

EAS 999



DIGITAL INSERTION UNIT

The EAS 999 Digital Insertion Unit is a digital device that is transparent to an AES/EBU digital audio stream and provides the capability of interrupting that stream to insert another AES/EBU stream or analog audio source. The EAS 999 contains an A-to-D converter that senses the sampling rate of the normal AES/EBU input and digitizes and formats the analog interrupt input at the appropriate rate to be delivered to the output.

SEAMLESS OPERATION

Because the EAS 999 senses the incoming AES/EBU data stream, it only switches between data blocks to eliminate the “pops” and “clicks” that are normally associated with digital insertion. If the AES/EBU insert input is used, the rate of the insert stream must match the normal stream rate.

SIGNAL DETECT

The EAS 999 supports all popular sampling rates, including 32, 44.1, and 48 ks/s. It senses the incoming rate and is transparent to the data stream.

MINIMUM DELAY

Because every digital device inserted into an audio stream contributes delay, design care was exercised in the Model 999 to minimize the amount of delay required. This eliminates delay build-up that results in separate processing feeds for live talent.

APPLICATIONS

- EAS insertion into digital AES/EBU stream, both radio and TV
- Insertion of emergency programming source into digital stream
- Digital console input expansion
- STL auto change-over between digital and analog systems
- Insertion of remote pick-up into digital stream

FEATURES AND BENEFITS

- Digital interrupt for AES/EBU
- Transparent switching
- Interoperability with all current AES/EBU formats including 32, 44.1, and 48 ks/s rates
- Hardware bypass provides signal path even on loss of power
- Utilizes industry standard XLR connectors which are easily rerouted
- Front panel status indicators

TFT
INC

FRONT PANEL

Indicators: Power
Normal
Insert
Synchronized

REAR PANEL

AES / EBU: Normal In
Normal Out
Insert In

Analog: Insert, L and R

Connectors: XLR for both AES / EBU and analog

Control / Status: +5 vdc
Sync (status)
Normal (status)
Power (status)
Insert (control) (logic "1" or + 5 vdc)
Ground

MECHANICAL AND ENVIRONMENTAL

Input Power: 117 VAC \pm 10% 60Hz,

Operating Temp: 0°C to 50°C

Size: 1 ¾" x 19" x 12"

Net Weight: Approximately 4 lbs.

Shipping Weight: Approximately 8 lbs.

