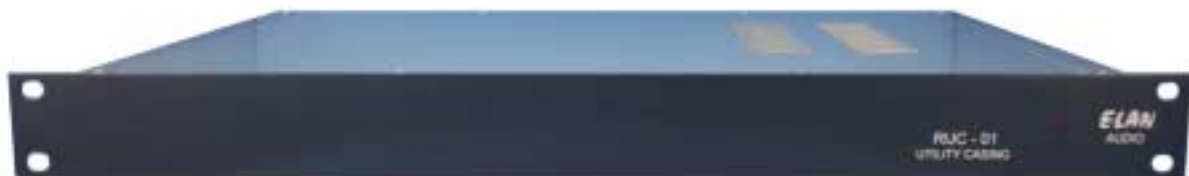

ELAN AUDIO

RUC-01
Rackmount Universal Casing
Product Description



RUC01D01

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RUC-01

Rackmounting Universal Casing.

The RUC-01 is a simple and practical 1RU High Rackmounting Casing with a built in DC Power Supply, designed to accommodate and power up to 4 Universal Modules.

The power supply is based on a 30VA Toroidal Transformer providing + and – 15V DC Unregulated , and + 12V DC Regulated Power to the Universal Modules.

A “Daisy-Chain” cable fitted with IDC Connectors to supply DC Power and Ground to the Universal Modules is provided with the RUC-01.

The Casing is constructed to be strong enough to act as a support shelf for items of moderate weight such as Hi-Fi Radio Tuners, Domestic CD Players etc.

The RUC-01 was primarily designed to accommodate Balancing and Unbalancing Amplifier Modules to provide a practical and economical solution whenever it becomes necessary to interface standard Balanced Line Broadcast Systems with Unbalanced Hi-Fi Equipment or PC Sound Cards.

Possible interfacing applications include Hi-Fi Radio Tuners, Domestic CD Players, Cassette Decks, Domestic grade Satellite Receivers and Personal Computer Sound Cards.

In addition Elan Audio manufacture Headphone Amplifier Modules , RIAA Compensated Pick-Up Pre Amplifier Modules and Microphone to Line Level Pre-Amplifier Modules.

Currently five types of Universal Modules are available to fit into the RUC-01.

These are Unbalanced to Balanced Stereo, Balanced to Unbalanced Stereo, VCA controlled Stereo Headphone Amplifier, RIAA Compensated Stereo Pick-Up Pre Amplifier and Mono Microphone to Line Level with VCA Control.

Other Universal Modules will become available in the future as demand dictates.

UUB-01 Stereo, Unbalanced to Balanced Line Module.

Designed to convert Unbalanced Line Stereo at Hi-Fi Levels to Balanced Line at normal Broadcast Line Levels (Internally adjustable gain).

Inputs are via RCA Connectors, Outputs are via a 9 pin “D” Male Connector.

UBU-01 Stereo, Balanced to Unbalanced Line Module.

Designed to convert Balanced Line Stereo at normal Broadcast Level to Unbalanced Line at Hi-Fi Levels (Internally adjustable gain).

Inputs are via a 9 pin “D” Female Connector, Outputs are via RCA Connectors.

UHA-01 Stereo Headphone Amplifier Module with VCA.

Designed to provide remote level control for individual Headphones.

Bridging Balanced Line in, Unbalanced Low Impedance out to suit normal Hi-Fi Headphones.

External Volume control via 10 K Linear Potentiometer or by internal Multiturn Trim-Pot.
(10 K Linear Potentiometer is not supplied with the UHA-01)

Suitable for feeding Guest Headphones in a Radio Broadcast Studio or Performers Headphones in a Recording Studio and as a remotely controlled VCA for use in Sound Systems.

Several UHA-01 Modules can be linked internally via a “Daisy Chain Cable” to feed from the same source.

Inputs and Outputs are via one 9 pin "D" Female Connector.

UML-01 Mono Microphone to Line Level Pre Amplifier with VCA Control.

Use as.

Microphone to Line Level Pre Amplifier.
Microphone Sub-Mixer.
VCA Controlled Line Amplifier.

Practical Microphone to Line Amplifier Module. Transformerless Balanced Input. Links to accept Line Level Input. Provision for 15V Phantom Powering to Microphone. Front-End Gain adjustable in 10 dB steps. Link Switchable LF Cut Filter. Internal Gain Trim-Pot. VCA Gain Control via Internal Multiturn Trim-Pot or external 10K Linear Potentiometer (10K Pot not supplied with the UML-01). External Mute control. Provision for Mixing signal from several UML-01 Modules. Differential Balanced Output. Requires + and – 15V DC for operation.

Input and Output via one 9 pin "D" Female Connector.

UPP-01 Stereo RIAA Compensated Pick Up Pre Amplifier

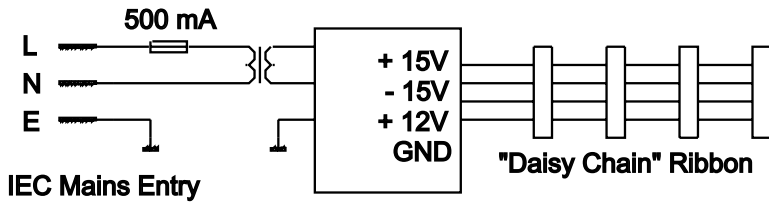
Professional High Quality RIAA Compensated Stereo Pick Up Pre Amplifier for use with conventional Moving Magnet Cartridges.

Link Adjustable Resistive and Capacitive input loading to provide best match for the Pick-Up Cartridge. Passive RC type RIAA Equalisation for minimum "TID". Built in High-Pass Filter to remove undesirable Low Frequency effects. Internal Gain Trim-Pots. Mono Link. Differential Balanced Line Level Outputs.

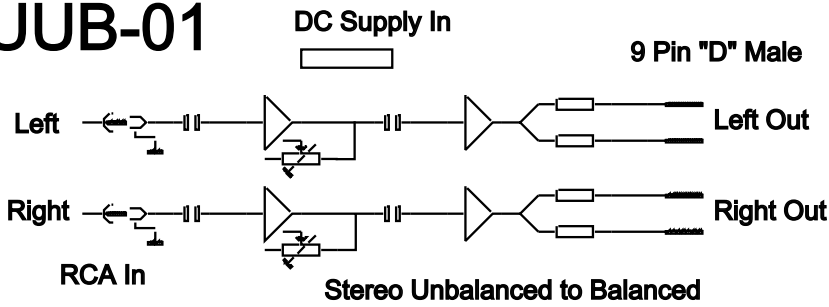
Inputs are via RCA Connectors, Outputs are via a 9 pin "D" Male Connector.

Precision Trimmed, Ultra Low Noise "Audiophile" version is available to order at a higher cost.

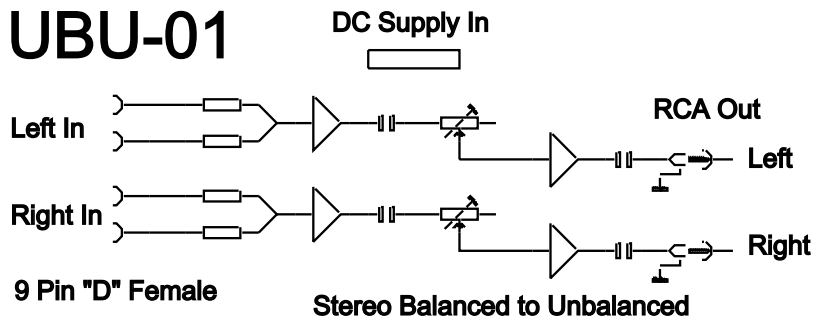
RUC-01 Power Supply Section



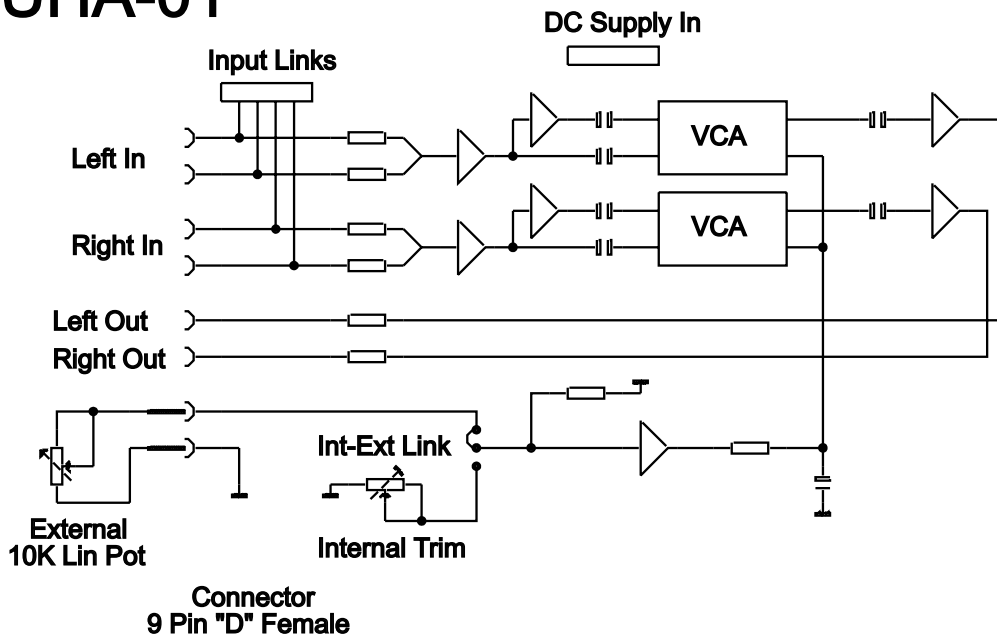
UUB-01



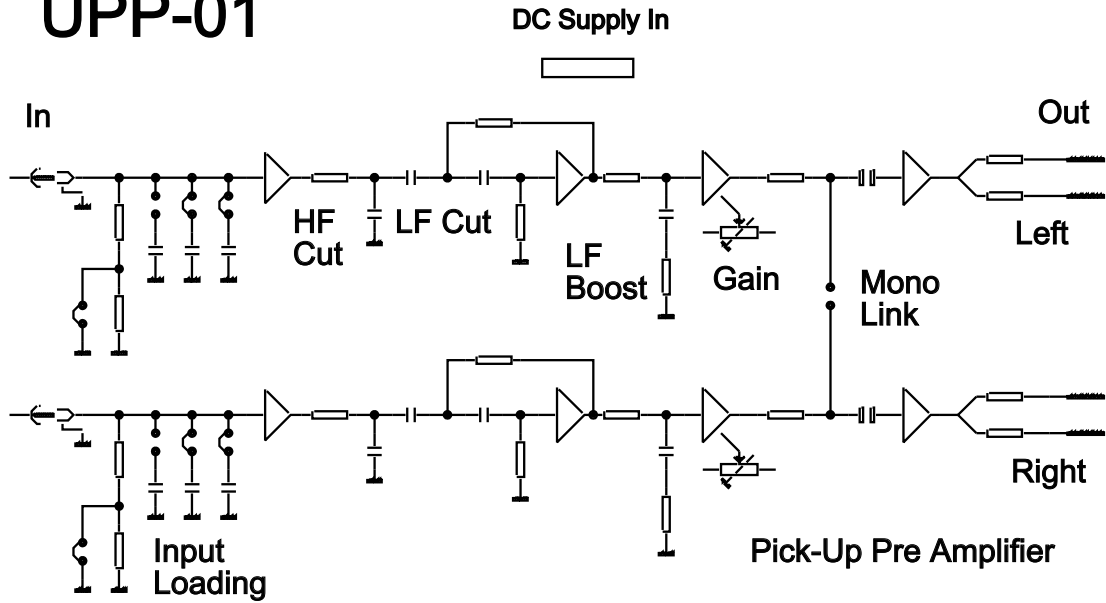
UBU-01



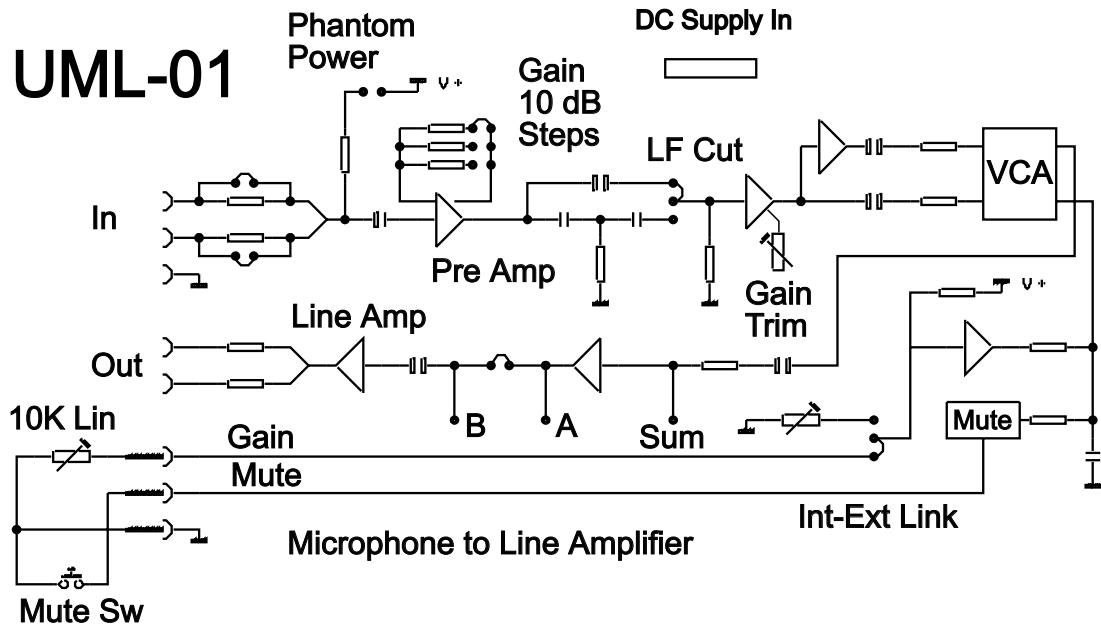
UHA-01



UPP-01



UML-01



Example showing a 4 input Microphone Mixer with 4 Line Outputs

Note the Sum Amp is removed from units 2-3 and 4

Multiple Outputs Optional

