

Air Diver Communications System



Imenco Nautronix manufactures a comprehensive range of diving communications systems to suit a variety of applications.

Single Channel

The 352X Modular Air Phone allows the user to configure the system to suit the number of users required by simply adding a diver card for each user. This is a 4-wire system (i.e. 4 wires must be available for each communication point) and can accommodate up to 6 divers. The major advantage of this system over traditional units is that each communication point has its own headset and microphone volume adjustments. This is particularly useful where different comms sets are used for each diver or where lengths of umbilical's may vary.

Another key feature of the 352X system is the modular cards can easily be replaced in a matter of minutes, in the case of a fault. This means minimal disruption to operations.

Special pickup cancelling features ensure that the highest audio quality is achieved providing high intelligibility speech in noisy environments.

Multi-Channel

The Multi-Channel Model 353X Modular Air Diver System has been designed to allow multiple channel communication for air diving and support personnel communications to be configured at each stage of the job at the push of a button. Each communications point requires a Diver Card (Model 3531). All cards have individual uplink and downlink volumes and can be switched in to one of the three available channels simultaneously.

The supervisor has additional capabilities. The Air Tender Card (Model 3530) is also a three-channel unit; however, the supervisor can choose to be in any or all three channels simultaneously.

There are 'Talk' and 'Listen' select buttons for each group as well as a momentary and global press to talk. The supervisor also has full uplink and downlink volume control.

The system is supplied with a Universal mains power supply which provides each card with a fused +/- 12V DC input. The diver cards are all fitted as standard with isolation transformers on the uplink and downlink to protect the divers from the possibility of electric shock.

The 353X System is highly recommended for applications where a permanently installed communication system is required for divers and deck personnel. It offers significant benefits over traditional single channel diver radios and puts the control of the dive communications firmly in the hands of the supervisor.

For further information, email
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Highlights:

- Easily expanded to meet various applications
- Individual volume controls for each location
- Wide range of input for headset and microphone impedances
- Flexibility to be operated in any communications applications ie tunnels.

MODEL 352X Air System	Specification
System	19" Rack Mount fully extendable modular system. All modules / racks connected by 64-way bus.
Wiring	4 wire duplex
Output	4 W per channel
Microphone Lines	Fully balanced and noise cancelling
Microphone Impedance	200 ohms Standard (divers), 50 ohms Standard (surface)
Volume Control	Each card fitted with individual uplink and downlink volume control.
Available Cards	Model 3520 - Tender Module (Supervisor) Model 3521 - Diver Module Model 3522 - Universal Power Supply Model 3523 - 3U 19" Card Cage with 64 Way Bus
MODEL 353X Air System	Specification
System	19" Rack Mount
Wiring	4 wire duplex
Output	4 W per channel (max 8 channels)
Microphone Lines	Fully balanced and noise cancelling
Channels	3 Independent Channels
Modules	Each module individually fused
Available Cards	Model 3530 - 3 Channel Tender Card Model 3531 - 3 Channel Diver Card Model 3522 - Power Supply Module Model 3534 - 3U 19" Rack Model 3501-1205 - Headset

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