AS162 Technical Data Sheet

Introduction

Product code: KVV 987 561 (230 V)
KVV 987 562 (115 V)



AS162 - Analog Summing Unit

The AS162 is a premium 16-channel analog summing unit designed to overcome the resolution limitations inherent in complex digital mixing applications. As digital consoles combine a large number of channels internally, overall audio resolution and detail are often compromised. By routing stereo submixes (such as drums, instruments, choirs, and lead vocals) out of the digital desk and summing them in the analog domain, the AS162 increases the definition, instrument separation, and overall transparency of the final mix.

The compact 1U device features stereo 16 balanced inputs utilizing two standard DB25 connectors (TASCAM pinout), and two pairs of A/B balanced stereo outputs equipped with high quality transformer-isolated XLR connections to ensure maximum signal purity and prevent ground loops. The front panel is equipped with a Power ON indicator and dual left/right LED meters scaling from -30 dB to +9 dB for accurate level monitoring.

To achieve the ultimate sonic character, the AS162 can be paired seamlessly with the Compex for harmonic enhancement or QD8 modules as a selectable master EQ. Great emphasis was placed on maintaining the highest possible sound quality, making it the ultimate choice for engineers seeking uncompromised dynamic range in live sound reproduction.

Features

- 16-channel stereo analog summing unit in a compact 1U rack format
- Designed to combine multiple stereo submixes from digital consoles in the analog domain
- Balanced inputs via standard DB25 connectors (TASCAM pinout)
- Two pairs of transformer-isolated outputs (A/B) via balanced XLR connectors
- Dual left/right LED output level meters (scaling from -30 dB to +9 dB)
- Premium analog circuitry designed to maximize audio resolution and overcome digital mixing limitations
- Seamless integration with KV2 COMPEX for harmonic enhancement and KV2 QD8 modules as a selectable master EQ

Application

Designed to enhance audio resolution and transparency by summing multiple channels in the analog domain, improving clarity and depth in complex mixes

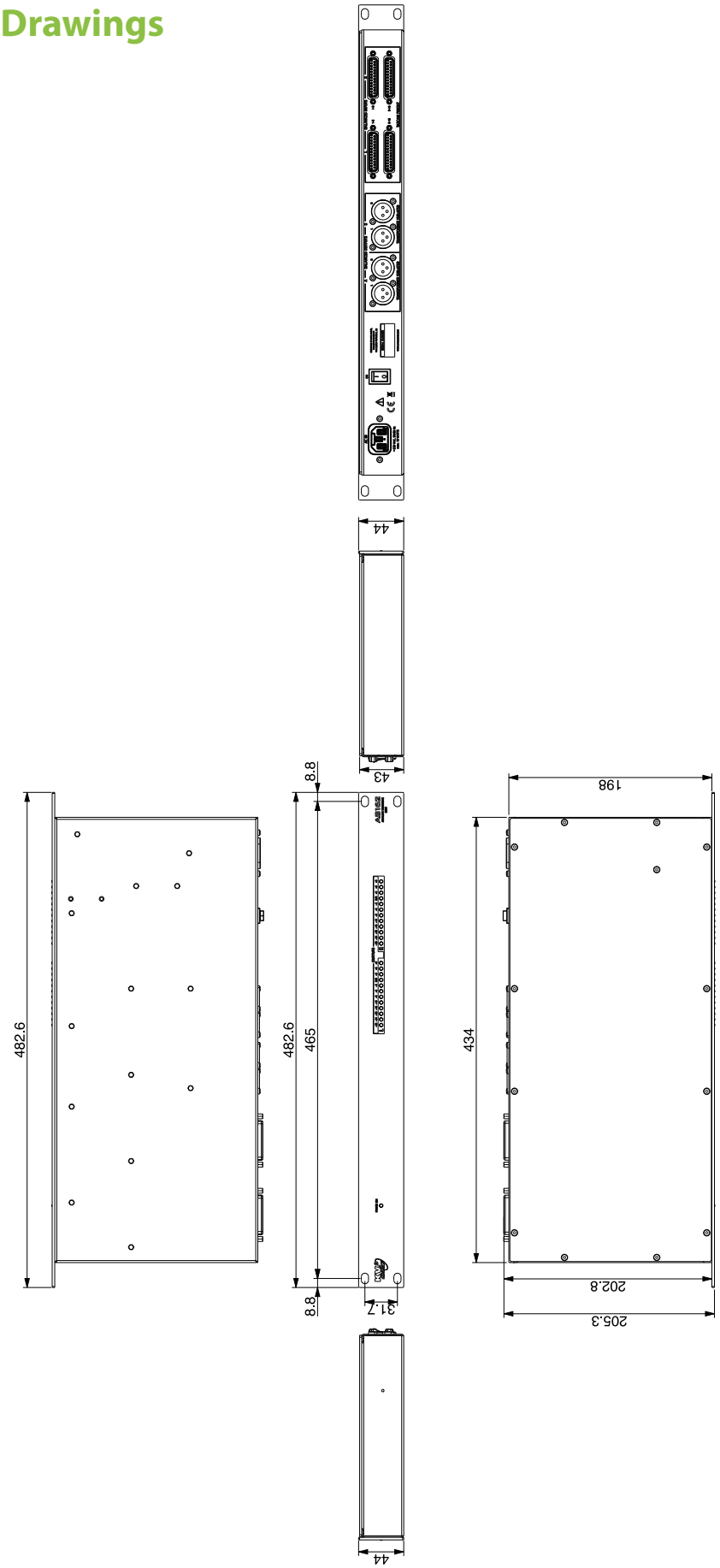
- Live music mixing and touring applications
- Studio recording and hybrid analog/digital workflows
- Broadcast and production environments
- Fixed installations requiring high channel-count summing
- Can be integrated with any professional audio system for improved sonic performance

System Acoustic Perfomance	
-1 dB Response	20 Hz to 100 kHz
Dynamic Range	>140 dB
Channel Crosstalk	>120 dB
Total Harmonic Distortion	<0.001%
Output Channels	
Max. Output Voltage	20 dBu
Max. Output Current	120 mA
Signal Input	
Input Channels	2× 16 (DB25)
Input Impedance	4.4 kΩ (balanced)
Line input	4× DB-25 Tascam pinout
Signal Output	
Signal Output Channels	2× 2 XLR
Output Impedance	50 Ω transformer balanced

Features	
Indicators	LED, 12 segment VU meter
Power Requirements	
Power Connector	IEC 320
Operating Voltage	115 V / 230 V
Operating Voltage Range	90 to 130 V @ 60 Hz | 180 to 260 V @ 50 Hz
Physical Dimensions	
Height	43.8 mm (1.72")
Width	482.6 mm (19.0")
Depth	248 mm (9.76")
Weight	3 kg (6.6 lb)

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Dimensional Drawings



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