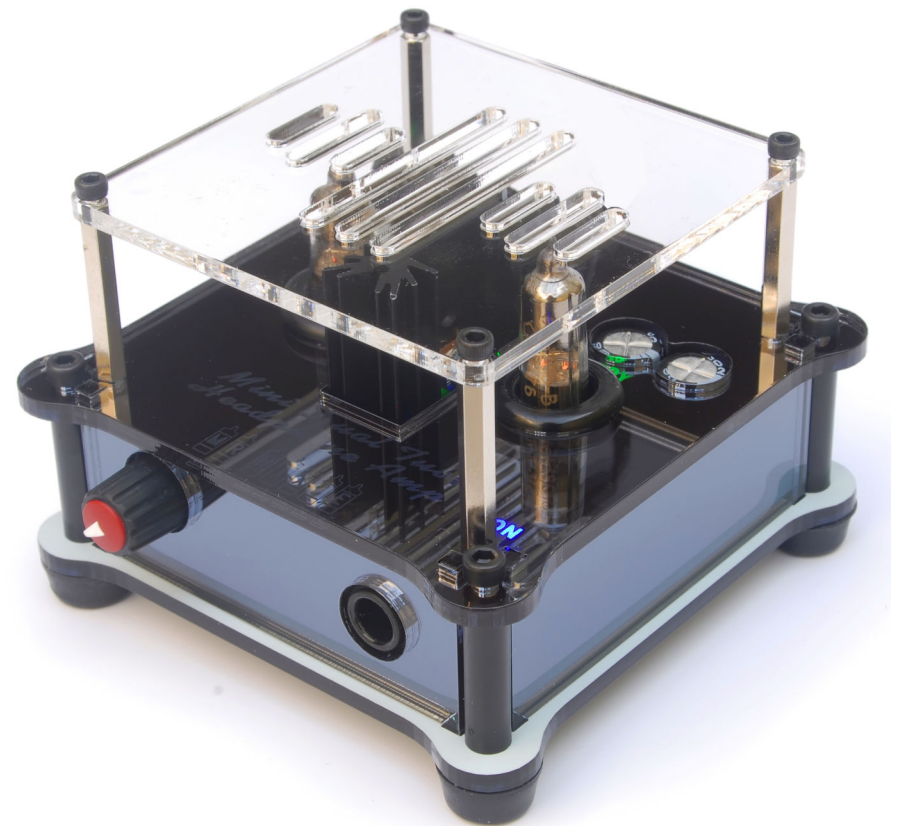

Dual Tube Headphones Amplifier

User Manual



November 2011

Safety Precautions

Do not power on the amplifier when tubes are damaged or missing.

Use the power supply that came with the amplifier, or use a power supply that's compliant with the technical specifications of the amplifier.

Do not expose the amplifier to rain or moisture. Do not put the amplifier in sunlight for a long time. Do not expose the amplifier to high temperatures. Do not cover the amplifier.


Always clean the amplifier with a dry or very slightly damp cloth. Do not use any detergents. Be careful while touching the tubes, esp. the nozzle at the top. Power off the amplifier before cleaning. The amplifier must be completely dry when it's powered on.

Do not subject the amplifier to mechanical shocks. Avoid any mechanical shocks to the tubes and to the top of the tubes in particular.

The tubes and central heatsink heat up. Avoid touching these parts when the amplifier is powered on.

Exposure to loud noise can cause both temporary and permanent hearing loss. Be careful when adjusting the volume of the amplifier.

Technical Information

Power supply	12 VDC stabilized, 1.5 A
Power consumption	ca. 9 W
Dimensions	85 mm x 85 mm x 65 mm (W x D x H)
Weight	190 g
Tubes	2x 6N28B-V miniature dual triode
DC-connector	5.5/2.1 mm 
Line input	2x RCA jack, ca. 30 k Ω input impedance
Headphones output	6.3 mm (1/4 in) stereo jack
Amplifier class	Class A
Gain	ca. 14 dB
Frequency response	15 Hz ... >100 kHz + 1 dB
Max. input level	ca. 770 mV (0 dB) when volume is set to maximum
Max. output level	3.04 V = 288 mW @ 32 Ω 3.43 V = 78 mW @ 150 Ω 3.40 V = 19 mW @ 600 Ω

Installation

Connect the DC plug of the power supply to the DC connector on the back of the amplifier. Plug the power supply into a power socket.

Connect the line outputs of your audio source to the RCA jacks on the back of the amplifier. Note that the white RCA jack is the left input, the red RCA jack is the right input.

Plug your headphones in the stereo jack on the front of the amplifier.

Usage

To power on the amplifier, push the ON/OFF button. The blue "ON" indicator lights up. Wait until the green "RDY" indicators light up. The amplifier is now fully operational.

Use the knob on the front to adjust the output volume: turn the knob clockwise \curvearrowright to increase the volume, turn the knob counterclockwise \curvearrowleft to decrease the volume.

To power off the amplifier, push the ON/OFF button.

When you power on the amplifier, set the volume to the minimal setting and wait until the amplifier is fully operational before putting on your headphones. By doing so you avoid potential exposure to loud noise.

Contact Information

Official website: <http://www.axiris.be/>

