

mini 3mp



OWNERS MANUAL
Issue 2

WARNING!
AVOID USING THIS PRODUCT AT HIGH VOLUME LEVEL
SETTINGS FOR EXTENDED PERIODS OF TIME!

The amplifier section of the MICRO AMP is capable of delivering very high volume levels to the connected headphones which, if sustained over long periods, could cause damage to your hearing. Also, the drivers in the connected headphones may be damaged if high output levels are maintained.

Always use the lowest, most comfortable volume level setting to suit the particular environment. We cannot be responsible for the improper use of this product!

IMPORTANT NOTICE - PLEASE READ

Always ensure the battery compartment screw is fully tightened. Noise or hum may occur if this screw is loosened.

Explanation: The metal case of the MICRO AMP acts as shielding for the very high gain amplifier section within the product and effectively stops any induced hum or noise pick-up. The top panel is connected to the base panel by the main fixing screw which acts as the grounding connection between the two panel sections.

INTRODUCTION

Thank you for buying the RED Sound MICRO AMP headphone amplifier.

The fully portable MICRO AMP is the ideal solution for poor headphone monitoring performance so common in today's mixing desks and audio equipment. This pocket - sized, high quality audio amplifier with built-in 2 band EQ will make all the difference when it comes to successful monitoring in the club, studio or home environment.

With straight-forward connections and simple setup, a compact case and three mounting options, the MICRO BPM will integrate perfectly into any setup.

Please read the following sections of this manual carefully to fully understand the operation of your new RED Sound MICRO AMP.

FRONT PANEL/CONNECTORS

FRONT PANEL CONTROLS AND CONNECTORS

Here's a quick guide to the controls and connectors on the MICRO AMP.

1 AUDIO INPUT - Connector

Use a suitable input cable [3.5mm jack] to connect this socket to the headphone monitor output on your mixing desk/audio equipment.

2 POWER IN - Connector

Connect the output plug of the optional 17vDC transformer to this socket.

3 EQUALIZATION - Rotary controls

The centre-click, High (6.5kHz) and Low (100Hz) EQ controls can be used to cut or boost the audio frequencies whenever adjustment is required.

4 LEVEL - Rotary control

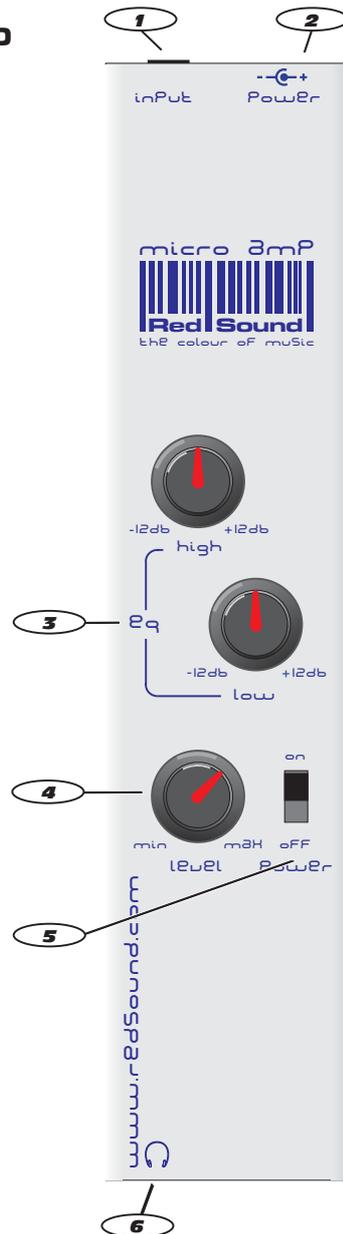
This knob controls the output level to the connected headphones.

5 ON/OFF - Switch

Use this switch to turn the MICRO AMP's power on and off (always ensure the power is switched off when the MICRO AMP is not in use to preserve battery life).

6 HEADPHONE OUT - Connector

Connect the plug from your headphones to this 6.3mm gold-plated output socket.



BATTERY INSERTION

FITTING/REPLACING THE 9V BATTERIES

To fit or replace the batteries (not included) first ensure the on/off switch is set to 'off' and then remove the three front panel control knobs by pulling them vertically away from the unit (keep them in a safe place for re-fitting).

Next, release the main rear panel case screw by turning in the direction indicated, as detailed in diagram 2. Carefully lift away the top cover and note the layout of the circuit board / battery locations as detailed in diagram 1.

If replacing, remove the old batteries from their respective compartments and disconnect the snap terminals taking care not to damage any PCB components.

Connect new batteries to the snap terminals observing the correct polarity and fit them into respective battery compartments observing the correct orientation as shown in diagram 1 (Always use new, high power Alkaline batteries to ensure the best performance from your MICRO AMP).

Carefully re-fit the top cover ensuring the battery leads are clear of the case and not trapped by any internal components. Turn the rear panel screw in a clock-wise direction until fully tightened (**this ensures a good earth contact between the two case halves which eliminates any hum or noise pick-up**)

Re-fit three control knobs by pushing firmly into place on potentiometer shafts. The MICRO AMP is now ready for use.

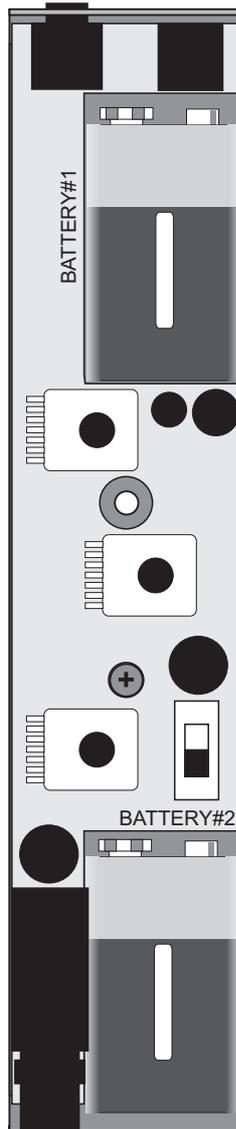


Diagram 1

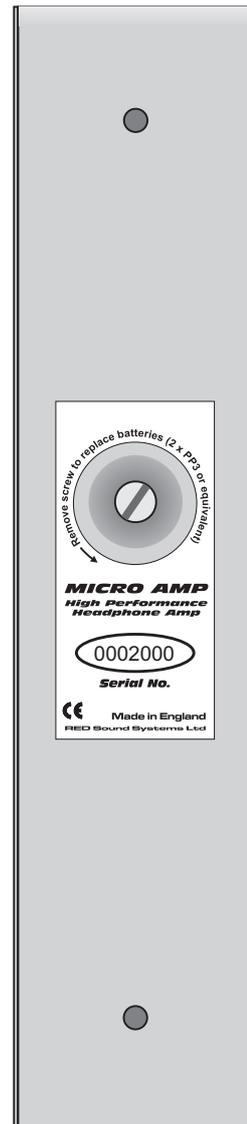


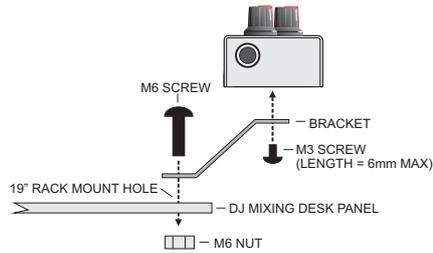
Diagram 2

MOUNTING/CONNECTIONS

MOUNTING THE MICRO AMP

You can choose from three mounting options included with the MICRO AMP.

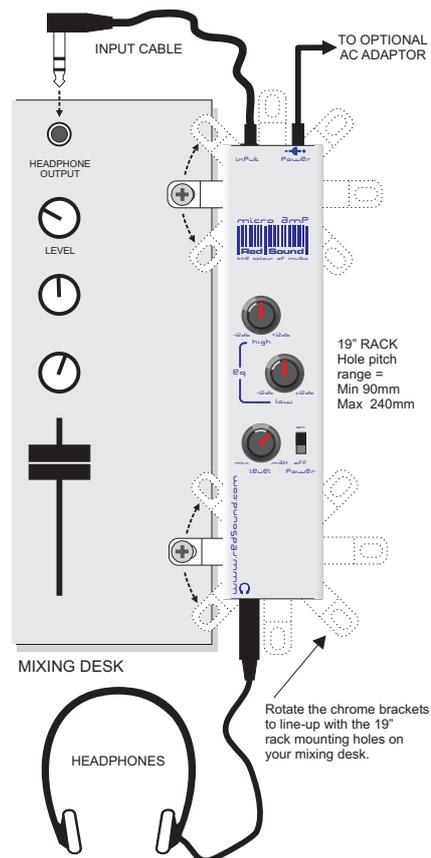
- 1. Rubber feet** - Stick one in each corner on the underside panel for free mounting.
- 2. Double sided adhesive pads** - Stick one either side of the serial number label on the underside panel. Locate a flat, clean surface on your equipment/rig, peel-off film and press firmly into place for a permanent mounting.
- 3. Brackets, for use with 19" rack mount holes on mixing desks** - The MICRO AMP can be conveniently located on either side of a mixing desk for a semi-permanent mounting.



CONNECTING THE MICRO AMP TO YOUR SYSTEM

When you have chosen the best mounting option for your setup, connect the MICRO AMP into your system as follows:

1. Connect a suitable input cable to the 3.5mm socket on the MICRO AMP rear panel marked 'INPUT'.
2. Connect the other end of the cable to the headphone monitor output on your mixing desk. (Ensure that the headphone level control on the mixing desk is turned right down at this stage)
3. If you have purchased the optional 17vDC transformer, connect the output plug of the power adaptor to the MICRO AMP's power in socket on the rear panel.
4. Connect the 6.3mm plug from your headphones to the MICRO AMP socket marked  on the front panel.



OPERATION

HEADPHONE AMPLIFIER

With the MICRO AMP connected to your system as detailed on page 3 and switched on, set the MICRO AMP's 'EQ' controls to their centre (click) position and the 'LEVEL' control to minimum. Now play an audio track on one of your CD/Vinyl decks and ensure that the corresponding channel on the mixing desk is selected for monitoring. Set the monitor output control ON YOUR MIXING DESK/AUDIO EQUIPMENT to approximately the mid position. To hear the monitored audio on the connected headphones, slowly turn up the LEVEL control on the MICRO AMP until a comfortable listening level is reached.

The High and Low EQ controls on the MICRO AMP can be used to tailor the monitored audio sound to your individual requirements.

LOW EQ - 100 Hz: From the centre-click null position, turn this knob clockwise to boost the LOW frequencies or anti-clockwise to cut them.

HIGH EQ - 6.5KHz: From the centre-click null position, turn this knob clockwise to boost the HIGH frequencies or anti-clockwise to cut them.

NOTES: Remember to switch off the MICRO AMP's power when not in use to conserve battery life. If the optional power supply is used, remove the batteries as a precaution against long-term battery decay. The sound will become distorted when the batteries are run down.

SPECIFICATION:



Freq Response: 20 Hz to 20kHz(+/-0.5dB)
Input level: nominal 500mV
Output level: 2 watts RMS minimum (8 ohms)
High EQ: +/- 12dB @ 6.5kHz
Low EQ: +/- 12dB @ 100Hz

Amplifier



Mounting kit: 2 x chrome brackets / 2 x M6 screws / 2 x M6 nuts /
2 x M3 screws,
2 x double-sided adhesive pads,
4 x rubber feet

Accessories (Included)



Batteries: 2 x 9vDC type 'PP3', Mn1604 or equivalent (not included)
Battery life: 30-40 Hours using Alkaline batteries

Power



Size: 42(W)x195(D)x22(H) mm
Weight: Less than 0.5 Kg

Dimensions/Weight



Power Supply: 17vDC, 320mA (RED PSU2) output plug wired centre pin positive. Ask your dealer/distributor for availability.

Optional Accessory



For Europe



This product complies with the requirements of European Directive 89/336/EEC



** Specification and /or appearance subject to change without prior notice due to product improvement.*

© Copyright / Software Copyright / Design Right RED Sound Systems Ltd. 2001

Printed in England



www.redsound.com



*Bourne House, Cores End Road,
Bourne End, Bucks. SL8 5AR. England*

Phone : +44 (0)1628 819191
Fax : +44 (0)1628 819111