

K15 FRONT PANEL FEATURES

CHANNEL 1&2 FEATURES

1. L (MONO) & R INPUT JACKS

These 1/4”**INPUT** jacks are designed for keyboards but will work with most any inputs. Plug the stereo outputs from your keyboard into these jacks. Plugging into the **L(MONO)** jack only will send that input to both **Left** and **Right** at the **LINE OUT** and **PHONES** jacks.

2. CH 1 RCA INPUT JACKS

The **Left** and **Right RCA** inputs on Channel 1 are for connecting disc players, MP3 players, tape decks, as well as keyboards with RCA connectors.

3. +12DB GAIN SWITCHES

For inputs with low level signals on **CH1** and **CH2**, press “**IN**” the **+12dB** switches to raise the level.

4. LEVEL CONTROL

The **LEVEL** controls adjust the volume of each channel heard through the speaker at the **LINE OUT** jacks and the **PHONES** jack.

5. BAL CONTROL (BALANCE)

The **BALANCE** control adjusts the difference in level between the **L** and **R** inputs of the channel. You can double the number of inputs on these channels by plugging in two different **MONO** sources to the **L** and **R** inputs and adjusting the **BAL-ANCE** control to bring them to equal levels.

CHANNEL 3 FEATURES

6. CH 3 INPUT JACK

The **CH 3** input jack is a high-impedance input designed for keyboard, line level, an unbalanced mic and instruments such as a guitar or bass.

7. INST (INSTRUMENT LEVEL) SWITCH

The **INST** switch increases the level.

8. MID SWITCH

The **MID** switch provides additional tone shaping for instruments by cutting mid frequencies in the 500Hz range.

9. LEVEL CONTROL

The **LEVEL** control adjusts the volume of **Channel 3** heard in the speaker, at the **LINE OUT** jacks and the **PHONES** jack.

10. TONE CONTROL

The **TONE** control is used to shape the bass or treble sound of the input signal. Start with the tone control center position where it does not affect the signal. Then as needed, turn to the Right to boost **HIGH** frequencies or to the Left to boost **LOW** frequencies.

CHANNEL 4 FEATURES

11. XLR MICROPHONE & 1/4” INPUT JACKS

The **MIC** input is designed for balanced low impedance (microphone) input signals. The Balanced input will reduce the common noise picked up on the microphone cables. The XLR connector is wired as per the industry standard; pin 1 is ground, pin 2 is positive and pin 3 is negative. The 1/4” jack is designed for keyboard and line level signals. Both of these inputs can be used at the same time.

12. LO, MID, AND HI TONE CONTROLS

The **LO**, **MID** and **HI** tone controls are used to shape the bass, midrange, and treble sound of the input signal. It is suggested that the tone control settings start in their center positions where they do not effect the signal. Then, as needed, turn the turn to the right to boost, or turn to the left to cut. To add crispness to your sound, set the **Lo** to +10, **Mid** to -10, **Hi** to +10.

13. LEVEL CONTROL

The **LEVEL** control adjusts the volume of the channel heard in the speaker, at the **LINE OUT** jacks and the **PHONES** jack.

MASTER SECTION FEATURES

14. MASTER VOLUME

The overall speaker volume is controlled by the **MASTER** control. Turn up the volume here before increasing the individual channel **LEVEL** controls. The **MASTER** control does not affect the **LINE OUT** or **PHONES** levels.

15. LINE OUT CONTROL

The **LINE OUT** control adjusts the output level of the rear **LINE OUT** jacks.

16. PHONES LEVEL CONTROL

The **PHONES LEVEL** control adjusts the volume heard at the **PHONES** jack.

17. PHONES JACK

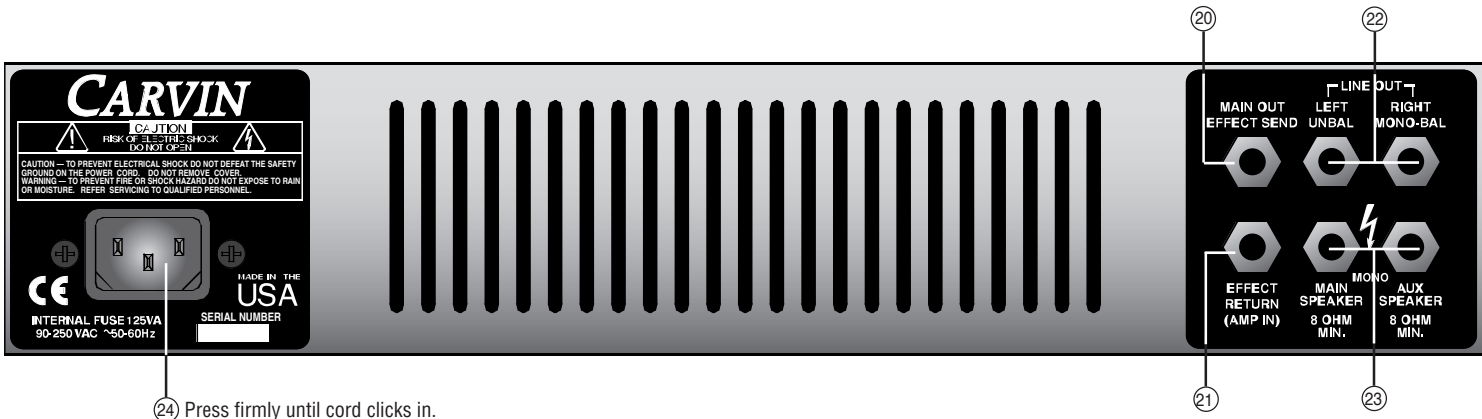
The stereo **PHONES** jack is driven by high current headphone amps that will drive any pair of headphones.

18. THE 5 BAND GRAPHIC EQUALIZER

The 5 band graphic EQ is an excellent tool to fine tune the overall mix from your **K15**. To use the 5 band Graphic, set all sliders to their center detent position. When the sliders are in this position, they do not effect the audio signal. When a slider is raised or lowered, it boosts and cuts the listed frequency. One setting that can be used to enhance your sound is to cut the mid range (set 800 Hz slider to -8) and raise the high and low frequencies as shown. This is a common “smile” curve that gives a tight punchy sound with plenty of highs to cut through a crowd. This EQ does not affect the **LINE OUT** or **PHONES** jacks.

19. POWER SWITCH

The power switch is to be utilized as the master ON/OFF switch. If the power LED does not turn on, check the power cable and make sure it is properly connected at the back of the amp. Also verify there is power at the wall receptacle. If the amp does not power up after this is verified, contact customer service.



REAR PANEL FEATURES

20. MAIN OUT (EFFECTS SEND) JACK

The **MAIN OUT** jack is a post EQ output jack for pre amplifier signal access. This output is the same signal that is being fed to the internal power amplifier. Use this jack as your **EFFECT SEND** when using external effects. It will also drive an external amp should you require more power.

21. EFFECTS RETURN (AMP IN) JACK

The **EFFECTS RETURN** jack is the input return jack that completes the effects loop. This jack will interrupt the signal path when plugged into. Plug the output of your external effects unit into this jack.

22. LINE OUT JACKS

The front **LINE OUT** control sets the output level of these jacks. They are fully independent from the **MASTER** control.

The **RIGHT / MONO-BAL** jack is a **MONO**, balanced **TRS** (Tip-Ring-Sleeve) output when used by itself. When a plug is inserted into the **LEFT/UNBAL** jack, the **RIGHT** jack becomes a standard unbalanced output and you have a pair of stereo outputs. The **LINE OUT** jacks are generally used to connect your amp to the main mixer.

23. EXTERNAL SPEAKER JACK (CHASSIS)

The **EXTERNAL SPEAKER** jack is for connecting additional speaker cabinets. The jack is configured so an external speaker cabinet can be connected in series with the **K15**'s internal speaker. Recommended external speaker impedances are 4 to 8 ohms. Carvin recommends the **112AG** extension speaker.

24. AC POWER

The detachable **AC POWER CORD** supplied is designed to operate with one type of voltage (the European 230V export model uses a CEE-7 plug cord set). Make sure the cord is securely inserted into the back of the unit. Plug the cord into a grounded “3” prong” power source. No attempt should ever be made to defeat or use the amp without the ground connected. The internal switching power supply will “auto-switch” from 100 VAC to 250 VAC, 50 to 60 Hz. This allows the **K15** to be used in various countries without the need for modifications or external transformers.

25. 1/4” SPEAKER INPUT

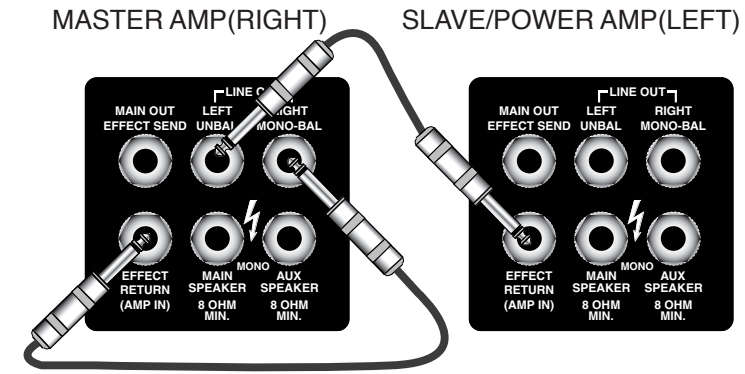
A 1/4” jack is used for connecting the amp to the speaker cabinet.

26. TWEETER L-PAD

The rear **TWEETER L-Pad** adjusts the level of the tweeter to give crisp clear highs. If distortion is heard when playing excessively loud, turn the tweeter down as it can amplify distortion.



STEREO SETUP USING TWO K15'S OR ONE ADDITIONAL POWER AMP & SPEAKER:



The **K15** is capable of stereo operation if another amp is available. Connect the **RIGHT LINE OUT** jack to the **AMP IN** (EFFECT RETURN) of the amp you have your instruments connected to. Use the **LEFT LINE OUT** jack to connect to the **INPUT** of a separate power amp, or to the **AMP IN** (EFFECT RETURN) of another **K15** unit. (*NOTE: GRAPHIC EQ will not function*)