

# AUDIO DISTRIBUTION AMPLIFIERS

The **ES-217** & **ES-218** (1x4) and the **ES-245** & **ES-246** (Quad 1x6) are Audio Distribution Amplifiers that accept a balanced or unbalanced audio signal and produce exact copies of that signal. The outputs are isolated and have recessed Gain controls. These units are the "Audio Counterparts" of the Video DA's (ES-207A and ES-247E respectively) shown on page 6.

All inputs and outputs are accessible on terminal blocks for simple "permanent" installations. Or, if option "XLR" is specified, all inputs and outputs are available on XLR connectors for easy disconnect/reconnect.

## Features:

- Terminal Block Inputs/Outputs (Optional XLR Connectors)
- Accepts Balanced or Unbalanced Audio
- Professional Audio Quality
- Ruggedized Enclosure
- Transformerless Audio



The **ES-217** is an Audio DA with four independently adjustable (via the top-mounted Gain controls) outputs, while the **ES-218\*** has a single Gain control that adjusts all four outputs simultaneously. The transformerless design accepts balanced or unbalanced audio and provides four exact copies. If unbalanced outputs are desired, up to eight separate and isolated feeds can be made. An input attenuator is also provided which is internally adjustable and may be used when using lower input levels. These rugged units are housed in orange-painted, die-cast aluminum boxes.

The **ES-245\*** is a quad 6-output Audio DA with 24 independently adjustable (via the front-mounted Gain controls) outputs, while the **ES-246** has four Gain controls (one per input channel). The unit is a transformerless design and each of the four channels accepts a balanced or unbalanced audio signal that provides six exact copies. If unbalanced outputs are desired, up to twelve separate and isolated feeds can be made per channel. An input termination switch (between 600Ω and 100KΩ) is also provided on the **ES-246**.

\*(Not Shown)

## Specifications

	ES-217	ES-218	ES-245	ES-246
<b>Input:</b>	Balanced or Un-balanced 2KΩ - 25KΩ	Balanced or Un-balanced 100KΩ	Balanced or Un-balanced 2KΩ - 25KΩ	Balanced or Un-balanced 600Ω or 100KΩ, switchable
<b>Response:</b>	20 - 20,000 Hz, +/- 0.2dB	20 - 20,000 Hz, +/- 0.2dB	20 - 20,000 Hz, +/- 0.2dB	20 - 20,000 Hz, +/- 0.2dB
<b>Gain:</b>	+18dB maximum	+18dB maximum	+20dB maximum	+20dB maximum
<b>Gain Controls:</b>	Four	One	24 (one per output)	Four (one per input)
<b>Output:</b>	600Ω	600Ω	600Ω	600Ω
<b>Output Level:</b>	+21dB maximum	+26dB maximum	+26dB maximum	+23dB maximum
<b>Connectors:</b>	Terminal Block	Terminal Block	Terminal Block	Terminal Block
<b>Enclosure:</b>	Die-cast Orange Box	Die-cast Orange Box	Rack Mount	Rack Mount
<b>Dimensions:</b>	4.7" x 3.7" x 2.2"	4.7" x 3.7" x 2.2"	1.75" x 19" x 5"	1.75" x 19" x 5"
<b>Electrical:</b>	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz
<b>Power Required:</b>	3 Watts	3 Watts	5 Watts	5 Watts
<b>Options:</b>	J, UL, XLR	J, UL, XLR	J, MT, UL, XLR	J, UL, XLR

