

# 65 AMPS Memphis User Manual

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A CALIFORNIA CORPORATION DEDICATED TO THE PURSUIT  
OF PREMIUM TONE



# WELCOME TO THE 65 AMPS Memphis Experience!

*We have gone to great effort to create the ultimate responsive and expressive guitar amp. The 65-Memphis is completely hand-wired with the highest quality and select choice of transformers, components and speakers.*

## GENERAL DESCRIPTION OF THE 65-Memphis AND ITS CONTROLS:

The **65-Memphis** utilizes the EF86 tube on the input then feeds into a 12AX7/ECC83 driven tone stage with **BASS** and **TREBLE** tone controls. There is a **MASTER VOLUME** that can be switched on or off, giving the choice of a complete “non-master” type circuit or more output and gain control when engaged, from full stage volume to practice levels.

The **BUMP** controls serve as a mid-range / gain boost, offering a completely different pallet of tones. It can also function as a foot-switchable lead boost.

The **BUMP** function operates both with the **MASTER VOLUME** on or off. The Memphis offers crystalline clear jangle (**BUMP OFF**) to screaming fat midrange (**BUMP ON**) to high-gain preamp distortion scooped crunch with the **MASTER VOLUME** engaged (and **BUMP OFF**).

## FRONT PANEL:

**HI & LO INPUT** – For powerful clean tones, try the **LO** input and turn up **VOLUME** to “5 to 8” with the **BUMP OFF**. Great chime with single coil pickups.

**VOLUME** – Main input volume. With **MASTER VOLUME** disengaged, this control sets the amps overall volume and gain, non-master style.

**TREBLE & BASS** – The tone stage. Higher levels of **BASS** and **TREBLE** and lower **VOLUME** will give serious jangle tones. As you increase the **VOLUME**, you can decrease the **BASS** and **TREBLE** levels to bring in more midrange and overdrive. These controls decrease in effect when the **BUMP** circuit is engaged.

**BUMP ON/OFF SWITCH** – Engages and disengages the **BUMP** circuit. This function is foot-switchable with the footswitch jack on the rear panel.

**BUMP TONE** – Allows additional tone shaping of the **BUMP** circuit and increases or decreases the level of treble.

**BUMP LEVEL** – A 6-way rotary switch that allows for different levels of **BUMP** tone. Set at “1”, **BUMP** function adds mid-range and gain. As the **BUMP** increases from “2 - 6”, the **BUMP** level is increased. As you increase the level up to “6” there is a significant level of midrange gain boost.

**MASTER VOLUME** – This control can serve in different ways. If you wish to use it to decrease your volume to a comfortable level, dial up your sound first, then engage the **MASTER VOLUME** with the **ON / OFF** switch and set to desired level. You may need to adjust the tone controls slightly, increasing **TREBLE** to compensate for the **MASTER VOLUME** and significantly lower output levels. If using the **MASTER VOLUME** for high-gain preamp distortion, engage **MASTER VOLUME** and set to lower levels (around “2 - 3” to start. Turn up input **VOLUME** to a higher setting (“8 - 10”). Adjust tone controls. For more fat midrange introduce the **BUMP** control.

**MASTER ON / MASTER OFF** – Engages or disengages the **MASTER VOLUME** circuit. In the **OFF** position, the **MASTER VOLUME** is entirely out of the circuit and the amp is purely “non-master”.

**ON / STANDBY** – Switches the amp from “**STANDBY**” to functioning “**ON**”. Best turn the AC power switch to “**ON**” first and wait about 30 seconds before turning **STANDBY** to “**ON**”. This will prolong tube life. When turning the amp off, switch AC power to “**OFF**” first. This allows the power to drain out of the amp circuit.

**INDICATOR** – Indicates amp power status. If this light does not come on when switching on the amp, double-check your AC power source or check to see if the **MAINS FUSE** is blown.

**CAUTION: UNPLUG THE AMPLIFIER FROM AC POWER BEFORE CHECKING THE FUSE!!!**  
If the fuse is blown, this indicates either a problem with your AC source or with the amplifier.

**ONN / OFF** – The AC power **ON / OFF** switch.

**REAR PANEL:**

**FOOTSWITCH** – this is a mono jack that activates the **BUMP** circuit.

**IMPEDANCE** – all 65 Amps 212-Combos and Extension Cabinets are wired for **16-ohms** (two 8-ohm speakers in series / 2x12 or one 16-ohm speaker / 1x12). If using two 16-ohm cabinets, set **IMPEDANCE** to **8-ohms**. Always be sure to match the impedance of this amplifier with the impedance of the speaker cabinet you are using. The Memphis is switchable between **8** and **16 ohms**.

**SPEAKER OUTPUTS** – Two speaker outputs in parallel.

**H.T. FUSE (SLO-BLO)** - This slow-blow type fuse is in line with the DC voltage in the amp (**H.T.** stands for “High Tension”). When the **H.T. FUSE** blows, it is typically a sign of a bad power tube. Correct amperage of the **H.T. FUSE** is written on the chassis.

**MAINS FUSE (SLO-BLO)** - This slow-blow type fuse is connected to the AC primary side of the Power Transformer. Correct amperage of the **MAINS FUSE** is written on the chassis.

**CAUTION – NEVER USE A FUSE WITH A HIGHER AMPERAGE RATING. NEVER REPLACE A FUSE WITH ALUMINUM FOIL OR OTHER CONDUCTIVE MATERIAL. DOING SO IMPOSES EXTREME DANGER, POTENTIALLY DAMAGING THE AMPLIFIER AND VOIDS WARRANTY.**

**TUBES:** (from left-to-right looking from the rear)

**PRE-AMP TUBES:** EF86 – 12AX7 (ECC83) – 12AX7 (ECC83)

**POWER TUBES:** 6V6 – 6V6

**RECTIFIER:** 5AR4

This amp is cathode-biased and requires no internal bias adjustment when replacing the 6V6 power tubes. You can use any brand of 6V6 tube in this amp. However, after extensive experimenting with the current production tubes, our favourite 6V6 tube for this amp is from the JJ brand.

**IMPORTANT:** We recommend a qualified technician for re-tubing. Tubes using the same size socket can have very different wiring configurations and voltages. Placing the wrong tube in the wrong socket can cause damage to the amplifier and the tube.

**PLEASE READ THE FOLLOWING WARNINGS AND USER ADVICES!**

Always make sure the AC voltage selector (when present) is set for the proper voltage (120 Volts in the U.S.) before turning on the amplifier! Correct voltage is written on the rear panel of the chassis.

Always make sure the amplifier is grounded (3-prong connector – no ground lifts)!

Use only a high quality grounded 3-prong AC power cable with this unit! Always look for breaks or exposed wire and replace if defective or damaged!

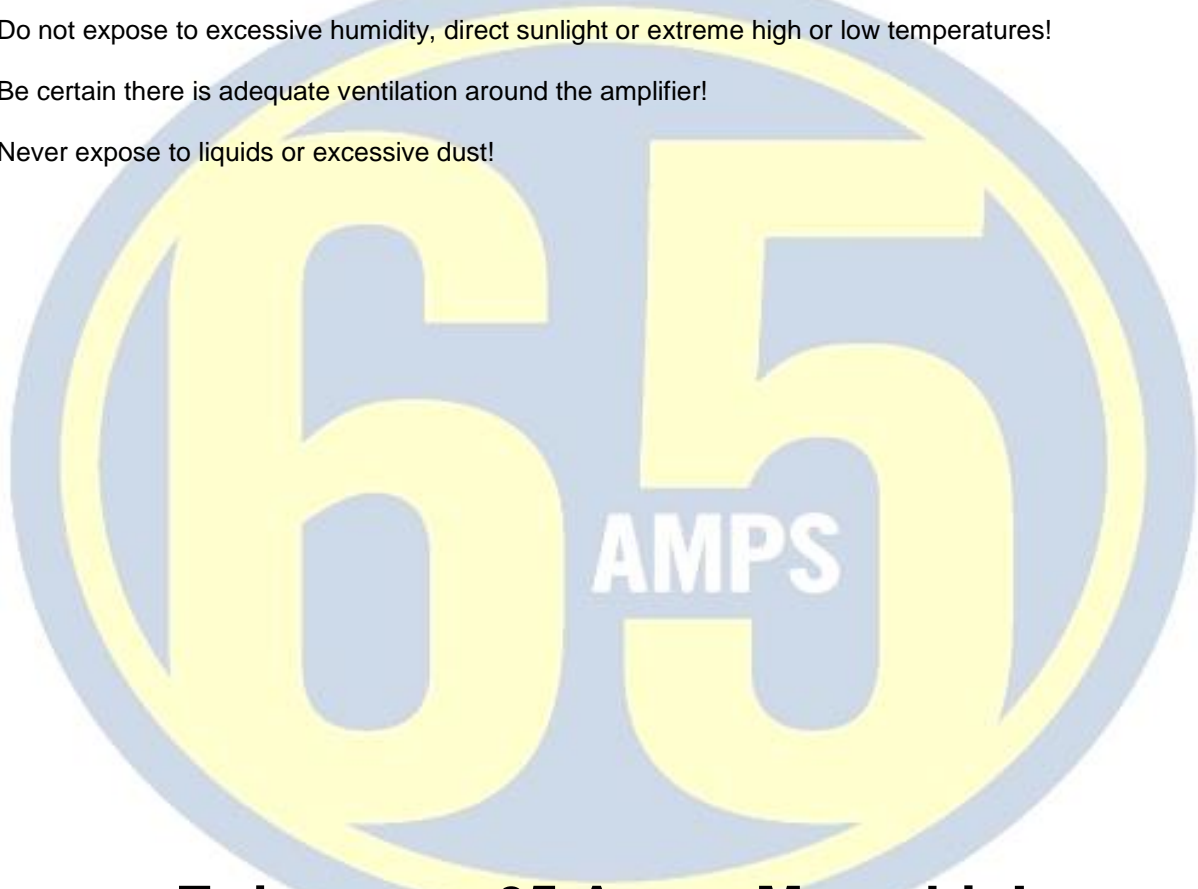
Never remove the chassis from the cabinet! The amplifier will store high voltages long after the amp has been turned off and disconnected from the AC!

Changing tubes does not require any internal adjustments. Refer all service to a qualified technician!

Do not expose to excessive humidity, direct sunlight or extreme high or low temperatures!

Be certain there is adequate ventilation around the amplifier!

Never expose to liquids or excessive dust!



**Enjoy your 65 Amps Memphis!**

For any further assistance, please do not hesitate to contact us directly:

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