

Trace Elliot® TE 1200

Bass Instrument Amplifier



Owner's Manual



FCC Compliancy Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, that may cause undesired operation.

Warning: Changes or modifications to the equipment not approved by Peavey Electronics Corp. can void the user's authority to use the equipment.

Note - This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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 and correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- 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 radio/TV technician for help.

CAN ICES-3(B)/NMB/3(B)



Trace Elliot • Hwy. 5022 Hwy. 493 North • Meridian, MS 39305
Tel: (601) 486-2255 • Fax: (601) 486-1156 • www.traceelliot.us

TRACE ELLIOT® TE™ 1200

Congratulations on your purchase of the all-new Trace Elliot TE™ 1200 bass amp head!

FEATURES:

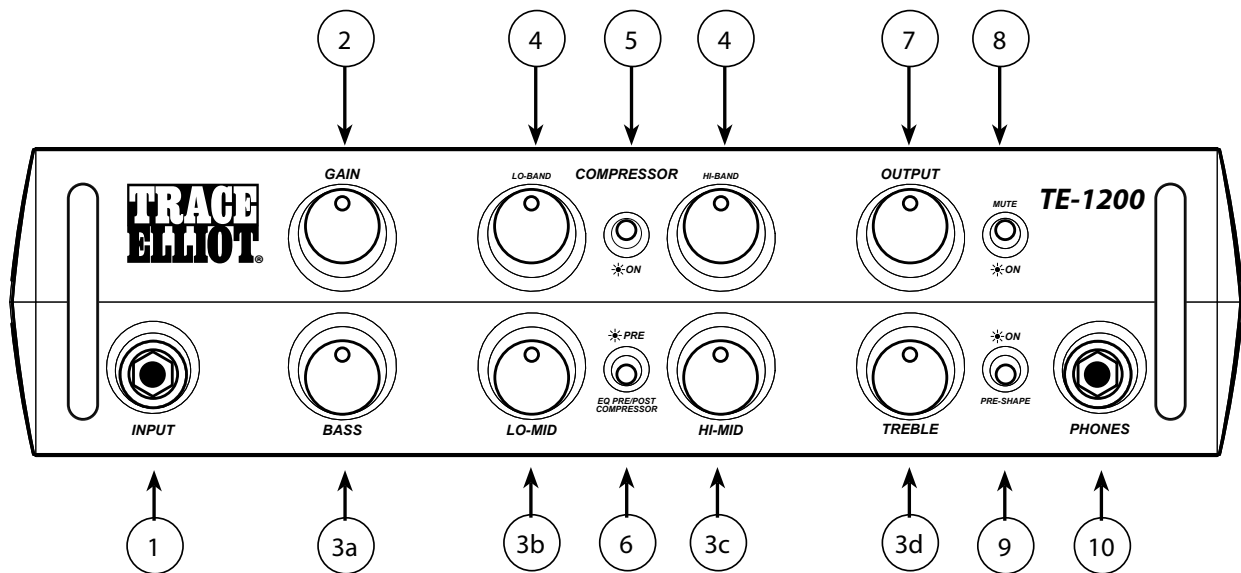
- Gain control
- 1200 bone-rattling watts of true RMS power!
- Built-in Lo-Band/ Hi-Band Compressors with defeat switch (footswitchable)
- Pre-shape switch for the classic Trace Elliot EQ curve (footswitchable)
- 4 band equalisation
- EQ Pre/Post Compressor switch
- Mute/Tune switch (footswitchable)
- Input Gain and Output Level controls
- Pre and Post balanced XLR outputs with Ground Lift
- Headphone output
- Dimensions 12.0"W x 12.0"D x 3.62"H (305mm x 305mm x 91.9mm)
- Weight: 11.5 lbs (5.22 kg)
- * Four button MIDI footswitch with 25' cable included
- * Padded gig bag included
- *Optional 1.5U rackmount kit included
- *Noiseless buffered effects loop with level switch (footswitchable)
- *Preamp Output / Power Amp Input 1V(rms) master/slave loop
- *Buffered 1/4" tuner/dry feed jack
- *MIDI In and Out jacks
- *USB Recording Output/Interface
- *Dual Neutrik combination Speakon/phone speaker output jacks
- *4 Ohm minimum load
- *Worldwide AC voltage selector

Caution: Please look over this guide and read any caution or warning statements found within. Following these warnings is crucial to your personal safety and the safety of your Trace Elliot product. Additional safety warnings are located on the bottom of the unit.



VENTILATION: For proper ventilation, allow 12" clearance from the nearest combustible surface. All vents should have a minimum of 2" of free air space so air can flow thru the unit freely for proper cooling.

Top Panel



(1) INPUT JACK

This is the input to the amplifier preamp. The impedance is very high to allow wide frequency response and dynamic range without loading the source.

(2) GAIN

This control sets the gain of the preamp's input stage to compensate for various instruments and gain levels.

(3) BASS, LO-MID, HI-MID, TREBLE EQUALISATION

These are active controls that adjust four separate equalization bands to customize the tone. The center frequencies are as follows:

- a. BASS 70 Hz
- b. LOW MID 600 Hz
- c. HIGH MID 2KHz
- d. TREBLE 5KHz

(4) LO-BAND/ HI BAND COMPRESSORS

The audio signal is divided into two bands. Each band has a separate compressor with an adjustable threshold. A full clockwise setting provides the most compression.

(5) COMPRESSOR ACTIVE

This switch activates the compressor functions for both low and high bands. It illuminates when active. This function is also available on the footswitch.

(6) EQ PRE/POST COMPRESSOR

The default position of the compressor is before equalization. When the switch is pressed, the compressor is moved to a point after equalization, and the switch lights. The compressor will have a different action after the equalization since the tone controls will now affect it.

(7) OUTPUT

This is the master volume control for the amplifier.

(8) MUTE

Mutes the preamp output. The power amp direct input on the rear panel is not muted. Mute is also available on the footswitch.

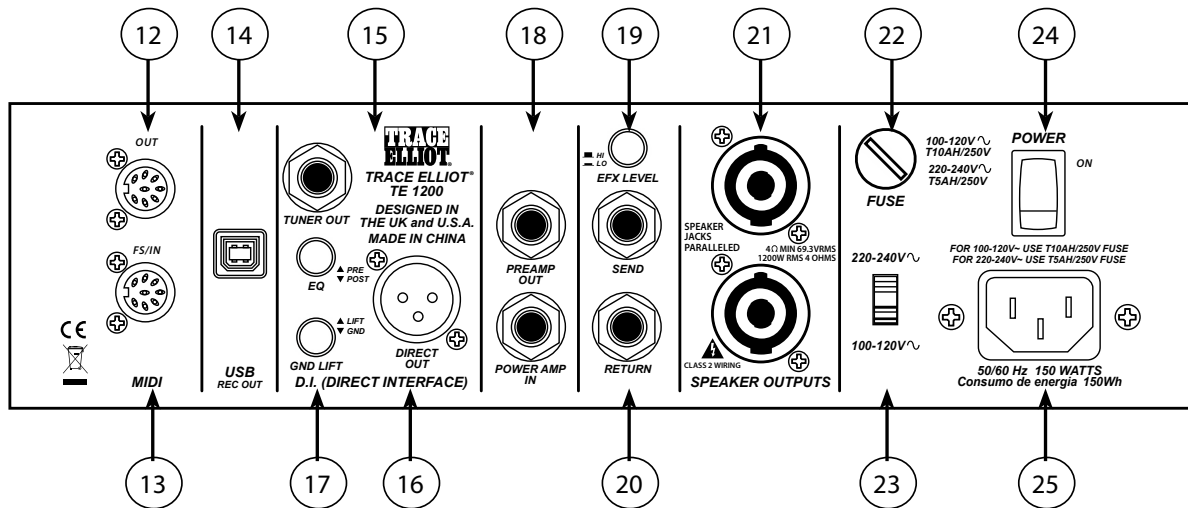
(9) PRE-SHAPE

The pre-shape switch introduces the distinctive Trace Elliot “Pre Shape 1” curve into the signal path. This function is also available on the footswitch.

(10) HEADPHONES

A ¼” headphone output from the pre-amp is available for silent practice. When a jack is inserted, the signal to the power amp is automatically disconnected.

Rear Panel



(12) MIDI OUT

When functions are toggled from the front panel or footswitch, the corresponding MIDI information is transmitted from this jack to synchronize the function with a slave TE1200. The connection is made from this jack to the slave's Footswitch jack with a standard 5-pin MIDI cable. (The 8-pin Footswitch jack will accept the 5-pin cable.)

NOTE: The master unit will generate controller messages for this synchronization. It will also act as a MIDI THRU for program change and controller messages on any channel meant for other devices, but not ALL messages. Put the TE1200 last in line if other units in your MIDI chain need sysex and/or other MIDI messages.

(13) Footswitch

Connect the TE1200 4-button footswitch here for parallel control of the front panel switch functions. The 8-pin cable must be used with the footswitch to provide power and bi-directional data. This jack also functions as a standard MIDI input using a 5-pin cable. This allows you to control the TE1200 with other MIDI sources (MIDI automation, another type of footcontroller, or a master TE1200). It will respond to the controller messages shown below - on MIDI channel 1. Data values from 0-63 (0-0x3F in hexadecimal) will be considered OFF, while 64-127 (0x40-0x7F in hexadecimal) will be considered ON.

- 01: Effects Loop (e.g. B0 01 00 for off ... B0 01 7F for on)
- 02: Pre-Shape
- 03: Compressor
- 04: Mute
- 05: EQ pre-Compressor

(14) USB RECORD OUT

This is provided for connection to a computer or a digital audio workstation for recording. It is the preamp master out signal which includes all preamp functions. There is no input capability.

(15) TUNER OUT

A direct send from the input circuitry for a tuner. It is not processed and is fully buffered. It remains active even when the amp is muted - for silent tuning.

(16) DIRECT OUT (DI)

This is a balanced output to send to a mix console or analog recording device. It has a switch that selects whether the output is before or after the EQ.

(17) GROUND LIFT

This disconnects the ground connection from Pin1 on the DIRECT OUTPUT connector. Usually it should be left in the GND position, but in certain circumstances hum is produced when connecting to another device due to grounding differences. Lifting the ground connection should eliminate the problem.

(18) PREAMP OUT/POWER AMP IN

The preamp out is the signal coming from the front panel. The power amp input is a direct connection to the power amplifier. An external processor or volume pedal can be inserted between the preamp and the power amp if needed. Inserting a jack into the preamp output disconnects the power amp input; inserting a jack into the power amp input also disconnects the preamp from the power amp. To use the TE1200 as a power amplifier only, apply the signal to the power amp input. This loop is after the OUTPUT Level knob.

(19) EFX LEVEL

Some effect units are designed for lower input levels. When pressed, this switch lowers levels to prevent distortion.

(20) EFX SEND/RETURN

These two connectors are provided for patching an external effects processor (delay, chorus etc.) in series with the preamp signal. The signal level is set by the EFX level switch. The effects loop can be turned on and off with the footswitch. This loop is before the OUTPUT Level knob.

(21) SPEAKER OUTPUT CONNECTORS

This is the amplifier output, with two paralleled connectors. These connect to the speaker cabinets. The minimum load for the amplifier is 4 Ohms. This can be a single 4 Ohm cabinet, two 8 Ohm cabinets, or any combination of cabinets whose parallel combination is greater than 4 Ohms, total. The output is a bridged signal – both lines are driven. Do not ground either one or the unit will shut down and damage may occur. There can be high peak voltages on these connectors.

(22) FUSE

Use only the properly rated fuse for your line voltage.



(23) VOLTAGE SELECTOR SWITCH



Set this to your local mains voltage. An incorrect setting can damage the unit. The fuse's rating must match the mains voltage setting.



(24) POWER

Applies power to the unit.

(25) MAINS INPUT



This is the receptacle for an IEC line cord, which provides AC power to the unit. Connect the line cord to this connector to provide power to the unit. Make sure the voltage setting and fuse are correct before turning on the unit.



Never break off the ground pin on any equipment. It is provided for your safety. If the outlet used does not have a ground pin, a suitable grounding adapter should be used, and the third wire should be grounded properly. To prevent the risk of shock or fire hazard, always make sure that the amplifier and all associated equipment is properly grounded.



Specifications

Weight:

11.5 lbs (5.22 kg)

Dimensions (H x W x D):

12.0"W x 12.0"D x 3.62"H
(305mm x 305mm x 91.9mm)

Mains Voltage:

120 VAC 50/60 Hz, Fuse = T10AL/250V
220-240 VAC 50/60 Hz, Fuse = T5AL/250V

Protection:

Over temperature
Over current
Clip limiting
Short circuit
DC output

Power Output (THD+N 1%)

Minimum load = 4 ohms
Bridged output
RMS Power, 4 Ohm load 1100W
RMS Power, 8 Ohm load 835W

Nominal Input Sensitivity:

All EQ controls at 12:00, Compressors off, Shape off
Gain at 12:00 = 1.4VRMS
Gain Control Max, = 70mV RMS

Input Impedance:

>10 Meg Ohms

EQ:

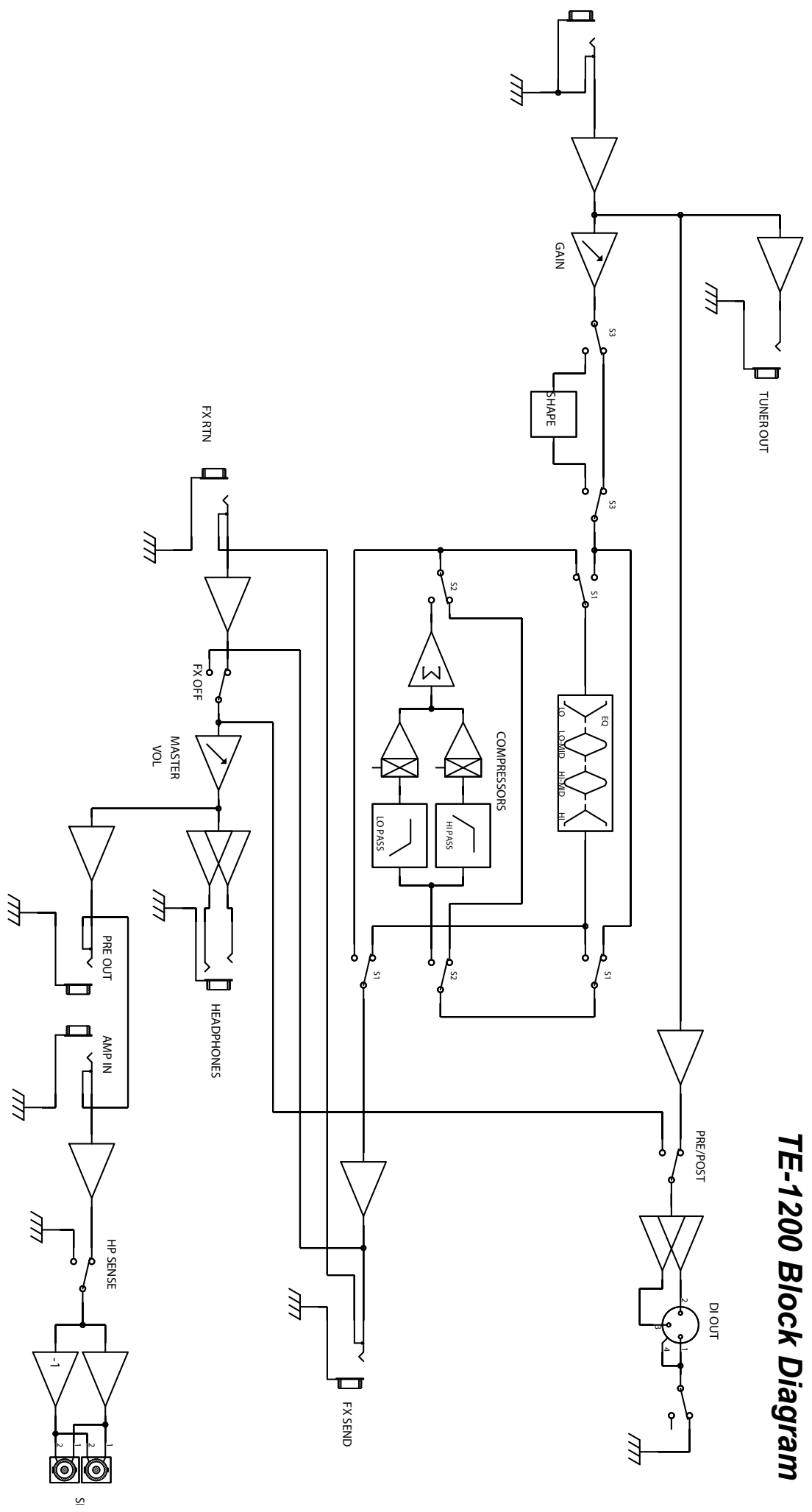
LOW 70 Hz
LOW MID 600 Hz
HIGH MID 2KHz
HIGH 5KHz

Direct Output:

Balanced
Pin 1 = GND
Pin 2 = +Signal
Pin 3 = -Signal
Switchable pre/post EQ
Gnd lift switch.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

TE-1200 Block Diagram



Warranty registration and information for U.S. customers available online at
www.traceelliot.com/warranty
or use the QR tag below





Features and specifications are subject to change without notice.

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