

SWR



LA SERIES USER GUIDE



SWR

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LA 8



LA 12



LA 15

INTRODUCTION

Congratulations on your purchase of an SWR LA Series combo amp. You now own what we believe to be the best-sounding, most affordable bass combo amp available on the market today.

Since 1984, SWR has earned a well-respected reputation for designing and manufacturing high-end professional bass amplification systems. That famous “SWR sound” is known worldwide, having made its way to stages of all sizes, from local pubs and clubs all the way up to the world’s biggest stadium shows and outdoor festivals. You’ve heard the sound of SWR bass amplification on countless recordings, too. Now, that renowned “SWR sound” can be found in what we believe are the best-sounding, *affordable* bass combos available today: **the SWR LA Series**.

All of the models—LA 8, LA 12 and LA 15—come with a basic SWR preamp designed by company founder Steve Rabe, easy-to-use tone controls, a tuner out jack, a headphone jack that automatically defeats the speaker system, and a “mix in” jack for practicing along with a CD player. For beginners, it’s all you need to get you on the road to developing your own musical voice as a bassist. For experienced players, it’s the renowned SWR package in its most basic form. Try mixing it in the studio for a great sound to tape, or use it as an “armchair” practice amp.

Please take the time to read this manual thoroughly and completely so that you can fully realize the potential of your new LA Series combo amp. And welcome to the world of *real bass tone*.

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LA SERIES FEATURES

Top

- Input Jack
- Bass Control
- Midrange Control
- Treble Control
- Tuner Out Jack
- Stereo Headphones Jack
- Mix In Jack
- Illuminated On/Off Neon Power Switch

Rear

- Line Fuse (see specs below for ratings)
- A/C Cord Receptacle

LA SERIES SPECIFICATIONS

Weight

LA 8 = 20 lbs.
LA 12 = 36 lbs.
LA 15 = 50 Lbs.

Dimensions

LA 8 = 11"H x 14"W x 11"D
LA 12 = 18"H x 15"W x 13"D
LA 15 = 23"H x 18"W x 16"D

Power Output

LA 8 = 30 watts RMS
LA 12 = 60 watts RMS
LA 15 = 100 watts RMS

Tuner Output Impedance (all models)

100 ohms

Mix In Jack Impedance (all models)

22K ohms

Tone Control Center Frequencies

Bass = 80 Hz
Mid = 800 Hz
Treble = 5kHz

Speaker Impedance (all models)

8 ohms

Line Fuse Ratings

120 Volt Models:

LA 8 & LA 12 = 2 amp slo-blo

LA 15 = 3 amp slo-blo

230 Volt Models:

LA 8 & LA 12 = 1 amp slo-blo

LA 15 = 1 _ amp slo-blo

GETTING STARTED

Remove the A/C cable from the accessory pack and connect it from the amp's **A/C RECEPTACLE** to a standard wall outlet. Make sure that the **VOLUME** control is set to the minimum position (fully counter-clockwise). Locate the **POWER SWITCH** on the right side of the top panel and turn the amplifier on. The switch should illuminate in red. Upon powering up, don't be surprised if you hear a small pop. This is absolutely normal.

Plug your instrument into the **INPUT** jack. Turn your instrument's volume up to at least 75% of maximum and slowly turn up the amp's **VOLUME** control until you reach your desired loudness. If you turn it up to the maximum (fully clockwise), the tonal quality will most likely decrease. Simply turn the **VOLUME** control down until you hear the sound you want. (There is no limiter/compressor circuit in the LA Series models—hard limiters on small combo amps tend to ruin a good bass tone.) More information is available in the section marked "Volume Control."

TOP PANEL FEATURES

Input Jack

This jack accepts a standard 1/4" phone plug as found on standard instrument cables, and can be used with passive and active basses alike. Be sure to insert the cable plug straight down into the jack, not from an angle. Also be sure to insert the cable plug fully into the jack. You should feel three "latches" as you insert the cable plug, and after the third latch your cable should be fully inserted. (This is true for all jacks in the LA Series.)

Volume Control

This control is used to set the volume of your LA Series amp. When the knob is fully-counter clockwise, there should be no sound at all. As you turn the knob clockwise, the sound will gradually become louder.

The optimal setting for the LA Series **VOLUME** control will depend on what kind of bass you use and how hard you play the strings of your instrument. There are two kinds of electric basses: active and passive. An "active" bass contains "active" electronics, requires a battery for proper operation, and usually contains EQ controls that can boost a signal significantly. A "passive" bass

does not require a battery, and generally has a lower output than an active bass. (If you don't know whether or not your bass is active or passive, check the owner's manual to make sure.)

Since an active bass has a higher output than a passive bass, the optimal setting for the LA Series **VOLUME** control will most likely be lower for active basses than for passive ones. As always, use your ears to make the best determination.

Tone Controls

The preamp and tone control circuit in all SWR LA Series amps is the same basic circuit featured in our acclaimed Professional and Workingman's lines. We've condensed many of our "Pro" features into the circuit... so now the SWR sound is "automatic."

For each tone control, rotating the knob counter-clockwise from the center "click" position will reduce (or cut) the level of bass, mid or treble. Rotating the knob clockwise will boost these levels. (*See the LA Series Specifications for the center frequencies of these controls.*)

The **BASS** control works in a range that will be useful under most normal conditions. Its musical use might be thought of as a "fatness" control—it determines the overall "punch" of your instrument. With passive instruments, this will be straightforward. With active instruments containing bass-boost/cut functions, more exploration will be worthwhile. Remember, this control can boost bass up to 15dB, so adjust it carefully.

The **MIDRANGE** control operates in a crucial area for most instruments. Many basses (particularly ones with roundwound strings) can have a very "honky" or nasal sound. Dropping the **MIDRANGE** control can go a long way toward smoothing out your tone. We suggest, though, that what sounds best when you're listening to your tone by yourself may not be what works best when playing with other musicians, or along with a CD when practicing. Use your ears to determine what you like best.

The **TREBLE** control operates in a tonal area that extends through and beyond the usual treble control range. Over time, we have found this approach to result in a more "musically useful" treble. Boosting the control will open up the sound of a dull instrument, especially one with dead strings. However, this is also the range of string rattle, finger slides, pickup clicks, etc. Again, we recommend you experiment with the control alone with your instrument while finding your tone, and listen again when playing with other musicians or with a CD.

Tuner Out Jack

This jack allows you to connect an instrument tuner to your LA Series amp without having to unplug and go back and forth from amp to tuner to amp. Simply plug in a shielded patch cord from this jack to the INPUT of your tuning device. Turn the amp on and you're ready to go. If you don't want to monitor your sound while tuning, turn down the **VOLUME** control all the way. This jack also functions as a "preamp out" jack. Simply connect a shielded patch cord from the **TUNER OUT** jack to another power amp, or a powered monitor, or even a live mixing board or studio console. The tone controls WILL affect the signal present at this jack.

Headphones Jack

By inserting a set of STEREO headphones into this jack, you will be able to monitor your sound or practice without disturbing your neighbors. Once you insert the headphone plug into this jack, the internal speaker system will automatically shut off.

The **VOLUME** control serves as the control for volume of the headphones as well. We suggest you begin with the **VOLUME** control off (fully counter-clockwise), then slowly bring the volume up to your desired level. If you hear some distortion in your headphones, turn down the **VOLUME** control. You're probably overdriving your headphones and could ruin them through continued use in this fashion (not to mention damage your ears in the process).

Any impedance stereo headphones will work. However, optimum impedance is 75 ohms.

Note: Do NOT use mono headphones as they could short out the system.

Mix In Jack

By using this jack, you can practice along with a CD player or other audio device, or even jam with a friend. Simply plug the external "source" stereo signal (from a CD player, cassette deck, MiniDisc, friend's instrument, etc.) into this jack. The **MIX IN** jack has a fixed level, so the external source's volume control should be used for balancing levels between the two signals. (The LA Series Volume Control will still work for controlling the level of anything plugged into the LA Series **INPUT** jack.) The **MIX IN** jack will accept either a stereo (most recorded music) or mono (most instruments) signal.

Effects Loop? Well, Yes. Sort Of...

No, there's nothing marked "Effects Loop" on your LA Series amplifier... but that doesn't mean you can't connect an external effects device to the system in "loop" fashion. Use the **TUNER OUT** jack as the "effect send" and route that signal to the input of your effects device. Then route the output of that effects device back to the **MIX IN** jack (which acts as the "effect return") on your LA Series combo amp. Use the level controls on your effects device to control the amount of effect blended in with the original signal and—*voilà!*—you've got an effects loop!

REAR PANEL FEATURES

A/C Line (Mains) Fuse

The line fuse can open (blow) due to power surges or high power line transients. This fuse will also open in the unlikely event of an electronics failure inside your amplifier.

Correct size and rating of the line fuse: 3AG, 3 amp slo-blo for 120V operation, and 1.5 amp slo-blo for 240V use. DO NOT DEFEAT THE PURPOSE OF THIS FUSE BY USING A HIGHER AMPERAGE RATING. THIS COULD VOID YOUR WARRANTY.

A/C Line Cord Receptacle

Accepts a standard A/C power cable (supplied with the LA Series in the United States), used with almost all current musical, professional and household electronic devices. We recommend taking great care when packing up. Put the cable in your instrument case, accessory case, etc. If you misplace it, replacements can be found at almost any appliance store or supermarket.

Please Note: The rating for this cable is 3-conductor, 18 gauge, 10 amperes. If replacement is necessary, or if you wish to buy a longer cable, look for the correct rating on the cable.

LA SERIES LIMITED WARRANTY

The **LA Series** from FMIC is warranted to the original consumer purchaser for ONE YEAR from the date of purchase, against defects in materials and workmanship and provided that it is purchased from an Authorized SWR Dealer. This warranty applies only to products purchased in the USA or Canada.

This warranty is VOID if the unit has been damaged due to accident, improper handling, installation or operation, shipping damage, abuse or misuse, unauthorized repair or attempted repair, or if the serial number has been defaced or removed. FMIC reserves the right to make such determination on the basis of inspection by an Authorized FMIC Service Center.

All liability for any incidental or consequential damages for breach of any expressed or implied warranties is disclaimed and excluded herefrom.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so that the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

SHOULD YOUR SWR AMPLIFIER REQUIRE SERVICE OR REPAIR, PLEASE USE THE FOLLOWING PROCEDURE:

- 1 Locate your original receipt showing date of purchase, model and serial number.
- 2 Determine the closest Authorized FMIC Service Center to your location. The fastest way to get a complete list of Authorized FMIC Service Centers is on the web, at:

<http://www.mrgearhead.com/faq/allservice.html>

You can also get this information by calling FMIC Consumer Relations at (480) 596-7195.
- 3 To receive warranty service, return the complete product to an Authorized FMIC Electronics Service Center, with proof of purchase, during the applicable warranty period. Transportation costs are not included in this Limited Warranty.
- 4 Defective products that qualify for coverage under this warranty will be repaired or replaced, at FMIC's discretion, with a like or comparable product, without charge.

For a complete list of Authorized FMIC Service Centers, and the latest SWR news, interviews, and more, check out our website:

swrsound.com

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