

SUGDEN AUDIO

Masterclass HA-4 Headphone Amplifier

INSTRUCTION MANUAL

MAY 2015

Designed and manufactured in England by

J E Sugden & Co Ltd
Valley Works
Station Lane
HECKMONDWIKE
West Yorkshire
WF16 0NF
ENGLAND

BEFORE USE

This section must be read before connecting to the mains supply

MAINS CONNECTION INFORMATION

Your SUGDEN amplifier has been designed to comply with the domestic power and safety requirements that exist in your area. This amplifier can be powered by **AC ONLY**.

CHOOSE A SAFE AND SUITABLE LOCATION

Your amplifier is a class A design and therefore requires good ventilation

DO NOT: Expose to direct Sunlight

DO NOT: Position next to a heat source such as a radiator

DO NOT: Use in places with high humidity or poor ventilation

DO NOT: Subject to mechanical vibration

DO NOT: Place on an unstable or inclined surface

DO NOT: Stand other equipment on top of the amplifier

Never block the ventilation holes or stand directly on a carpet

ACCESSORIES SUPPLIED

Guarantee Card

Instruction book

IEC mains lead



The HA-4 is in conformity with the EMC directive and low-voltage directive.

UNPACKING

Your amplifier should reach you in a substantial protective carton. On unpacking please examine the unit for signs of prior use or damage. Check that all the front panel controls function mechanically. The following items should also be in the carton:-

(1) AC power lead with pre-molded IEC straight connector and plug.

(2) Owners registration card which should be completed and the bottom section removed and returned to us or completed online at www.sugdenaudio.com/warranty-registration.

RECYCLING

This products packaging materials are recyclable and can be reused. The product and the accessories packed together are the applicable product to the WEEE directive except batteries. Please dispose of any material in accordance with your local recycling regulations. When discarding the unit, comply with your local rules and regulations. Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulation concerning chemical waste.

INSTALLATION

The HA-4 Headphone amplifier is suitable for freestanding on a shelf or in a cabinet. Do not stand the unit in direct sunlight, near a radiator or anywhere humid. Do not block the top plate air vents.

ACCESSORIES SUPPLIED IN THE CARTON

- IEC straight connector with moulded mains plug. This should be suitable for your country. To check that the pre-amplifier is the correct voltage, examine the carton, the assembly ticket attached to rear of the unit and the legend on the back of the unit.
- Guarantee card

CONNECTING YOUR HA-4 TO A MAINS POWER SUPPLY

Use the IEC power chord supplied, as this has been properly tested and EC approved to be used with your amplifier. The mains input socket is located at the rear of the unit and is clearly marked 'mains power inlet & fuse'. Next to the mains socket is the power on/off switch.

CONNECTING AN INPUT TO THE HA-4

There are two pairs of input sockets on the back of the HA-4 and these are suitable for RCA single-ended or XLR balanced inputs. These sockets are colour coded and labelled; Right (red) and Left (black) for identical connection to the input source.

CONNECTING HEADPHONES TO THE HA-4.

The HA-4 has a 6.3mm (1/4") Jack socket located on the front fascia. Once headphones are connected to the Jack Socket the pre-amp out facility is switched off.

PRE-AMPLIFIER OUTPUT

The HA-4 has the facility to output a variable line output.

INPUT SELECTOR

On the far left of the front panel is a push button switch to select either single-ended or balanced input. When the balanced input is selected a blue led will illuminate. When the blue led is not illuminated the input is switched to single-ended (RCA)

VOLUME CONTROL

The volume control is positioned in the centre of the front panel. At fully anti-clockwise or six o'clock the volume control is at minimum. The HA-4 uses a special volume control circuit combined with a high quality potentiometer. It has been designed to allow maximum flexibility and careful adjustment for near field listening. This allows greater control through a wider range of volume settings.

REPLACING FUSE

There is one fuse in the HA-4 contained in the mains inlet socket. This is to protect the unit in case of a failure. If a fuse does require replacing, this is usually an indication that a fault exists. However, it is not always an indication that the pre-amplifier is at fault so it is important to determine the cause before replacing and fuses. Please consult your dealer for advice.

- Always replace fuses with the same type and rating
- Fuse type Slow Blow.

CLEANING YOUR HA-4

The case construction of your HA-4 is made from durable traditional materials carefully chosen for their none intrusive electrical properties. We do not recommend using a solvent to clean the case just a lightly damp cloth.

MASTERCLASS HA-4 Headphone Amplifier Back Panel and Controls



MASTERCLASS HA-4 Headphone Amplifier Front Panel Controls



MASTERCLASS HA-4 - Specification

Facilities	
Inputs	One line level input, one balanced input
Outputs	Stereo ¼" jack socket, one line level output
Volume Control	Manual operation
Specification	
Input Impedance	20k Ohms
Gain	16dB
Channel Separation	>90dB
Frequency Response	>0.3dB 20Hz-30kHz
Signal to Noise	>95dB
Output Impedance	1 Ohm
Gross Weight (packed)	6kgs
Dimensions	80 x 250 x 310mm (hwd)

The manufacturer reserves the right to alter specification without notice.