

## Digital ICS Tie Line Adapter

The AA36-100 Digital ICS Tie Line Adapter enables upgrades and additions of Cobham/NAT-format audio systems into aircraft with other existing audio systems. It interfaces directly with their proprietary bidirectional or unidirectional ICS Tie Lines, as well as standard mic and phone ports. The adapter offers the convenience and flexibility to connect Cobham/NAT-format audio systems with various other audio systems in the industry, including Garmin, Telephonics, Gemelli, Andrea, Cobham/dB Systems, Honeywell, and Team. Additionally, it allows Cobham/NAT-format audio systems to integrate with panels that do not support Tie Lines by utilizing mic and phone interfaces, such as the KMA24H and GMA 34x series.

Utilizing state-of-the-art technology, the AA36-100 provides a simple and cost-effective solution for expanding an aircraft's audio system without the expense and downtime associated with replacing existing equipment. Incoming audio signals are first amplified, then digitized and processed through a DSP. They are sampled, compared, and filtered to prevent audio loops and feedback. The signals are then converted back to analog, amplified to meet the requirements of each Tie Line, and blended onto the Tie Lines of each audio system.

The AA36-100 allows up to three Cobham panels to be added to an alternate type of audio system and features adjustable input and output levels.

This compact, lightweight adapter is built to high-quality standards and incorporates numerous design and safety features, including field-adjustable levels and short circuit protection on all outputs. Packaged in a remote mount chassis, the adapter provides an efficient method of delivering balanced performance in a 'multi-brand' intercom system.



## DIMENSIONS

## AA36-100

Height	1.4" / 35.56mm
Width	4.5" / 114.3mm
Length	4.6" / 116.84mm excluding mating connectors
Weight	0.8 lbs / .36 kgs