

NAT Intercoms

...Industry
standard
since 1979



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NAT General Aviation Intercoms

Designed to satisfy demanding environments, Northern Airborne's general aviation intercoms are high quality, rugged, compact, voice activated systems with many of the features found in larger commercial aircraft. NAT's exclusive state of the art technology ensures clear, crisp communications throughout the aircraft without annoying clipping, which often occurs with relay-activated systems. All NAT panels are loaded with features that will satisfy most aircraft audio system requirements.

ANF™ (Active Noise Filtering)

This advanced technology helps to isolate the human voice while filtering out unwanted ambient noise entering the intercom channel. Clear, clean intercom communications result in a more comfortable and safe flight.

High Quality Surface Mount Technology (SMT)

State of the art technology provides reliability and performance through environmental protection and solid construction. Our products use high quality components, including sealed gold contact switches, dry nitrogen filled/high vibration rated sealed relays, gold contact connectors and a fully masked, post coated, flame retardant circuit board. Each unit is temperature cycled and life tested.

Pilot Isolate Mode

Separates the pilot from the system, allowing confidential radio communications without interference from passenger intercom or music.

Gradual Return of Music Mute

Music muting is automatic during all radio transmissions and during ICS activity. Upon conclusion of radio or ICS operation, the music gradually returns to its previous level.

Power Input

11 - 32 VDC

Headset Output Power

100mW per channel

Bicolor LED-ICS/TX Activity

Indicates amber during ICS activity and green during transmit.

Pilot Priority Transmit Override

Allows the pilot to override the co-pilot (or instructor to override the student) during radio transmissions.

Patented Individual Microphone Gating

Aircraft noise is significantly reduced within the intercom through independent microphone circuits. By "turning on" only the active microphone, internal communications are quieter and less stressful.

Mounting Options

Vertical or horizontal.

Emergency Fail-Safe

In the event of a power failure, the ICS is automatically by-passed and the pilot is routed directly to the radio audio system.

Short Circuit Protection

Provided to ensure continued operation in the event of a headset failure.

NAT Intercoms - where excellence is heard!

www.northernairborne.com



DA80 DigiVOX™

2 or 4 place

DSP Technology Digital technology with proven design concepts provides superior performance over analog devices. DSP filtering is provided on all inputs to reduce unwanted electrical noise from other aircraft systems.

Digital Voice Messages provides intercom operation modes. On power up and selection of specific actions, the pilot is notified with verbal confirmation: "System Ready" "Normal Mode" "AutoVOX" "Stuck Mic" and "Pilot Isolate". When the pilot selects Pilot mode, only the co-pilot and passengers hear the conversation.

VOX / LIVE / AutoVOX Mode The VOX squelch adjustment on the front panel provides 3 modes of intercom operation. The full counterclockwise position puts all microphones in the LIVE mode for continuous voice operation. Turn the squelch control to partially set the VOX threshold for noisier environments or turn fully clockwise to AutoVOX for true 'set and forget' operation.

Stereo Music Input Accepted from either portable entertainment units, CD changers, or other integrated onboard systems. Sophisticated channel mixing delivers high quality monaural music to standard aviation headsets.

AA80 Compatible Direct plug compatibility.



AA83/AA82 InterMUSIC™

4 or 6 place

ICS Tie Line NAT's exclusive feature allows the panel to be part of a complex multi-unit system as either a primary or secondary component.

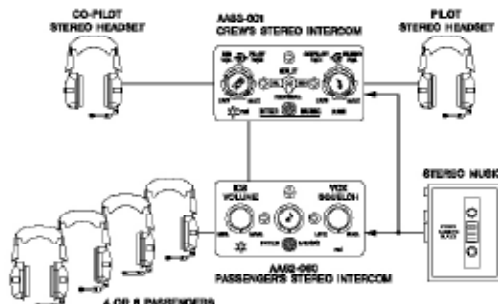
Pilot / Split / All Modes In the split mode, the AA83 and AA82 become independent intercoms to support separate ICS groups.

VOX / LIVE / PTT Modes Separate VOX controls for the pilot and crew/passengers.

Music / ICS Volume Adjusted on the front panel with individual controls.

Stereo Music The intercom is combined with a wide band stereo music processor and RX audio functions to provide an integrated communication system.

RX Volume, RX Balance, ICS Balance, Music Balance, Bass, Music Mute



Adjustable internally.



AA85 TSO InterVOX II™

2, 4 or 6 place

ICS Tie Line NAT's exclusive feature allows the panel to be part of a complex multi-unit system as either a primary or secondary component.

Pilot / Crew / All Modes Three position toggle switch allows pilot and crew isolation from passengers. Both the crew and passengers retain full intercom and music capabilities within their group while passengers are prevented from hearing any radio communications during 'isolated' operation.

VOX / LIVE / PTT Modes The intercom mode is set by the position of respective VOX controls. Separate VOX controls for the pilot and crew/passengers compensate for the differences in noise levels and headset types between the front and rear of the aircraft.

Stereo Music Input Accepted from either portable entertainment units, CD changers, or other integrated onboard systems. Sophisticated channel mixing delivers high quality monaural music to standard aviation headsets.

Adjustable Music Mute / Radio Input Levels (Internal) eg. Music mute level can be adjusted to mute 50% for passengers and 100% for the crew. Radio volume levels can also be set at a lower level for passengers while maintaining optimum volume for the crew.

AA80 Compatible and AA82 Expandable

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