

## Analog Audio

### DAs and Frame – Models 6601, 6601R and Frame 6600

The 6601 module is a high performance audio distribution amplifier for the broadcast and recording industry. Exceptional performance features include excellent response, noise and distortion specifications.

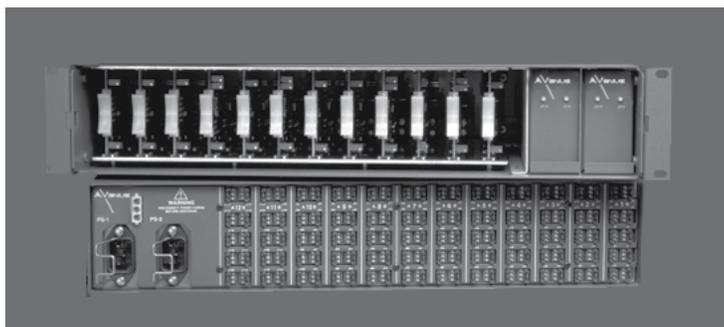
The 6601R module has all the capability of the 6601 plus selectable remote gain control. The amplifier offers a  $\pm 20$  dB remotely controlled audio gain, which is selectable to either remote or local.

Both DA modules can be configured as mono or stereo with 8 balanced outputs (mono) or 4 balanced outputs per channel (stereo). Mode selected with a jumper on the module.

Up to twelve 6601 or 6601R audio amplifiers can be mounted in the 2RU Avenue 6600 frame. The 6600 frame is dedicated to audio distribution and pluggable terminal strips are standard on every frame. There is no need for rear modules or special adapters. Redundant power is an option. Power supplies are accessed from the front of the frame. This is a simple device and it does not tie into the Avenue control system.

#### Features

- High performance analog audio distribution amplifiers
- 8 mono outputs or 4 stereo outputs, jumper selectable
- Remote Gain Control available from rear of each module
- 2RU frame with pluggable terminal strip connectors
- Optional redundant power



## Model 6601

### Input

Impedance	>30 k $\Omega$ , balanced
Maximum level	+30 dBu (66 $\Omega$ ), +24 dBm (600 $\Omega$ )
Common Mode Range	$\pm$ 20 V
Common Mode Rejection (CMRR)	>90 dB @ 60 Hz, >60 dB @ 20 kHz

### Outputs

Channels	1 (mono) or 2 (stereo)
Outputs per channel	8 (mono) or 4 (stereo)
Output impedance	66 $\Omega$ or 600 $\Omega$ balanced
Output isolation	>70 dB, 20 Hz to 20 kHz
Maximum level	+30 dBu (66 $\Omega$ ), +24 dBu (600 $\Omega$ ) by special request

### Performance

Gain Range	-6 dB to +33 dB ( $\pm$ 6 dB on pot, 0, +9, +18, +27 dB on jumpers)
Frequency response	< $\pm$ 0.05 dB, 20 Hz to 20 kHz, relative to 1 kHz, up to +30 dBu (66 $\Omega$ ), +24 dBm (600 $\Omega$ )
Total Harmonic Distortion	<0.001%, 20 Hz to 20 kHz @ +30 dBu (66 $\Omega$ ), +24 dBm (600 $\Omega$ )
S/N ratio	>100 dB @ unity gain 20 Hz to 20 kHz, relative to +8 dBu, unweighted
Intermodulation distortion	<0.02% SMPTE @ +18 dBu (66 $\Omega$ )
Isolation between modules	>100 dB, 20 Hz to 20 kHz
Performance temperature	5 – 40°C
Max operating temperature range	0 – 50°C
Power dissipation	<2 W

## Frame 6600

### Audio DA Mounting Frame Specifications

Number of modules	12 (maximum)
Dimensions	3.5 in x 19 in x 12 in
Nominal weight (with modules)	Approximately 16 lbs
Power Supply	Input voltage 90–260 VAC, automatic selection
Frequency	50/60 Hz
Power dissipation	40 W
DC output	$\pm$ 24 V

## Power Supply 6600R

Redundant Power supply is optional

## Model 6601R

### Input

Impedance	>30 k $\Omega$ , balanced
Maximum level	+30 dBu (66 $\Omega$ ), +24 dBm (600 $\Omega$ )
Common Mode Range	$\pm$ 20 V
Common Mode Rejection (CMRR)	>90 dB @ 60 Hz, >60 dB @ 20 kHz

### Remote Gain

Control	Local/remote, switch selectable Accessed from rear of module
Type	DC control
Range	$\pm$ 20 dB

### Outputs

Channels	1 (mono) or 4 (stereo)
Outputs per channel	8 (mono) or 3 (stereo)
Output impedance	66 $\Omega$ or 600 $\Omega$ balanced
Output isolation	>70 dB, 20 Hz to 20 kHz
Maximum level	+30 dBu (66 $\Omega$ ), +24 dBm (600 $\Omega$ )

### Performance

Gain range	$\pm$ 20 dB
Frequency response	< $\pm$ 0.05 dB, 20 Hz to 20 kHz, relative to 1 kHz, any level up to +30 dBu (66 $\Omega$ ), +24 dBm (600 $\Omega$ )
Total Harmonic Distortion	<0.001%, 20 Hz to 20 kHz @ +30 dBu (66 $\Omega$ ), +24 dBm (600 $\Omega$ )
S/N ratio	>80 dB @ unity gain 20 Hz to 20 kHz, relative to +8 dBu, unweighted
Intermodulation distortion	<0.02% SMPTE @ +18 dBu (66 $\Omega$ )
Isolation between modules	>100 dB, 20 Hz to 20 kHz
Performance temperature	5 – 40°C
Max operating temperature range	0 – 50°C
Power dissipation	2.5 W