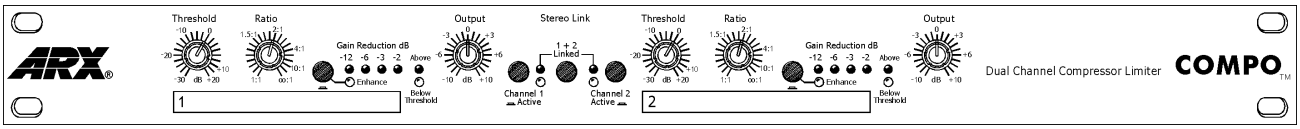
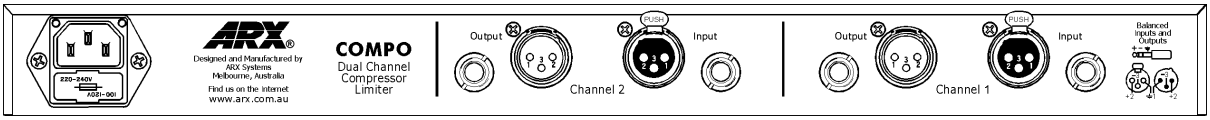
COMPO™

ENHANCED COMPRESSOR/LIMITER





Innovation

The **ARX COMPO**™ is a unique compressor/limiter designed for use in any professional audio dynamics control application, in a compact 1 RU chassis.

The COMPO operates as two independent compressor/limiters, with 'industry standard' variable Threshold, Ratio and Output gain controls. A Stereo Link switch on the front panel lets both channels track as a stereo pair in a Master/Slave configuration.

Enhance Switch

The COMPO features a unique 'Enhance' switch, which provides frequency restoration to preserve the spectral balance of the audio signal, compensating for the sagging Low and High frequency response of compressed program material.
The best way to think of it is as a 'smart' loudness control.

Comprehensive metering

There is comprehensive LED indication of all operating functions and status. 'Above or Below Threshold' LEDs on each channel give you instant visual confirmation of compressor activity, as well as easy to read LED Gain Reduction meters.

Balanced Inputs and Outputs

On the rear panel, each channel has true differential Balanced inputs and outputs, on both XLR and TRS jack connectors. Other features include a Bypass switch for each channel to compare compressed and uncompressd program, and passive RFI filters on the inputs.

Universal AC Power

AC power range is a universal 100 to 120V or 220 to 240V AC, and is connected to the unit via a removable power lead and standard 3 pin IEC connector, with built-in fuse and voltage change switch.

ARX Quality

With its smooth compression, intuitive user friendly layout, high density precision circuitry, and extensive user-variable operating parameters, the ARX COMPO is the ideal installation 'set and forget' compressor, and is also equally at home in Studio, Broadcast and Sound Reinforcement environments.

Every day, ARX Audio interface products solve audio problems for thousands of people around the world. We're obsessed with audio quality because we're betting that you are, too.

Features

- **Enhance switch to restore spectral balance of compressed signal**
- **Switchable Mode - Dual Channel or Stereo linked**
- **Above or Below Threshold status LEDs**
- **Balanced XLR and Jack Inputs and Outputs**
- **Intuitive, user friendly layout**
- **Flawless performance in any audio application**
- **Security cover available**

Specifications

Input Impedance
Balanced 20 Kohms
Unbalanced 10 Kohms

Input Headroom + 22 dB

CMRR >60 dB, 20 Hz-20 KHz

Output Impedance
Balanced 300 ohms
Unbalanced 150 ohms

Output Level (Max) + 22 dB

Frequency Response
20Hz to 20KHz ±0.4dB

Signal to Noise ratio
-85 dB Unweighted
-99 dB 'A' weighted

Distortion
.02% THD @ 0dB,1KHz

Dynamic Range 107 dB

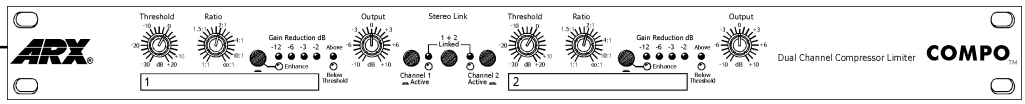
Enhance Section
Low Enhance 50 Hz
High Enhance 10 KHz

Power Requirements
100/120 V AC, 220/240 V AC

Weight 5 lbs/2.2 Kg

Dimensions
19"W x 1¾"H x 6"D
482 x 44 x 155mm

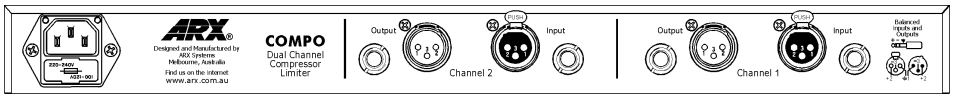
Input/OutputConnector type
XLR, Balanced Jack



Front Panel

- Channel A Hardwire bypass IN/OUT switch
- Threshold, Ratio and Output Gain controls
- Numbered marker panel for labelling compressor assigns
- Multi segment LED Gain Reduction display
- Above/Below Threshold status LEDs
- Enhance switch and status LED
- Stereo link switch and status LED

Channel B controls identical to Channel A



Rear Panel

- Balanced TRS Input socket. Tip + (HOT), Ring – (COLD), Sleeve GROUND
- Balanced XLR Input socket. Pin 2 + (HOT), Pin 3 – (COLD), Pin 1 GROUND
- Balanced XLR type Output socket (same wiring as Input)
- Balanced TRS Output socket (same wiring as Input)
- IEC 3 pin AC connector and integral fuseholder. Replace fuse with correct value only: 100 - 120 V AC 1 amp, 220-240 V AC 0.5 amp. Please also refer to voltage details on Page 2

Architectural Specifications

The enhanced compressor/limiter shall be a dual channel unit in a steel chassis six inches deep and one rack unit high. There shall be a front panel switch to link the channels to track as a stereo pair.

Each channel shall have a pair of LEDS for indicating Above or Below Threshold, and a 4 segment LED Gain Reduction display, plus variable controls for Threshold, Ratio and Output Gain. Attack and Release times shall be program dependent. Each channel shall also have a Bypass switch on the front panel, and a switch to control the Enhance circuit. This circuit shall provide Low frequency enhancement at 50 Hz, and High frequency enhancement at 10 KHz.

The unit shall have electronically Balanced inputs and outputs, on both TRS jack and XLR type connectors, with passive RFI filters and an Input impedance of 20 Kohms (10 Kohms unbalanced).

The Input headroom shall be + 22dB, with a CMRR of better than 45dB, and the frequency response shall be 20 Hz to 20 KHz, ± 0.5dB.

The Output impedance shall be 300 ohms (150 unbalanced), and the maximum Output level shall be + 20dB, with a Signal to Noise ratio of -93dB 'A' weighted (–88dB unweighted). T.H.D shall be 0.03% @ 0dB, 1 KHz, and the unit shall have a dynamic range of 108dB.

AC Power shall be supplied via a removable mains cable, connecting to an IEC connector with an integral fuse and voltage change switch on the unit's rear panel.

The compressor/limiter shall be the ARX COMPO.

Specifications available on CD ROM.
Latest updates available at:
www.arx.com.au

www.arx.com.au ®

Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.

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ARX Systems Pty Ltd; PO Box 15, Moorabbin, Victoria 3189, Australia
Phone: 03 9555 7859 Fax: 03 9555 6747 International Fax +61 3 9555 6747
Email: info@arx.com.au Internet: www.arx.com.au