



Q-tron Audio

Q-tron Audio PRE14B Pre-amplifier user manual

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Fig 1 Front view



Fig 2 Rear view





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Introduction

PRE14B is a pre-amplifier with low output impedance and very high transparency, 4 selectable inputs and a relay switched volume control built with discrete resistors

Content of delivery

1. Amplifier PRE14B
2. Remote control

Unpacking

Put the box on a table or other steady surface. Open the box and put the amplifier on a steady surface with the front panel facing towards you.

Setup

Connect the amplifier to the mains voltage with a standard IEC 320 mains cable.
Connect signal sources to the connector inputs.
Connect a power amplifier to the connectors marked output.

Function

The amplifier is equipped with RCA phono and XLR connectors for input and output signals. The active circuits in the amplifier is powered by an advanced power supply with controlled start up sequences in order to prolong life of tubes and avoid any voltage transients on the output.

Start up procedure

Check that the front push button switch is not pushed in. Switch on the mains switch on the back panel to position 1. Push in the front panel push button, after about 90 seconds the area around the front panel push button will be lit green and the amplifier is ready for operation.

Controls and connectors

Front panel

On switch with integrated on indicator, this is a switch button which when pushed in will start the switch on sequence of the amplifier. The area around the switch button will light up with green color after approximately 90 seconds.

Combined volume control and channel selector knob. Volume level is controlled by turning the knob and channel is changed by pushing the knob slightly inwards.



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Indicator display. This display indicates volume level from 0 to 64 where 0 is lowest volume and 64 is max volume. When channel is changed either by pushing the control knob or by the remote control the channel is shown momentarily by C1 to C4

Back panel

Input connectors left and right

Connectors marked 1 and 2 These connectors accept standard XLR male plugs

Connectors marked 3 and 4 These connectors accept standard RCA phono plugs

Output connectors left and right

Connectors marked 1 These connectors accept standard RCA phono plugs

Connectors marked 2 These connectors accept standard XLR female plugs

Mains power inlet with integrated fuse holder and mains switch.

The power inlet accepts a standard power cord with IEC320 plug. The 2 mains fuses can be accessed if the power cord is removed and the fuse cover/holder is removed, replace the fuses only with fuses of same rating, (for 230VAC mains power fuse rating is 2A slow blow and for 120VAC mains power fuse rating is 4A slow blow). The mains switch power up the amplifier if it is set to position 1, in position 0 the amplifier is disconnected from mains power.

Remote control

The remote control can be used to adjust volume or to change channel, there is also a muting function where the volume can be toggled between actual setting and 0 and back again.

To increase/decrease volume push on the upper or lower part of the large black circle.

To change channel push the right or left part of the large black circle. For muting push the center button in the large black circle.

Performance data:





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Gain	14dB, (5 times)
Channel balance at any volume setting	+/- 0.05dB
Input impedance	40kohm
Output impedance	300 ohm
Harmonic distortion, (THD)	<0.001% at 1kHz at 1V out, balanced mode
Frequency response	5 - 100kHz - 1dB
Noise and hum	100 dBA below 1 V out
Volume control	64 1dB steps
Mains voltage	230V \pm 10%
Power consumption	100W max
Dimensions	430 x 370 x 110 mm, (W x D x H)
Input connectors	Gold plated RCA phono, 2 inputs Gold plated XLR, 2 inputs
Output connectors	Gold plated RCA phono, 1 output Gold plated XLR, 1 output
Mains connector	IEC320 socket with integrated Power switch
Remote Control function	Volume level, input channel selection
Tubes	2 ECC82, 4 6N6P-I
Weight	13kg

Contact information

Manufacturer

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