

## 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	20kΩ (balanced)
Line input	XLR
Signal Output	
Output Channels	2
Output Impedance	50Ω
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
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)

## 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"

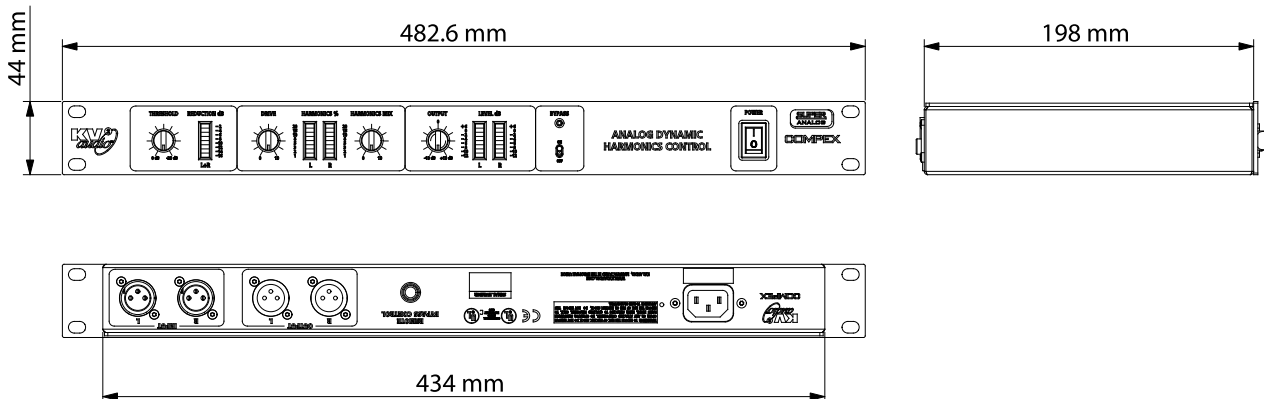
Width 482.6 mm / 19.0"

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.



KV2 Audio International, Nádražní 936, Milevsko 399 01, Czech Republic  
 Tel.: +420 383 809 320  
 Email: info@kv2audio.com | Web: www.kv2audio.com