



KINETIX™ 800

**ALL TUBE PRE AMP
ULTRA LIGHTWEIGHT, 800 WATT BASS AMPLIFIER**



OWNER'S MANUAL

PRODUCT DESCRIPTION – The **KINETIX™ 800** represents the latest revolution in lightweight, high-output, and versatile bass amplification from GENZLER® AMPLIFICATION. With our years of research, design, and manufacturing expertise, we developed this model utilizing stringent design parameters for form, function, fit and finish. This latest design blends the warmth and harmonic content of a CLASS A, all tube preamp design, offering three 12AX7 tubes running at a full 300 volt plate voltage and a high output, Class D, 800 watt power module, delivering a professional high-powered, tour-class bass guitar amplifier weighing just over 7 lbs!

Our circuitry and mechanical designs within the **KINETIX™ 800** deliver an all-new platform in tube preamp, compact bass amplification design – exactly what players have come to expect from the **GENZLER®** design team. From natural, pristine, quick responsive reproduction of the bass instrument to classic, vintage harmonic textures with “weighted feel to the notes”, the **KINETIX™ 800** provides the tonal pallet needed to cover all of the bassist’s amplifier requirements. All of which is housed in an aircraft-grade, brushed aluminum chassis with a sleek custom extruded front panel.

Just as the name implies, the **KINETIX™ 800** was designed to be that responsive, kinetic connection of interactive energy between the player's expressiveness and the response coming back to them from the amplifier and speaker components – engaging with quickness and snap when pushed, or slow harmonic bloom when sustained.

It may help to think of the **KINETIX™ 800** bass amplifier as an extension of your tone ... in musical motion!

The **KINETIX™ 800** preamp offers 3 – 12AX7 preamp tubes running at a full 300 volts, offering the character, touch sensitivity and harmonic content of classic tube, bass amplification. Other features include a ¼" unbalanced instrument INPUT jack; 3 position toggle switch for MUTE, ON and BOOST functions; preamp GAIN and VOLUME controls; 3 position tonal foundation switch for LEAN, FAT and THICK settings; 5 band equalization filters with a passive center MID control and a MASTER volume control. The power amp is a robust, lightweight, Class D design and is supported by a state-of-the-art, high frequency, switch-mode power supply (SMPS), which does away with the weight of a traditional power transformer. The **KINETIX™ 800** utilizes a proprietary high-voltage power supply for the all tube preamp. This uses a rear panel Line Voltage Selector switch for proper setting of the correct line voltage range for the specific country of use. This allows the world traveling musician to always have the correct tube voltage for optimum performance.



FRONT PANEL

INPUT – The **KINETIX™ 800** is equipped with a standard ¼" unbalanced input. This input feeds directly to the first tube stage and has an input impedance of 1Meg ohms.

MUTE / ON / BOOST SWITCH – This switch selects between MUTE, ON, and BOOST functions.

MUTE – With this switch position, you can place the amplifier and DIRECT OUTPUT into MUTE mode between sets without having to change any of your amp settings. This feature can also be used in conjunction with the rear panel TUNER jack for silent tuning. A red LED indicates when the amp is in MUTE mode.

ON – This is the normal operating position that allows audio to pass through the preamp and power amp sections to the speaker (SPKR) outputs, HEADPHONES output and DIRECT OUTPUT.

BOOST – With this switch position, the input gain is increased by 8 dB over the normal (ON) position. This can be used to increase the input level for a lower output instrument or it can be used to provide increased drive, harmonic content and overdriven characteristics for all instruments depending upon the GAIN control settings.

GAIN – This control provides adjustment for the overall gain level of the 12AX7 tube preamp. When used in conjunction with the ON / BOOST switch positions it can provide a wide variety of harmonic content and complexity from clean to overdriven tones.

VOLUME – This control sets the volume of the preamp after the tube GAIN stages and EQ network but before the EFX LOOP and MASTER VOLUME control. Use this control in conjunction with the GAIN control to set your overall preamp level for your desired GAIN setting.

LEAN / FAT / THICK SWITCH – This switch selects between LEAN, FAT and THICK tonal foundations. These 3 settings provide a variety of initial foundational settings as a platform to build and shape the feel of your tone. Each position provides a different high pass filter (HPF) setting plus a unique low end response curve and can be used in conjunction with the BASS control for a variety of different situations and feels.

LEAN – This position sets the highest HPF of the 3 positions. This setting offers a gradual sloping roll-off and a very slight but broad boost centered around 95 Hz. This setting is ideal for boomy instruments, cabinets, or rooms; hollow stages; or if a more lean instrument tone is desired. “Lean is mean!”

FAT – This position sets the foundation with a medium, but steeper HPF slope along with a narrow boost at approx. 80 Hz. This setting might be considered the “go to” position for most situations as it provides a meaty “fat-finger” tone as well as a punchy kinetic response. “Fat is where it’s at!”

THICK – Set to this position, the HPF is at its lowest setting and steepest filter slope, with a lower boost starting at approx. 80 Hz that then rises gradually to its peak at 50 Hz. This setting is big and thunderous with a thick, solid, deep foundation for building your tone and is primarily intended to enhance the feel at low to moderate volume levels or for use with thinner sounding instruments or cabinets. Under these situations, “Thick is the trick!”

NOTE – this setting may be more subtle with smaller sized cabinets.

EQUALIZATION FILTERS – The **KINETIX™ 800** contains an all tube driven EQ section. Spend some time experimenting so that the process becomes creative as well as corrective. Your ears are the best tools in this process.

BASS – +/-13dB boost/cut shelving curve with a corner frequency of 70 Hz. Boosting this control can add more bigness, punch or warmth to the low end. Cutting this control can help clean up or lean out the low end. When used in conjunction with the LEAN/FAT/THICK switch a variety of low frequency tones and feels can be achieved.

LO-MID – +/-10dB boost/cut at 250 Hz. Boosting this control can add more punch, growl, or bark to the tone. Cutting this control can mellow or smooth out the tone.

MID – +6dB boost/-11dB cut at 575 Hz. Boosting this control can bring out more of the harmonic content and grit of the tone. Cutting this control can mellow or smooth out the midrange and when used in conjunction with the LO-MID and /or HI-MID controls can provide a variety of slap tones.

HI-MID – +/-11dB boost/cut at 2.3 KHz. Boosting this control can add more presence or bite to a duller sounding instrument or cabinet. Cutting this control can help tame a harsh or clanky sounding instrument or cabinet.

TREBLE – +/-13dB boost/cut shelving curve with a corner frequency of 5 KHz. Boosting this control can add clarity, presence, brightness, and air to the tone. Cutting this control can mellow out the top end and make the tone warmer, smoother or even dark.

MASTER – This control adjusts the overall volume of the amplifier and also adjusts the input level of the EFX LOOP RECEIVE and AUX IN jacks. Typically, the best results are obtained when this control is operated between the 9:00 and 3:00 positions.

MASTER STATUS LEDS

STBY (RED) – Indicates that the amp is in either “standby” or “protect” mode. The STBY (RED) LED will illuminate during power turn-on and will stay illuminated for several seconds (13-15 sec) as the preamp tubes’ power supply and heaters energize and become stable for full operation. This is normal. It will also illuminate temporarily to indicate “protect” mode during any fault condition such as overheating or a short on the speaker outputs. If the STBY LED remains RED continuously, turn the amp off and consult a repair technician.

OPER (BLUE) – Indicates that the amplifier is ON and ready to operate.



REAR PANEL

POWER INLET CONNECTOR AND POWER SWITCH – The *KINETIX™ 800* utilizes a rear panel power switch and power inlet connector. Use the correct mains IEC power cord required for the country where the amp is to be used.

LINE VOLTAGE SELECTOR – !! IMPORTANT !!

This switch MUST BE SET to the correct voltage for the country of use before the amplifier is turned on. This sets the correct voltage for the high voltage tube supply. For 100-120VAC line voltage this switch should be set to the 115 position. For 220-240VAC line voltage this switch should be set to the 230 position.

CAUTION – If this switch is accidentally set to the incorrect setting for the line voltage that is applied, the output of the amplifier will be severely impacted and distorted. If this occurs, the amp should be shut off and the LINE VOLTAGE SELECTOR switch checked for the correct setting. NOTE – Running the amp in the incorrect voltage position WILL NOT damage the amplifier but should be recognized immediately and corrected when experienced.

POWER SUPPLIES AND POWER AMP – The *KINETIX™ 800* uses a state of the art, class D power amplifier design and a high frequency auto-sensing universal switch-mode power supply (SMPS) to achieve unprecedented high performance and lightweight packaging. This SMPS senses the line voltage from 100-240 Volts and automatically configures itself. However, the rear panel LINE VOLTAGE SELECTOR switch for the high voltage tube supply still needs to be set to the correct position for the line voltage that is applied. Please see **LINE VOLTAGE SELECTOR** section above.

NOTE – There is no externally accessible AC mains (line) fuse. The internal fuse is integral to the SMPS power supply and is not user serviceable. This fuse will not fail except under very unlikely fault conditions to the SMPS, and if this occurs a qualified service technician is required to correct the problem.

SPEAKER OUTPUTS – The *KINETIX™ 800* provides two Neutrik Speak-On™ connectors (wired 1+/1-). The speaker jacks are paralleled. The minimum speaker load is 2.67 ohms. **Do not ground either the “+” or the “-” outputs.**

IMPEDANCE SELECTOR SWITCH – The design of the *KINETIX™ 800* incorporates a robust power section along with exceptional thermal management such that it can operate down to 2.67 ohms. This allows the use of three 8 ohm speaker cabinets or one 4 ohm + one 8 ohm speaker cabinet.

IMPORTANT – The **IMPEDANCE SELECTOR SWITCH** position must match the total speaker impedance used.

IMPEDANCE OPTIONS:

- 8/4 ohm selection: 1 x 8 ohm cabinet or 2 x 8 ohm cabinets or 1 x 4 ohm cabinet.
- 2.67 ohm selection: 3 x 8 ohm cabinets, or 1 x 8 ohm AND 1 x 4 ohm cabinets.

AUX IN – A 1/4” stereo line level auxiliary input is provided that sums directly to the main output bus controlled by the master volume control. This input is ideal for practicing with recorded tracks from a phone, computer, or other audio player. This input is a tip-ring-sleeve type jack with built-in summing resistors that sum left and right signals when used with a stereo cable. This input will also work with a mono tip-sleeve plug. Adjust the level of the playback source to balance with the instrument’s volume.

HEAD PHONES – A 1/4” TRS jack is provided for connection to headphones for silent practice use. A speaker load is not required. Do not connect this output to anything but headphones.

EFX LOOP – A rear panel effects loop (SEND and RECEIVE jacks) is provided for connecting “serial” outboard devices such as compressors and may also be used for parallel type outboard devices (delays, reverbs, harmonizers, octavers etc.) by using the mix control located on the outboard device. This loop is located right before the MASTER volume control and is also intended as a Preamp Out / Power Amp In connection for possible “chaining” of amplifiers in a Master / Slave configuration. The effects loop contains a “normal switch” in the RECEIVE jack that interrupts the signal path when a plug is inserted into the RECEIVE jack. The SEND jack may be used for an aux. output without breaking the signal path.

TUNER – The *KINETIX™ 800* is equipped with a fully isolated tuner output. The signal source is feed directly from the INPUT jack, through a buffer stage, and then to the TUNER jack. This output may also be used to drive a separate direct box or high impedance recording device. The TUNER OUT remains active when the amplifier is muted, allowing for silent tuning on stage.

DIRECT OUTPUT – An XLR balanced direct output is provided for connection to a PA system or directly into a recording studio console or A/D converter. The DIRECT OUTPUT signal may be switched between mic and line level, pre and post EQ, and the audio signal ground may be connected or lifted from pin 1 to eliminate hum due to ground loops. This output is fully protected against 48-volt phantom power and may be used for driving microphone lines of up to 300 feet without problems.

FAN COOLING – The chassis is cooled via a thermal sensing fan design. The fan is normally ON and will increase in speed as power demand on the amp increases. **Do not obstruct the left or right chassis vents.**

CHASSIS DESIGN – The *KINETIX™ 800* utilizes the highest quality aircraft grade, computer machined, aluminum chassis. To clean the amplifier, nothing more than a damp cloth and a little bit of glass cleaner (like Glass Plus®) should be used.

INTERNAL TUBE SELECTION – We’ve chosen 3 premium, select grade, 12AX7 preamp tubes as stock for the **KINETIX™ 800**. Certainly, personal choice of different preamp tubes is something the player can experiment with if desired. The tubes are accessed by removing the top panel and easily removing them from their PCB mounted sockets. You’ll notice a soft rubber cushion attached to the top panel that holds and centers the tube “nipple” in place.

GIG-BAG – A custom padded carry bag with shoulder strap is available as an optional accessory. This padded bag is ideal for convenient carrying of the amplifier. Do not operate the amplifier inside the carry bag, as the chassis’ aluminum construction and cooling fan inlet vents are part of the amplifier’s cooling mechanism.



SPECIFICATIONS:

KINETIX™ 800

Rated Power: 400W/8ohms; 800W/4ohms; 800W/2.67 ohms.

Minimum Impedance: 2.67 ohms

Dimensions: 3.25”H X 11.25” W X 11.375” D

Weight: 7.20 LBS

Product Type:	Audio Amplifier
Product Name:	KINETIX™ 800
Model Number:	KNX-800 (all versions)
Operating Power Condition:	100~120V / 220~240V, 50/60 Hz
Effective Date:	3/1/2024

SAFE OPERATING REQUIREMENTS:

- Never set an amplifier on anything that will tip over or collapse under its weight.
- Provide a minimum distance of 1 inch (25.4mm) around all sides of the amplifier for sufficient ventilation. The ventilation should not be impeded by covering the amplifier’s vent openings with items such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the **KINETIX™ 800** amplifier.
- This amplifier should not be exposed to dripping or splashing and no objects filled with liquids, such as vases or drinks, should be placed on this product.
- The **KINETIX™ 800** amplifier should be connected to a mains outlet (power receptacle) with a protective earth (ground) connection at all times.
- The amplifier’s mains plug (power plug) is considered the disconnect device and the connection must remain accessible at all times.
- This amplifier is capable of producing sound pressure levels that may cause hearing loss.
- There are no user serviceable parts and hazardous operating voltages are present inside this unit. Always consult a qualified repair facility for service.

WARNING!

- The use and operation of this device constitutes an agreement of full release of any and all liability connected with its use. Only persons familiar with the operation of high-powered professional audio equipment should attempt to operate this device.
- In addition, by use of this device, the user agrees to hold **GENZLER® AMPLIFICATION** and its designers, sales agents and all other affiliates and related parties harmless in the event of any accident, injury, damage, or loss resulting from such use.
- Manufacturer's sole responsibility is to provide a warranty on the specified performance of the product under normal operating conditions for a period of 3 years.

COMPLIANCE STATEMENT:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at their own expense. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the equipment.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

WARRANTY:

- **GENZLER® AMPLIFICATION** warrants the model **KINETIX™ 800** to be free from defects in materials and workmanship for a period of 3 years from the date of purchase when purchased from an authorized **GENZLER® AMPLIFICATION** dealer.
- This warranty does not cover normal wear and tear incurred from the normal designed use of the product.
- This warranty is effective only if a copy of the original sales receipt is presented at the time of warranty service.
- All warranty service must be performed by a **GENZLER® AMPLIFICATION** authorized service center.
- Before returning any unit for service, a returned merchandise authorization number (RMA#) must be obtained by emailing: support@genzleramps.com
- This warranty is valid in the US & Canada only. For all products sold outside the USA, warranty is handled through our international dealer or distributor for each country. All warranty registration should be completed on our website. For complete warranty information visit: www.GENZLERAMPLIFICATION.com

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