

mambo amp
probably the best compact jazz combo on the planet



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www.mambo-amp.co.uk

This information is for guidance and applies to the standard 500 watt guitar combo.

Specification

- 500 Watt rms continuous power rating, 250 Watt rms with the internal speaker, plus an additional 250 watt rms when used with an external 8 Ohm loudspeaker, an r.m.s. limiter prevents power amplifier overdrive while allowing loud transients to be faithfully reproduced.
- 24 bit digital reverb, with depth and delay-time controls
- hand-made birch ply cabinet
- two guitar input jacks ,
- line level input (3.5mm stereo jack) for MP3 / CD etc.
- headphone output (3.5mm stereo jack)
- European (230 V) or US (115V) mains voltage (specify when ordering)

Size and weight (approx.)

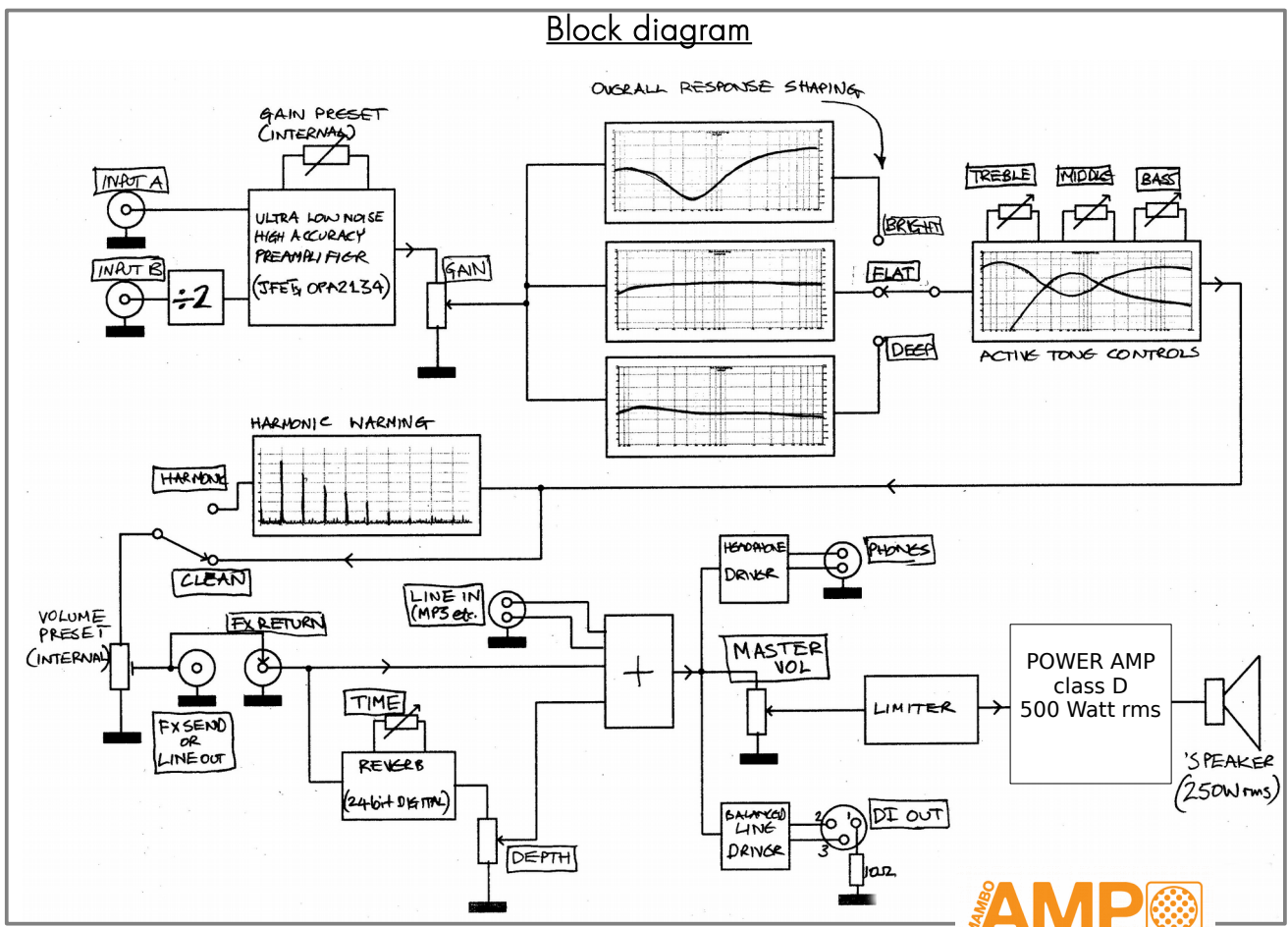
- 12" - 12.1 kg, 36 by 36 by 30 cm
- 10" - 8.1 kg, 31 by 31 by 25 cm
- 8" - 7.3 kg, 27 by 27 by 23 cm

Inputs and controls



- **two guitar input jacks**, normal (A) and low gain (B)
use the normal input for most guitars, use the low gain input for very high output guitars or other signal sources. Both inputs can be used at the same time, in which case they automatically switch to normal gain. Useful if you use two guitars on stage, or for teaching etc.
- **gain**
adjust to taste, at higher gains the harmonic setting will have more effect, in a similar way to a valve preamp. As a starting point set to 12 O'clock. **On the harmonic setting it is possible to overdrive the preamp slightly with high gain settings when playing loud**, This is deliberate, but if you want a cleaner sound, turn the gain down, or use the clean setting.
- **treble**
- **middle**
- **bass**
- **power on LED**
- **headphone out** ; stereo 3.5mm jack
when using headphones, turn the master volume down to zero to mute the loudspeaker
- **line in** ; stereo 3.5mm jack, for mp3 /cd etc
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- **bright / normal / deep** ; 3 way switch
the normal setting is the classic mambo amp sound
deep setting has slightly more bass and less treble, more like a Polytone
bright setting swaps the standard mambo tone control to a Fender AB763 circuit

- clean / harmonic** ; 2 way switch
 the clean setting is pure and clean, very high headroom
 the harmonic setting is similar to a valve preamp, turning the guitar up and playing harder will produce more dynamic overtones. Use the gain control and guitar volume to get the best of this to suit your taste. High gain settings will produce mild overdrive on loud notes.
- master volume**
 the main volume control
- reverb depth**
 set the amount of reverb
- reverb time**
 set the reverb time, (room size / dwell)
- effects send** ; 1/4" mono jack
 line level output, taken before the reverb and master volume
 can also be used as a line out
- effects return** ; 1/4" mono jack
 line level input
- direct out** ; 3 pin male XLR
 balanced output, taken after the reverb is added, and before the master volume control
 The output level here is affected by the gain control, but not affected by master volume.



guidance for first time users

- Plug in to the mains and switch on.; The green light will come on.
- Set the gain control and the bass, middle and treble controls to 12 O'clock.
- Set the master volume to zero.
- Plug your guitar into input A
- Turn your guitar volume up full.
- Play loudly and turn up the master volume to the required maximum loudness.
- Adjust the tone controls and reverb etc. to your taste
- Use the guitar volume to control the overall loudness.

Some important points worth noting:

please read this first, if you need more info there is a user guide at www.mambo-amp.co.uk and feel free to contact us for further advice if you need it.

On the harmonic setting it is possible to overdrive the preamp with high gain settings when playing loud. The intention is to make the notes sound richer at lower levels and if you want to, you can get a soft overdrive when playing loud at higher gain settings. If you want a cleaner sound, turn the gain down, or use the clean setting. Be aware that at high levels the harmonic setting will be slightly noisy. This is normal and is due to the valve-style harmonic circuitry. If you need really low noise turn the master volume down, or use the clean setting.

Use the tone switch to select the best overall tone for your preference. This switch adds great tonal versatility and covers the whole range of tones available from Fender style amps, through to Polytone style amps. The centre setting is the classic Mambo sound. The bright setting has a Fender style sound, the deep setting is more like a Polytone. Be aware that the Fender setting does have a slightly higher noise level. This is normal and is due to the Fender-style tone circuitry.

To use the headphone socket, turn the master volume control to zero. The loudspeaker is not automatically muted when you plug the headphones in. This is to remove the common problem of loudspeaker mute-switch failure.

There are two guitar inputs, input A is normal, input B has a 6dB pad, i.e. half gain. Use input A with most guitars. Some active guitars and pedals may benefit from using the low gain input B. If plugging in two guitars at the same time both sockets automatically switch to normal. i.e. they are identical if used simultaneously.

Extension loudspeaker the extension speaker socket is on the rear panel, the socket will accept standard 1/4" jack plug or "speakon" connector (when plugging in you need to rotate the plug until it locks) . make sure your extension loudspeaker is powerful enough, 200 watts minimum for 8 Ohms, 400 watts for 4 Ohms. Note 4 Ohm speaker should only be used with the internal speaker muted.

Mute Switch the mute switch on the rear panel switches off the internal speaker, use this if you want to use the amp with an external loudspeaker cabinet of 4 Ohms impedance, or if you only want to hear the external speaker on it's own.

The power amplifier is rated for two 8 Ohm loads in parallel, e.g. 250 Watts rms, for the internal 8 Ohm speaker, plus an additional 250 Watts rms for an external 8 Ohm speaker. Be sure your external speaker is 8 Ohms or more, and can handle the power, 200 watts minimum, You can use a 4 Ohm external speaker cabinet ONLY if the internal speaker is switched off.

Mambo amp electrical safety. Important please read carefully.

This amplifier is designed and manufactured in accordance with European electrical safety requirements for domestic appliances for use indoors in a dry environment. Specifically the Low Voltage Directive (LVD) 2006/95/EC

In order to continue the intended level of safety, observe sensible precautions and please note the following points;

- **Use only with an earthed (3 pin) socket outlet. THIS UNIT MUST BE EARTHED.**
- Do not use outdoors or in wet or damp environment.
- Protect from moisture, excessive heat or physical damage.
- Switch off and unplug when not in use or when unattended.
- Select the correct operating voltage for your locality using the rotary switch near the power inlet on the rear panel.
- Always use the correct fuse.

There is a fuse fitted to the electrical inlet of the amplifier. Make sure the correct fuse is fitted. Never replace with a fuse with a higher Amp rating.

Correct fuse ratings for the 500W rms mambo amp are;
4 Amp time-delay (T) fuse (it's the same fuse type for US 115V and Europe 230V)

Mains power cable colour coding

The cable supplied uses European colour coding;
blue = neutral
brown = live (aka hot or active)
green/yellow = earth. (aka ground)

The equivalent USA colour coding is Black = Live White = Neutral Green = Earth
Australian colour coding is usually the same as European.
Use an RCD whenever possible to reduce the risk of electrical shock from musical instruments.