



ICS

Inter Communication System



Orbit offers you a highly intelligible, secure audio InterCommunication System for two seater aircraft such as trainers & fighters:

D-ICS (Digital InterCommunication System): Supporting up to 2 users, 3 radios, 12 receiving inputs as well as recording outputs, the D-ICS is a COTS (Commercial-Off-The-Shelf) system, adaptable and expandable to any configuration requirement, providing the operators with crisp and clear communication.

A-ICS (Analog InterCommunication System): Supporting up to 2 users, 3 radios, 9 receiving inputs as well as recording outputs, the A-ICS is a COTS (Commercial-Off-The-Shelf) system, adaptable and expandable to any configuration requirement, enabling an easy operation of the audio communication.

D-ICS and A-ICS were specifically designed to meet the requirements of the most advanced applications in two seater aircraft such as trainers & fighters.

D-ICS integrates the routing and distribution of audio using the central AIU (Audio Interface Unit) and one ACP (Audio Control Panel) for each station. This enables communication between the pilot & co-pilot and the external audio sources, and/or audio received from other systems such as radar altimeter warning, RWR, MWS etc.

A-ICS integrates the routing and distribution of audio using one ACP (Audio Control Panel) for communication between the pilot & co-pilot and the external audio sources, and/or audio received from other systems such as radar altimeter warning, RWR, MWS etc.

D-ICS and A-ICS provide you with secure, clear and reliable audio communication, ensuring you will fulfill your needs and accomplish your mission successfully.

BENEFITS

- High security level
- Superior Cross-Talk isolation
- Adaptation to various combat aircraft
- Easy installation
- Easy maintenance

KEY FEATURES

- Emergency & Back Up modes
- Built-In-Test (BIT) mode
- Individual volume control
- VOX capability
- Hot Mic (hands free)
- HOTAS (optional)
- Night Vision Goggles (NVG) compatible (optional)
- Built in Voice Message Unit (optional)
- TB station (Tx/Rx)

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.

ICS System Specifications

D-ICS (Digital Audio Interface Unit)	
Power Supply	18-32V
Panel Lighting	28VAC or 5VAC/DC
Digital Control	Redundant RS-485 Control Bus
VOX Attack Time: Release Time:	<50 msec 1 + 0.5 sec
AGC Attack Time: Release Time:	<50 msec 1 + 0.5 sec
Frequency Response	3dB@300Hz to 6Khz

Noise Level - No Signal	Better than 60dB below rated output power
Microphone Inputs	Dynamic 0.5mV compatible with M-101 or equivalent
ACP - Dimensions	3.374"(H)X5.750"(W)X5.795"(D)
AIU - Dimensions	4.5"(H)X5.5"(W)X8"(D)
Weight ACP: AIU:	4Lb 5.5Lb
Environmental Tests	MIL-STD-810
EMI Tests	MIL-STD-461

