

# AA21-400

Cabin PA/Siren Controller

2009 Data Sheet

# COBHAM

The most important thing we build is trust

The AA21-400 Cabin PA Controller is designed to provide centralized control for an aircraft's internal and external PA systems.

Contained in one panel mounted unit with an illuminated faceplate, the AA21-400 is able to provide both low level and high level (speaker) outputs that are more than adequate to support most public address and cabin paging applications.

All audio and keylines are interfaced to existing aircraft audio systems. The AA21-400 can be configured to have either the radio receive input or the CD input enabled. Radio RX/CD audio or PA mic inputs are selectable on the front panel. Adjustable sidetone is provided for the mic input, and a PA output with adjustable level is available.

The AA21-400 provides generation of wail and yelp siren audio on the low level output, selectable on the front panel and activated by enabling the siren keyline. The integrated 25 W speaker driver circuit is designed to drive an 8 Ohm speaker arrangement for internal paging.

A '+3 dB' function allows the output level of the system to be reduced 3 dB by grounding the input control line. Removing the ground returns the system to full output.

The AA21-400 also provides a configurable audio output signal to drive the input on remote mounted power amplifiers.

The AA21-400 can be used in two different configurations. One configuration is designed to drive the PA110/PA220 series amplifiers, and

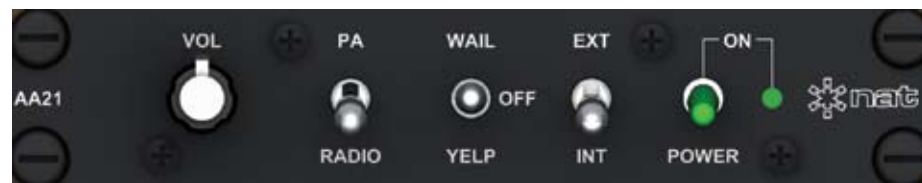
the other is designed to drive the PA250/PA700 series amplifiers.

Thermal protection is designed into the intermediate and final stage amplifiers to protect the unit during very hot or extended high power operating conditions.

Offering state of the art design, better frequency response, and centralized control, the AA21-400 maximizes the performance and reliability of the aircraft's PA system.

The AA21-400 is available in standard configurations or customized panel layouts, with 5 VDC or 28 VDC standard White lighting, plus optional NVG friendly/NVIS compliant lighting.

AA21-400 is TSO certified.



## Features:

- Centralized PA control
- Illuminated faceplate
- Adjustable sidetone
- Selectable Wail & Yelp siren
- 25 watt internal speaker amp
- Adjustable output level
- Selectable INT/EXT operation

## Mechanical:

Height 1.12"  
Width 5.75" front, 4.97" rear  
Depth 6.33" excluding mating connectors  
Weight 1.4 lbs. (max.)

## Compliance:

DO-160D Env. Cat. B4-BAB[(SBM)(UF)]XXXXXXZBABB[TTX]MXXXX  
DO-170 Class II  
TSO-C50c

For technical specifications, see [Install & Ops manuals on website.](#)

For further information please contact:

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