protector Case
Dimensions:	409 × 331 × 175 mm
Weight:	Approx. 5 kg
Operating Temperature:	- 25 °C to +55 °C
Sea Water Temperature:	- 2 °C to + 32 °C