



EAS 629 Dual Digital Insertion Unit



MODEL 629 DUAL DIGITAL INSERTION UNIT

GENERAL DESCRIPTION

The EAS 629 Dual Digital Insertion Unit is a digital device that is transparent to two AES/EBU digital audio streams and provides the capability of interrupting those streams to insert other AES/EBU streams or analog audio sources. The EAS 629 contains two A-to-D converters that sense 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 respective output.

SEAMLESS OPERATION

Because each section of the EAS 629 senses the incoming AES/EBU data streams separately, 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 will match the normal stream rate.

SIGNAL DETECT

The EAS 629 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 629 to minimize the amount of delay required. This eliminates delay build-up that results in separate processing feeds for live talent.

FEATURES & BENEFITS

- Two independent channels for two AES/EBU streams—Primary and Secondary
- 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 paths even on loss of power
- Utilizes industry standard XLR connectors which are easily rerouted
- Front panel status indicators

APPLICATIONS

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

REAR PANEL



Note: The Model 619 is a single stream version of the Model 629 and has the same specifications.

SPECIFICATIONS

FRONT PANEL

Indicators

(for each section)
Power
Normal
Insert
Synchronized

Control/Status

+ 12 Vdc
Sync (status)
Normal (status)
Power (status)
Insert
Ground

REAR PANEL

AES/EBU

Normal In
Normal Out
Insert In

MECHANICAL AND ENVIRONMENTAL

Dimensions.....19 x 1.75 x 12 (inches)
483 x 44.45 x 305 (mm)
Weight.....4 lbs. (1.8 kg) (net)
8 lbs. (3.6 kg.) (shipping)

Analog

Insert (LEFT and RIGHT)

AC Power Requirements

120/240 VAC 50/60 Hz
40 Watts

Connectors

XLR for both AES/EBU and Analog

Operating Temperature.....0° to +50° C.

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