

TIME CODE ISOLATION & DISTRIBUTION AMPLIFIERS

Since their introduction in the early '80s, *ESE's* Audio and Video Distribution Amplifiers have been recognized for their broadcast quality and durability. Using very similar technology, *ESE* presents a line of Distribution Amplifiers (DA) capable of isolating and distributing most any type of Time Code. The basic idea for each model is the same... provide the ability to distribute time code and compensate for lengthy cable runs while isolating each and every unit in the Master Clock System.

Described below are units capable of handling any of the IRIG time codes, *ESE* Time Code™, SMPTE/EBU time code or ASCII time code.



ES-242
Quad 1x6 IRIG DA

The **ES-242** has four separate and isolated channels, each with six available outputs. The unit is designed to accept most IRIG time code signals in their carrier modulated forms, and output up to 24 identical copies. All inputs and outputs are via BNC connectors. Each channel has its own Gain control. The unit is rack mounted.



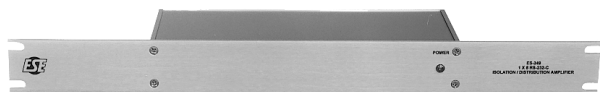
ES-243
Quad 1x6 ESE DA (or IRIG-'TTL')

The **ES-243** is designed to accept any *ESE* Time Code™ signal or any IRIG time code in its "TTL" form and output up to 24 identical copies. The unit has four separate and isolated channels, each with six available outputs. Inputs and outputs are via rear mounted BNC connectors and each output is capable of driving up to 4000' of cable. The unit is rack mounted.



ES-245
Quad 1x6 SMPTE/EBU DA

The **ES-245** is a Distribution Amplifier designed to distribute and isolate most any audio signal including SMPTE and EBU time code. Four channels, each with six outputs, provide up to 24 identical copies. Inputs and outputs are available on the rear mounted terminal blocks (optional XLR connectors are available). The unit is rack mounted.



ES-249
1x8 RS-232C/ASCII DA

The **ES-249** is designed to accept RS-232C/ASCII and output up to eight identical copies. The unit has a single input and eight outputs that are accessible on rear mounted 9-pin D-sub connectors. Due to the nature of RS-232C, if long cable runs are required, it may be necessary to utilize a different time code that is later translated into RS-232C. The unit is rack mounted.

Specifications

	ES-242	ES-243	ES-245	ES-249
Electrical:	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz
Power:	5 Watts Maximum	5 Watts Maximum	5 Watts Maximum	5 Watts Maximum
Mechanical:	1.75" x 19"; 10" Deep	1.75" x 19"; 10" Deep	1.75" x 19"; 10" Deep	1.75" x 19"; 10" Deep
Time Code Input/Output:	IRIG (A, B or E) In AM Form	<i>ESE</i> (TC76, TC89 or TC90) or IRIG (A, B or E) In AM Form	SMPTE/EBU (balanced or un-balanced)	ASCII (RS-232C)
Connectors:	BNC	BNC	Terminal Block	9-Pin D-sub
Configuration:	Quad 1 x 6 (1 x 24)	Quad 1 x 6 (1 x 24)	Quad 1 x 6 (1 x 24)	Single 1 x 8
Options:	J, UL	J, UL	J, UL, XLR	J, UL

