



MIS-321/E

Marine Intercommunication System

MIS-321/E intercommunication system is considered for establishing voice communication between different divisions of a boat (e.g. cabin, engine room, and deck). Using this system, for operating each radio, captain and or co-captain can transmit/receive voice of the radios via the headset on their head instead of the radio handset. Important advantage of the system is getting access to the two individual radios for transmitting status by captain and co-captain simultaneously. Controlling RX and TX of the radios is accomplished via their control panel.

MIS-321/E can be connected to wireless intercommunication system so that wireless intercommunication interface is connected to the co-captain port and when the wireless intercommunication system is connected to the system, wireless crews get the co-captain access. In order to control the system parameters, a panel is considered to set the system operation settings.

In the MIS-321/E system the DNR technique is used for rejecting background noises so that decreases the noises considerably and causes to increase voice quality of intercommunication. In addition, this system includes an auxiliary input so that can be used for connecting voice systems to propagate music, alarm, and ...

Technical Specifications

Method of the system.....	DNR technique
background noise rejection	
Number of connectable radios.....	5 radios
Number of wired connectable crews.....	6 crews (captain, co-captain and 4 crews)
Input voltage.....	15~24VDC
Current consumption.....	about 1A
System topology.....	star
Number of wireless crews.....	4 crews
Type of voice communication.....	Full Duplex
between the crews	
Type of communication protocol.....	according to the DECT standard
Modulation type.....	GFSK
Operating frequency.....	1.9GHz
Transmitting power.....	maximum 100mW
Communication distance.....	100m LOS
Supply of wireless terminals.....	3 AA size batteries

Physical/Environmental Specification

Dimension (W×H×D).....	Central unit: 80×190×215 mm Radio control panel: 100×110×225 mm Operating panel: 110×110×30 mm Portable terminal: 39×74×140 mm Wireless intercomm. interface: 100×100×43 mm Charger: 190×90×135 mm
Weight.....	Central unit: about 2500g Radio control panel: about 1500g Operating panel: about 500g Portable terminal: about 400g Wireless intercomm. interface: about 500g
Operating temperature.....	-20°C ~ +65°C
Humidity.....	according to the MIL-STD-810
Salt spray.....	according to the MIL-STD-810
Rain test.....	according to the MIL-STD-810