



© Matamp, 2005

Document Reference: MINIMAT-UG-03.0

Check for updates to this information at
www.matamp.co.uk

Produced in conjunction with
Goldsbrough Consulting Limited
www.goldsbrough.biz



MiniMat

User Manual

Before we begin

We know that there's a huge variety of amplifiers you can choose from today, and we are delighted that you've chosen a Matamp amplifier. Thank you.

This user manual is designed to help you get the best out of your new Matamp MiniMat amplifier.

Please let us know how you like to use your Matamp amplifier: customer feedback is as important to us now as it has always been.

Jeff Lewis

Try This

Your MiniMat is capable of a wide range of tones, and experimentation is the best way to find them.

But to get you started, try these settings.

Settings	Input	Booster	Volume	Tone
"Rock Crunch"	Low	N/a	11 o'clock	2 o'clock
"Smooth Jazz"	High	1 o'clock	10 o'clock	10 o'clock
"70s Lead"	High	4 o'clock	1 o'clock	1 o'clock

Enjoy!

We hope you enjoy using your new Matamp amplifier.

If you have further questions, please look for updated product information on our web site at www.matamp.co.uk, or get in touch by e-mail or phone using the contact details you'll find there.

In Detail

Here are a few details that you should be aware of:

- When the High Input is used, your signal always passes through the booster section, even if the Booster is switched off. The Low Input bypasses the Booster section completely.
- Try balancing the front panel Volume control against the rear panel Master Volume to not only control output volume, but change the tone too.
- Turning the Master Volume control so that the amplifier is operating at full volume takes the attenuator out of circuit.
- If you are using a speaker with the MiniMat, making a connection to the Direct Injection socket at the same time is permissible. You may find, with the dummy load engaged in this configuration, that the tone of the amplifier is altered slightly, and the output volume lowered. This is normal, and may provide you with another tonal option

About the MiniMat

Your MiniMat is a hand-wired professional amplifier built on a stainless steel chassis, deriving 2 Watts nominal (clean) output from a 6V6 output tube and one ECC83 (12AX7) preamp valve.

The MiniMat was designed to be suitable for use in a recording studio or for practice, coupled to the speaker enclosure of your choice.

We will be pleased to advise you on the selection of a hand-built Matamp speaker cabinet to use with your MiniMat. Our range includes open and closed back cabinets with one, two or four speakers from leading manufacturers such as Celestion, Jensen and Eminence.

An inbuilt Power Attenuator allows the output volume to be reduced (when Speaker Output 1 is used).

A Direct Injection (D.I.) socket allows for easy connection to recording hardware.

Just 2 Watts?

At Matamp, we rate our amps in terms of their output power at the point that distortion commences. At 2 watts, the MiniMat still provides a full sound, and is surprisingly loud.

Safety Matters!

The MiniMat is a professional grade amplifier. Always operate it as described in these instructions.

- Prevent the incursion of moisture into any part of the amplifier.
- The mains power lead to the amplifier must have an earth connection.
- Do not use a higher rated fuse than specified.
- Never operate the amplifier unless there is a connection made to at least one of the output sockets (D.I., Spkr 1, Spkr 2)
- Never operate the amplifier with a connection made to Spkr 1 AND Spkr 2—you must only use one of these at the same time.



When a connection is made to the Direct Injection socket, a dummy load is engaged, and you may then operate the MiniMat without speakers attached, if you wish, for silent recording.

Speaker Outputs

If speakers are connected, only one speaker socket may be used at one time. You may use either an 8 Ohm or a 16 Ohm cabinet with either speaker output.

Spkr 1 is an attenuated output, with the output volume controlled by the Master Volume knob.

Spkr 2 is not attenuated.

Footswitch Input

Connect the provided footswitch here, to control whether the Boost function is engaged.

If you don't connect the footswitch, the Boost function will not be active when the High Input is used.

Rear Panel Features

Mains Voltage Selector

The mains voltage can be switched between 120 volts and 240 volts using the fuse holder adjacent to the mains cable input. Follow the instructions in the diagram on the panel to ensure that the fuse is inserted properly for the required voltage before powering the amplifier on.

H.T. Fuse

If the fuse fails, replace it with a 500mA value fuse of good quality.

Master Volume

This knob controls a power attenuator that determines how much of the output signal reaches Speaker Out 1.

With high levels set on the front panel for Volume and Boost, this control can reduce the output volume to a manageable level for practice and studio use.

Direct Injection

Make a connection here to hardware such as speaker emulators, recording workstations and mixing desks for further tone processing.

This output is taken from after the power amplifier section. It is not speaker emulated. It is not affected by the Master Volume setting.

Inside the Chassis

Ensure that the amplifier is disconnected from the mains supply before opening the amplifier, and wait at least five minutes after disconnection to allow electrical charges within the amplifier to dissipate.

There are no user-adjustable parts inside the chassis other than the valves. The chassis can be removed from the amplifier shell by removing the bolts underneath the amplifier.

Always choose high quality replacement valves. You may find that different brands of valve give you different tones.



Front Panel Controls

Low Input

Unlike some other amplifiers, this is not a low impedance input, but a low gain input. It bypasses the inbuilt booster section, and feeds the preamp section directly.

High Input

Plugging your instrument in here routes the signal through a booster section before it reaches the preamp section.

Boost

This controls the level of boost used. The boost can be switched in and out of circuit with the footswitch provided. The boost feature provides added gain and sustain.

Volume

Adjust from a whisper to “I thought this was only two watts!”.

Tone

The single tone control is calibrated to provide a wide range of usable tones.



Power Switch

Ensure that the mains lead and speaker lead are connected on the rear panel before operating the power switch.

There is no standby mode. The amplifier should have reached operating temperature and be ready to play after two minutes.

The power indicator light will glow shortly after the power switch is engaged – this is normal.