

### Optional Analog Audio I/O Sub Modules for the 5600 and 5640 Modules

The 5610, 5611 and 5612 are optional sub modules that provide analog inputs and outputs for the Avenue 5600 Embedder/Disembedder module and for the 5640 Audio Shuffler and Mix module. Sub modules plug directly onto the main module and do not take up a slot in the Avenue frame.

The 5610 sub module provides four balanced pairs of analog inputs. The 5611 sub module provides four balanced pairs of analog outputs. The 5612 provides two analog inputs and two outputs. See data sheets on the 5600 and 5640 modules for more details.

#### Model 5610 Analog Input

Analog Inputs	Four, Balanced Pair
Processing	24 bits
Analog Input Z	>15 k $\Omega$ , balanced, transformerless
CMRR	>60 dB, 20 Hz – 10 kHz

#### Model 5611 Analog Output

Analog Output	Four, Balanced Pair
Processing	24 bits
Analog Output Z	30 k $\Omega$ , balanced, transformerless
Max Output level	+24 dBu (bridging load), +22 dBu (600 $\Omega$ load)

#### Model 5612 Analog Input and Output

Analog Inputs	Two, Balanced Pair
Processing	24 Bits
Analog Input Z	>15 k $\Omega$ , balanced, transformerless
CMRR	>60 dB, 20 Hz – 10 kHz

Analog Outputs	Two, Balanced Pair
Processing	24 Bits
Analog Output Z	30 k $\Omega$ , balanced, transformerless
Max Output level	+24 dBu (bridging load), +22 dBu (600 $\Omega$ load)

#### General Specifications common to all three sub modules

Analog Reference Level	-10 dBu to +8 dBu for -20 dBFS output
Frequency Response	+0/-0.1 dB, 20 Hz – 20 kHz
Crosstalk	<-84 dB, 20 Hz – 20 kHz
Dynamic Range	>=95 dB