VA-16xl

16 Channel Balanced Stereo Audio Amplifier
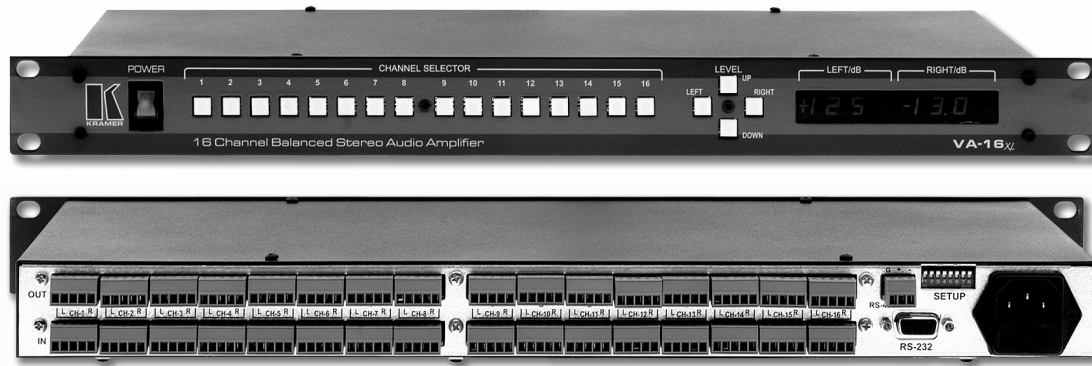

The Kramer **VA-16xl** is a high performance 16 channel Balanced Stereo Audio Amplifier, designed for professional and high-end consumer audio systems. It features a digitally controlled volume function - from -95dB attenuation up to +31dB gain (amplification) - in steps of 0.5dB. The gain setting is implemented during the "zero crossing" of the input signal, thus providing a noise-free transition without audible glitches, even at maximum gain settings. Outstanding audio specifications ensure that the **VA-16xl** remains transparent even in the most critical broadcast applications. The amplifier gain of the Left and Right channels may be controlled together or separately, via front panel pushbuttons, remotely via RS-232, and via an RS-485 interface. Up to 15 machines can be daisy-chained in a single system using RS-485 or RS-232 - allowing control of up to 240 stereo audio channels! The gain of the selected channel is shown on a bright 7-segment LED display on the front panel. The machine is housed in a rugged, professional 1U rack mountable enclosure and ships with Windows® - based software.

TECHNICAL SPECIFICATIONS

INPUTS:	16 balanced stereo audio + 4dBm / 30kΩ on detachable terminal blocks.
OUTPUTS:	16 balanced stereo audio + 4dBm / 50Ω on detachable terminal blocks.
MAX. OUTPUT LEVEL:	> 20dBu balanced (TND + N < 0.01).
BANDWIDTH (-3dB):	20 Hz to 40 kHz.
GAIN:	- 95dB to +31dB.
NOISE FLOOR:	< 90dB (GAIN 0dB).
CONTROL:	Front pushbuttons, RS-232, and RS-485.
THD + NOISE:	0.006%, + 4dBu 1kHz.
INDICATORS:	Gain in dB for left and right channels.
POWER SOURCE:	90 - 240V 13VA.
DIMENSIONS:	19-inch (W), 7-inch (D) 1U (H) rack-mountable.
WEIGHT:	3.5 kg (7.8 lbs.) approx.
ACCESSORIES:	Power cord, Null modem adapter, Windows® - based control software.

TYPICAL APPLICATIONS

■ Large presentation audio level control.
■ Audio broadcast and editing studios.
■ PA remote audio level control.