TIME CODE
ISOLATION & DISTRIBUTION AMPLIFIERS

Since the early '80s, **ESE**'s Audio and Video Distribution Amplifiers have been recognized for their quality and durability. Using very similar technology, **ESE** presents a line of Distribution Amplifiers (DAs) 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 unit in the Master Clock System.

Described below are units capable of handling any of the IRIG time codes, **ESE** Time Code or ASCII time code. If you're in need of a DA not mentioned here refer to our *DISTRIBUTION AMPLIFIERS* Brochure available on our website or contact the **ESE** Factory.

ES-210
Quad 1x6 1/5/10 MHz DA

The **ES-210** provides four independent 1x6 Frequency DAs in a single rack-mount enclosure. Each DA has loop-thru inputs and six isolated outputs, all accessible via BNC connectors. Screwdriver-adjustable Gain controls are provided on the front of the case. The Gain control provides an overall signal level adjustment of -1.6 to +3.4 db. Unused outputs need not be terminated.
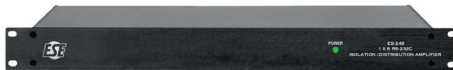

ES-242
Quad 1x6 IRIG(AM) DA

The **ES-242** is a quad, 6-output IRIG Time Code DA. Each amplifier provides a loop-thru input & six 600 ohm outputs. The inputs/outputs are connected via rear mounted BNC connectors. The unit distributes IRIG A, B, E, NASA36, XR3, 2137 & CS3 time codes it has a transformerless design that takes a single unbalanced input and provides six unbalanced single ended outputs.

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.

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 other time code that is later translated into RS-232C. The unit is rack mounted.

ES-250
1 x 24 RS-232/ASCII DA

The **ES-250** is an RS-232C Isolation and Distribution Amplifier. Three 1 x 8 amplifier circuits allow the incoming signal to be distributed via the 24 outputs. The unit receives RS-232C and buffers the signal so that each of the 24 outputs can drive a single "user" at a distance of up to 50 feet (per output). All inputs and outputs are via rear mounted terminal block connectors.

ES-251
1 x 24 RS-232/ASCII DA

The **ES-251** is an RS-232C Isolation and Distribution Amplifier. Three 1 x 8 amplifier circuits allow the incoming signal to be distributed via the 24 outputs. The unit receives RS-232C and buffers the signal so that each of the 24 outputs can drive a single "user" at a distance of up to 50 feet (per output). All inputs and outputs are via rear mounted terminal DB-9 connectors.

Specifications

	ES-210	ES-242	ES-243	ES-249	ES-250	ES-251
Electrical:	110-120 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz
Power:	5 Watts Maximum	5 Watts Maximum	2 Watts Maximum	2 Watts Maximum	2 Watts Maximum	2 Watts Maximum
Mechanical:	1.75" x 19"; 5" Deep	1.75" x 19"; 5" Deep	1.75" x 19"; 5" Deep	1.75" x 19"; 5" Deep	1.75" x 19"; 5" Deep	3.25" x 19"; 5" Deep
Time Code-	10 KHz-15mHz +/- .5db,	IRIG (A, B or E) NASA 36,	**ESE** (TC76, TC89 or TC90)	ASCII (RS-232C)	ASCII (RS-232C)	ASCII (RS-232C)
Input/Output:	1 Vpp nominal, 50 ohm	XR3, 2137 & CS3	or IRIG(A, B or E)AM Form	-	-	-
Connectors:	BNC	BNC	BNC	9-Pin D-Sub	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	1 x 24	1 x 24
Options:	J,UL	J, UL	J, UL	J, UL	J, UL	J, UL

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