

COMPEX Technical Data Sheet

Introduction

The Complex is a Stereo Analog Dynamic Control unit designed to optimise performance of poor quality recordings for playback at high volume levels. It features an optical audio compressor and very high quality harmonics expander and true remote bypass feature.

Features

- 1U 19" rack Analog Dynamic processor
- High quality opto-compressor with level dependent filter
- Compressor reduction bargraph level meter
- High quality harmonics expander
- Harmonics bargraph level meters
- Output bargraph level meters
- True remote bypass feature
- XLR balanced inputs and outputs with Line Drivers



Application

Designed as a tool to optimise recordings for playback at high volume levels

- Fixed Installations
- Disco clubs
- Use with any KV2 Audio system

System Acoustic Performance

-3dB Response	20Hz to 100kHz
Dynamic Range	>130dB
Channel Crosstalk	90dB
Signal to Noise Ratio	110dB
Total Harmonic Distortion	0,001%

Signal Input

Input Channels	2
Input Impedance	20k Ω (balanced)
Line input	XLR

Signal Output

Output Channels	2
Output Impedance	50 Ω
Line Output	XLR

Features

Level Control	-10 / +10dB
System setup	Bypass (remote controlled)
Harmonics	Drive, 0 to 10
Equalization	Level dependent
Indicators	2x 2 Level LED bar graphs

Compressor

Threshold	∞ to -20dB
Ratio	1:3
Indicators	1x LED bar graphs

Harmonics

Range	0 to 10
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Power

Power Connector	IEC 320
Operating Voltage	115V / 230V
Operating Voltage Range	90 to 130V@60Hz 180 to 260V@50Hz

Physical Dimensions

Height	44 mm (1.7")
Width	482.6 mm (19.0")
Depth	198 mm (7.8")
Weight	2.7 kg (5.96lbs)

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Architectural Specifications

The unit shall provide two channels of individual application specific electronically Balanced Output Channels for Dynamics control using SLA Technology - (Super Live Audio).

The Controller shall have Front Rotary panel controls to include Threshold, Drive, Harmonics Mix and Output.

Single panel switch for Bypass mode.

LED bar graph indicators for Reduction dB, L/R Harmonics L/R Level dB.

The Rear panel shall incorporate Left and Right Balanced XLR input connectors, as well as Balanced Left/Right XLR Output connectors.

A single Quarter inch Jack connector for remote footswitch Bypass control. e Rear panel on off switch.

The Controller shall have an input Impedance of 20Kohm Balanced.

The output Impedance shall be 50ohm.

An IEC 320 Power connector shall be used for Mains power connection and shall have an operating Voltage range of 90 to 130V @60Hz, 180 to 260V @50Hz.

The System Acoustic Performance shall be 20Hz - 100 KHz -3dB.

The system Total Harmonic distortion shall be no more than <0.001%.

The Controller shall have dimensions of:

Height 44 mm / 1.7"

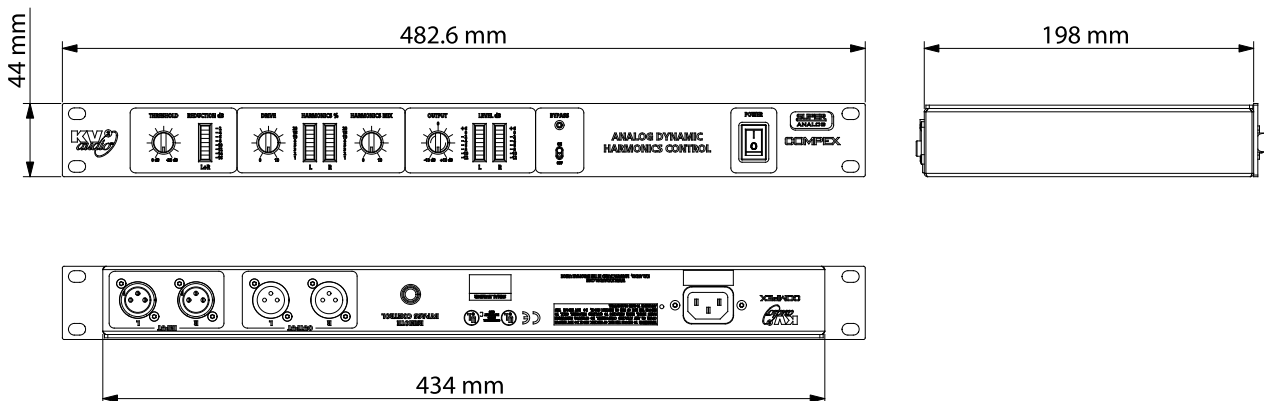
Width 482.6 mm / 19.0"

Depth 198 mm / 7.8"

The weight shall not exceed 2.7 kg /5.96lbs.

The Controller shall be the KV2 Audio Compex.

Dimensional Drawings



The future of sound. Made perfectly clear.



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