



## NAIS

### Naval Audio Intercommunication System



Orbit offers you the Naval Audio Intercommunication system - NAIS. This new generation, highly intelligible, secure digital Audio Management System is designed to meet the specific needs of advanced seaborne applications.

NAIS is a fully digital (audio & control), secure, audio management system that integrates the routing and distribution of audio & data between crew members, maintenance crew, technicians and the host vessel communication data & recording systems.

NAIS is a COTS (Commercial-Off-The-Shelf) system, supporting up to 36 users, 16 radios, 31 receivers, 6 recording outputs, discrete and internal intercom lines.

NAIS is adaptable and expandable to any configuration requirement, having been tested and found suitable for the unique environmental conditions of naval applications.

Based on a modular, fully digital, high-performance, open architecture, NAIS is designed to enable reliable intercommunication, meeting all relevant standards.

NAIS will provide you with crisp and clear communication, always keeping you one sail ahead.

#### BENEFITS

- High security level
- High voice quality
- Adaptable to various naval applications
- Superior Cross-Talk isolation
- High reliability (MTBF)
- Easy installation
- Easy maintenance

#### KEY FEATURES

- Extended Built-In-Test (BIT) mode
- Unlimited number of private intercom nets
- VOX capability
- Emergency & Backup modes
- Individual volume control
- Programmable audio input/output levels
- Advanced illuminated front & panel
- Wireless headset (optional)
- VoIP interface (optional)
- IP67 tested

*Specializing in the delivery of communication management systems for over 40 years, Orbit pioneered the industry's shift to digital communications technology. Our dedicated 24/7 service team delivers high levels of service and responsiveness to both customers and partners. With over 1,800 installations worldwide, Orbit's solutions are deployed on myriad platforms including the C-130, KC-135, King Air 350, P-3, F-15, F-16, MIG 21, CH-53, Mil 8, T-38 and more. Orbit's customers consist of many of the world's aviation leaders, such as Airbus Military, Boeing, Lockheed Martin, Rockwell Collins, Embraer, Gulfstream and Bombardier. Our proven CMS product offerings are certified to meet the stringent standards and specifications of the most demanding users, including the US Navy and US Customs and Border Protection agency.*

## NAIS System Specifications

Power Supply	16-32VDC NATO STANAG 1008 ED 8 MIL-STD-1275 MIL-STD-704A
Digital Control	Redundant RS-485 Control Bus
VOX Attack Time: Release Time:	<50 msec 1.5±0.5 sec
AGC Attack Time: Release Time:	<50 msec 1.5±1 sec (selectable 0.8-3.5 sec)
Cross-Talk	Better than 100dB at 1 KHz
Audio Input (PC Setting)	0.2-13V

Audio Output (PC Setting)	0.2-1.5V
Frequency Response	3dB@300Hz to 6KHz
Noise Level - No Signal	Better than 60dB below rated output power
Microphone Inputs	Dynamic 4mV
Filter	1020 Hz or 400Hz
Environmental Tests	MIL-STD-810 MIL-STD-108 MIL-STD-167 IP67
EMI Tests	MIL-STD-461

