

AA36-100

Universal Tie Line Adapter

2009 Data Sheet

COBHAM

The most important thing we build is trust

The AA36-100 Universal ICS Tie Line Adapter allows upgrades and additions of NAT audio systems into aircraft with other existing audio systems, interfacing directly to their proprietary bi-directional or uni-directional ICS Tie Lines. The adapter offers the convenience and flexibility to interface NAT audio systems with many of the industry's other audio systems such as Gemelli, Telephonics, Andrea, dB Systems, Honeywell, and Team.

Additionally, this adapter allows NAT audio systems to be easily combined with panels that do not support any type of Tie Line by using the mic and phone interfaces, such as the KMA24H and GMA 34x series.

Utilizing state-of-the-art technology, the AA36-100 offers a simple and inexpensive method of expanding an aircraft's audio system without

the costs and downtime associated with the replacement of the existing equipment.

All incoming audio signals are first amplified, then digitized and processed through a DSP. They are sampled, compared and then filtered to prevent audio loops and feedback. The signals are converted back to analog, amplified to meet the requirements of each Tie Line, then blended on to the Tie Lines of each audio system.

The AA36-100 will allow up to 3 NAT panels to be added to an alternate type of audio system. It features adjustable input and output levels to match the most commonly used configurations.

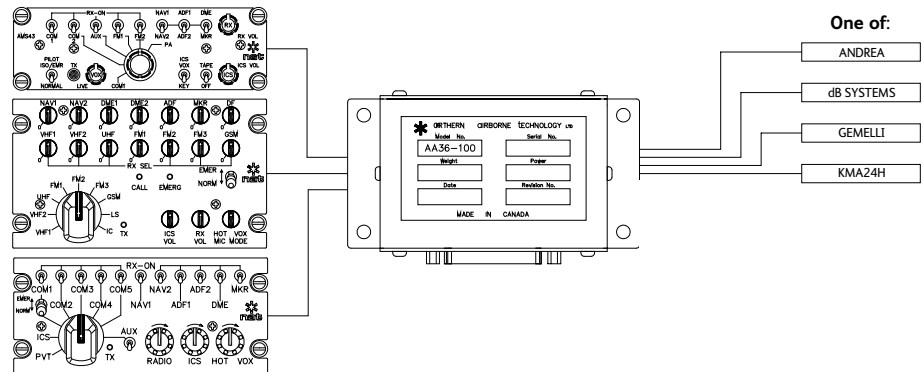
A primary mode control selects the type of ICS Tie Line (system) that will be used. Adjustments are then set to achieve the best configuration

match. Finally, each Tie Line output has a gain control to balance the system levels.

The AA36-100 is manufactured to high quality standards. It incorporates numerous design and safety features such as field adjustable levels and short circuit protection on all outputs. Packaged in a remote mount chassis, the adapter provides an effective method of delivering balanced performance in a 'multi-brand' intercom system.

Features:

- Compatible with various OEM ICS Tie Lines
- Bi-directional configurations
- Uni-directional configurations
- Mic/Phones interface
- DSP technology
- DO-160D qualified



Mechanical:

- Height 1.4"
- Width 4.5"
- Depth 4.6" excluding mating connectors
- Weight 0.8 lbs. (max.)

Compliance:

- DO-160D
- Env. Cat [(A1)(D1)]-XXB(SBM)(UF)XXXXXXXXXX[UUX]MXXXX

For technical specifications, see Install & Ops manuals on website.

For further information please contact:

Cobham Avionics
Communications
14 - 1925 Kirschner Road
Kelowna, BC Canada V1Y 4N7
Tel: (888) 763-2232
Fax: (250) 762-3374