

## Audio Mix and Shuffle

The 5640 module is a fully featured audio mixer with channel shuffling. Perfect for audio signal handling, the 5640 can be used in a router path or with a server for reorganizing the outputs of multichannel sources. Other applications include use with a DVD authoring system where level adjustments are needed.

Flexible control of input and output options, with both analog and digital audio I/O available, this module is useful in all types of audio applications.

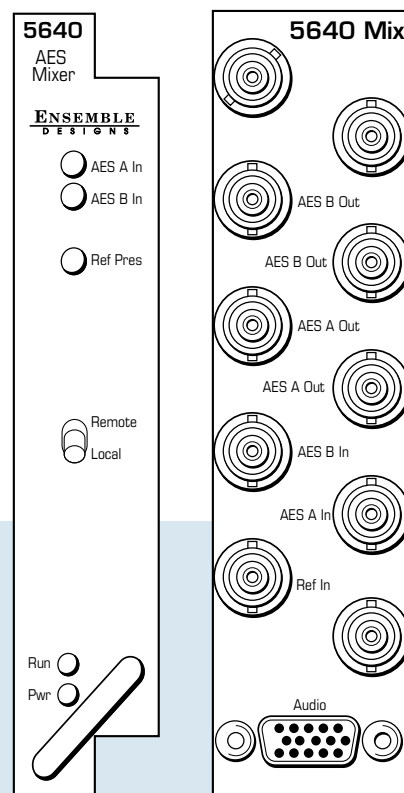
The 5640 can take four track material and mix down to a two track stereo output. There's no need to tie up a console for a mix down of multichannel material.

Module parameters, such as levels and channel routing, can be controlled with an Avenue Touch Screen or Avenue PC. There are individual level controls over the input and output channels. Each of the four output channels has a source selector. It's simple to correct audio phase inversion, even on a single channel within an AES pair. Five nonvolatile memory registers store your favorite presets.

The 5640 is a four channel device with AES inputs and outputs. Analog audio I/O options include the 5610 Four Channel Analog Input sub module; the 5611 Four Channel Analog Output sub module; and the 5612 Two Channel Analog I/O sub module. The analog audio options can be used in addition to the AES I/O. A sub module can be plugged onto the 5640 and does not take up a slot in the frame.

### Features

- » Four channel mixer and shuffler
- » Reorganize outputs of multichannel sources
- » Perfect for channel swapping with secondary audio processing
- » Mix down multichannel material
- » Excellent for level adjustment applications
- » Two AES inputs, two AES outputs
- » Optional Analog inputs and outputs
- » 20 or 24 bit inputs with 26 bit processing resolution
- » Data mode allows AC-3 to be passed
- » Remote control and alarms
- » Memory registers can be remotely recalled



**Audio Input Signal**

Number Two, AES A and AES B  
Channels Four total  
Signal Type AES  
Impedance 75 Ω

**Audio Output Signal**

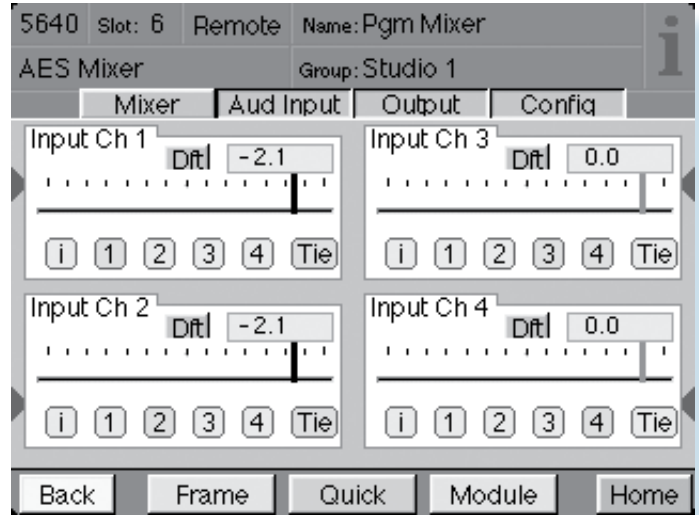
Number Two AES A and AES B  
Channels Four total  
Signal Type AES  
Impedance 75 Ω

Adapters available for 110 Ohm balanced AES

**General Specifications**

Power Consumption 10 watts  
Temperature Range 0 to 40°C ambient  
(all specs met)  
Relative Humidity 0 to 95%, noncondensing  
Altitude 0 to 10,000 ft

Control Menus are accessed via Avenue  
Control Panel and Avenue PC



5640 can accommodate one of the following:

- 5610 4 Channel A to D
- 5611 4 Channel D to A
- 5612 2 Channel A to D, 2 Channel D to A

