

PROTECTION

The Mini-1 amplifier has short circuit (over-current), over-temperature and full speaker protection. The loudspeaker connections will be isolated and the status LED will flash to indicate one of these conditions. Please switch off the amplifier and check the wiring before continuing.

POWER CONSUMPTION

Many traditional audio products consume significant electricity when idle, the Mini-1 is different. It is a very efficient digital amplifier, therefore draws low levels when idle and slightly more when operational. This makes it both eco and wallet friendly.

TROUBLE SHOOTING

No sound?

Check Mini-1 is powered on. Verify LED is lit on the PSU. Ensure volume is at sufficient level and input cables are secure. Verify speaker cables are secure and connected.

Status LED indicates fault?

Turn off Mini-1, wait for 5 seconds, turn on and check condition. Check all wiring for any short circuits. The -ve speaker wire can't be grounded.

How do I connect bare speaker cable?

The 4mm speaker terminals will unscrew to reveal a space for the cable to be inserted. Trim and adjust the cable to fit and then screw the terminal tight against the cable. Take care not to short out any bare cables between the -ve & +ve.

Audio output is distorted?

If the volume is too high it can result in clipping or distortion, this should not happen at normal listening levels. Reduce volume. Ensure loudspeaker impedance is 4ohm+

Can I use the amp in my car or motorbike?

The Mini-1 is **not** suitable for automotive use, or a common ground.

For all other technical issues, contact **Support**.

SPECIFICATION

Total Harmonic Distortion + Noise	< 0.03% @ 10W 4Ω
Efficiency	88% @ 12W 8Ω
Power rating	< 20W RMS @ 4Ω
Signal-to-noise ratio	98dB
Input sensitivity	200mV
DC offset	< +/-2mV
Idle power consumption	150mA (approx)
Audio input	Gold plated stereo RCA
Digital Amplifier chipset	Genuine Tripath TA2020-020
Dimensions	(W)103 x (H)35 x (D)168 mm
Weight	515g (~1kg w/packaging & PSU)

WARRANTY

The Amptastic Mini-1 and power supply unit have a non-transferrable 1-year RTB warranty from the date of first purchase.

The manufacturer can take no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorised adjustment and/or repair, neither can they accept responsibility for damage or loss occurring during transit to or from the person claiming under the warranty. The warranty does not cover transportation costs at any time. For any queries or repairs, contact Support.

CORRECT DISPOSAL

This marking indicates that this product should not be disposed with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal and to conserve material resources, this product should be recycled responsibly.



To dispose of your product, please use your local recycling, return and collection systems.

Amptastic®

MINI-1 AMPLIFIER

User Guide



WHAT'S IN THE BOX?

- Amptastic Mini-1 amplifier
- Amptastic power supply unit (optional)
- IEC power lead (optional)

INTRODUCTION

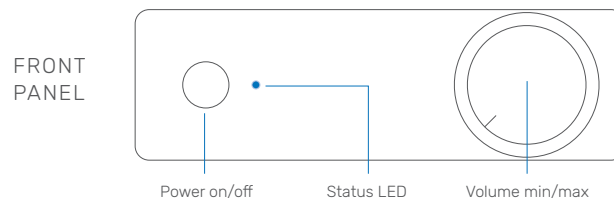
The Amptastic Mini-1 amplifier provides audiophile sound quality, low power consumption and beautiful design – all in a small, affordable package. Drawing on the several years of research, this amplifier represents the very best in Tripath digital audio design.

INSTALLATION

- 1 Carefully unpack and inspect all items, set aside and store safely all packaging for future use.
- 2 Connect the IEC power lead to the Amptastic power supply unit and plug in to the AC wall socket. Ensure LED is illuminated on power supply, switch on AC wall socket if required.
- 3 Position the Mini-1 central to loudspeakers, away from sources of moisture, excessive heat or cold. Do not use in or near water.
- 4 Connect loudspeaker cables to the Mini-1 speaker binding posts, using either bare cable or 4mm banana plugs. Ensure correct polarity matching, +ve and -ve to each speaker and post.
- 5 Connect RCA stereo interconnect to the R/L input on the Mini-1, the other side to input source.
- 6 Ensure Mini-1 power switch is off. Connect DC plug on Amptastic PSU to the DC input socket.
- 7 Set volume to low level and power on the Mini-1 unit via the power button. The LED indicator on the Mini-1 should glow blue.
- 8 Increase volume until music is at a desirable level.

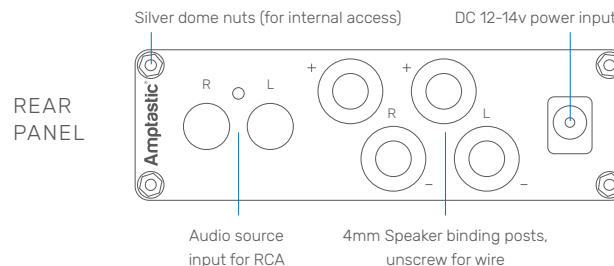
Any problems please see **Troubleshooting**.

OPERATING THE MINI-1



LED STATUS

Blue	Power on
Red	Power management charging/discharging
Purple (single)	System powering down
Purple (flashing)	Fault condition, see Troubleshooting



SPEAKER COMPATIBILITY

The Mini-1 is an efficient, low power audio amplifier. To get the best experience it is recommended to partner with speakers of a high sensitivity e.g. 85dB+ and 4→8ohm impedance.

The digital audio amplifier is internally bridged. It is therefore not possible to operate in mono or tied output configuration. For more information contact **Support**.

CONFIGURATION

It is possible to change the behaviour of the amplifier by changing internal *jumper link* positions.

ACCESSING INTERNAL JUMPERS

- 1 Turn off and disconnect the Mini-1 from power supply unit.
- 2 Gently pull volume knob from the front panel.
- 3 With *needle nosed pliers*, carefully remove the retaining nut and washer for the volume control.
- 4 With *needle nosed pliers*, carefully loosen and remove the 4 silver dome nuts on the rear panel.
- 5 Slide out circuit board assembly and place on a flat surface, access to *jumper links* located on front side next to volume is now possible.
- 6 Reassembly is reverse of above.

POWER AMP MODE



Volume bypassed

Amplifier input in direct mode, no volume control



Volume operational

Amplifier input in volume adjust mode.

POWER LED MODE



With the jumper installed (default) the blue power LED will operate when in use. Remove the jumper to deactivate the LED.

IMPORTANT NOTICE

Extra care must be taken when disassembling and re-assembling the Mini-1 amplifier, any damage caused by incorrect handling will not be covered by the standard warranty. Do not attempt to adjust internal jumpers with power connected.

If in doubt, contact **Support** for help or advice.