

U000 series amplifier (U004)

Gavrosh 10H

Tube guitar amplifier



User manual

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9. GUARANTEE

Warranty period 12 months from the date of purchase.
 During the warranty period, the owner is entitled to a free repair.
 Caution: In the absence of the warranty card and the receipt of purchase the warranty period will be calculated from the date of manufacture of the product.

Warranty does not cover:
 - Products that have mechanical damage;
 - Violation of the consumer operating conditions;
 - In the case of self-repair or modify.
 * The valves included with the product are a consumable product and the warranty on them is for 1 month from the date of receipt of the product.

Tube guitar amp
 Gavrosh 10H _____
 Ser. Number _____

Date of manufacture _____

(Filled by the manufacturer)
 Tube guitar amp Gavrosh 10H _____
 Ser. Number _____
 Release Date _____
 TCI representative _____

 (Fill-trading company)
 Sale Date _____
 Seller _____
 Stamp shop _____

7. TECHNICAL SPECIFICATIONS

Input impedance, MOhm.....	1
Output wattage, W.....	2/10
Power supply, 50/60 Hz, V.....	230±23
Power consumption, W.....	.80
Size, mm.....	375 x223x235
Weight, net, kg.....	8,5
Tubes.....	3x12AX7/ECC83, 1x12AT7/ECC81, 2xEL84

8. CONTENTS OF THE PACKAGE

Gavrosh 10H guitar amp	1
Power cord.....	1
Cabinet connection cable.....	1
FS-10 footswitch.....	1
Spare T1A fuse (power input compartment).....	1
User's manual.....	1

1. PRECAUTIONS

- Do not store and/or use this apparatus in HIGHLY HUMID CONDITIONS.
- After storage/transportation in case of low temperature please let the equipment warm up to room temperature for 2 hours at least.
- Do not expose this apparatus to direct sunlight. Do not locate it close to heating devices.
- Please be sure that the power outlet you're going to connect your device to is earthed. Voltage should be the same as it is mentioned in the user's manual.
- In case of fire disconnect the power cord of the amp immediately.
- Complete all the connections when the amp is turned off.
- Before changing the vacuum tubes, disconnect the amp from the power outlet.
- Avoid touching the tubes during operation.
- Protect the equipment from falling, impacts and letting any obstacles, dirt, liquids or precipitations inside the amp.
- Using the amp please be sure to provide enough ventilation for it.
- Do not use solvent liquids for cleaning the casing. Use a clean dry cloth.
- If you're not going to use the amp for a long time, please disconnect it from the power outlet.

2. GENERAL INFO

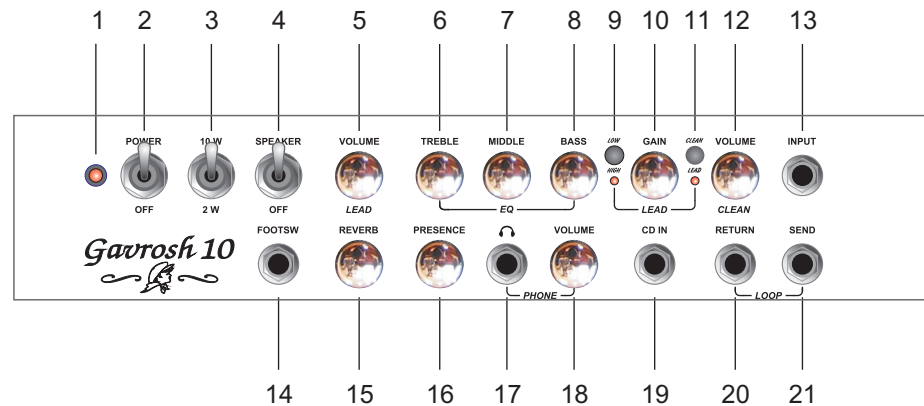
Gavrosh 10H is a multipurpose 2-channel tube guitar amplifier both for in-home playing and rehearsals. It is built regarding its use in heavy genres of music. CLEAN channel has a VOLUME knob, tweaking it you can go from clean to crunchy tone. LEAD channel therefore has GAIN and VOLUME controls and a LOW/HIGH modes button switch. You can easily obtain a light overdrive sound as well as a powerful hi-gain distortion with a perfect clarity even when using a low-tuned guitar. Channels can be switched using buttons on the front panel of the amp or with a FOOTSWITCH pedal (using that be sure that the channel select button on the front panel is depressed). The amplifier has a three-band EQ for both channels with BASS, MIDDLE, TREBLE and PRESENCE controls.

The amp is equipped with a CD-input and, an effects loop (SEND/RETURN) and a studio-quality digital reverb.

The amp has two modes with different output of 2 or 10 W therefore letting to connect either a 4 or 8 Ohm cabinets.

There is also a headphone output connected to the speaker output of the amp with a speaker simulator, that allows to obtain an amp with a 4 x 12 cab sound when playing through headphones. To be noted that the preamp overdrive is mixed with a power amp overdrive. By the way, the power amp can be running in a “quiet” mode, using inner load, when the SPEAKER switch is turned to “off” position.

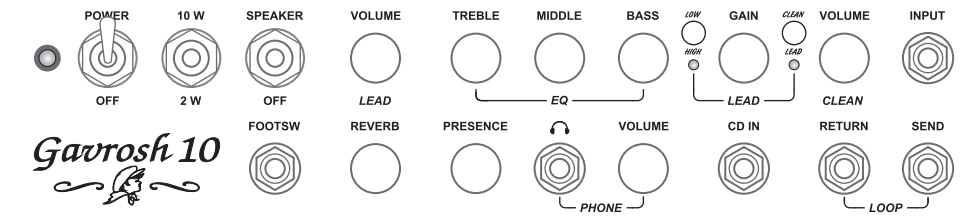
Front panel



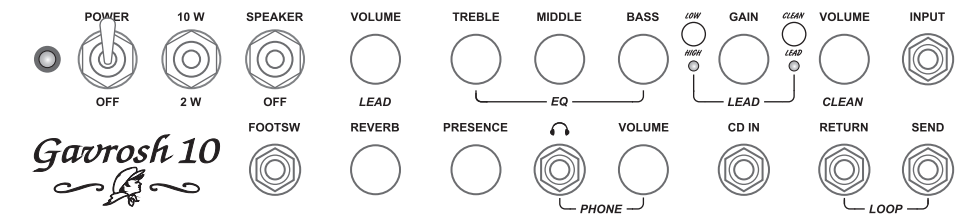
- 1 - LED power indicator
- 2 - POWER – power switch
- 3 - 10W/2W – power output selector
- 4 - SPEAKER – speaker on/off switch
- 5 - VOLUME – LEAD channel volume control

6. USER PREFERENCES

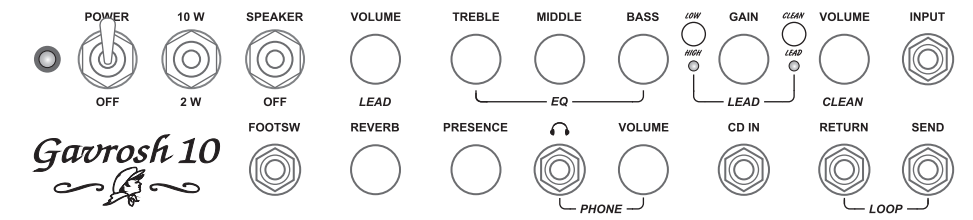
Preset: _____



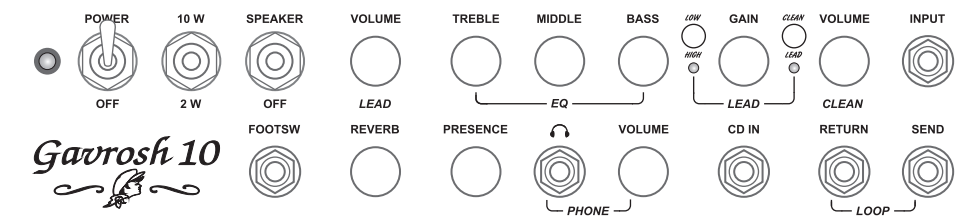
Preset: _____



Preset: _____



Preset: _____



4. POWER ON

Run the amp through a 4 or 8 Ohm cabinet.

Connect the included power cord to the power cord input located on the rear panel and to an earthed power outlet socket.

Connect an FS-10 footswitch to an appropriate FOOTSWITCH input located on the front panel of the amplifier to switch between channels. The Clean/Lead switch button located on the front panel should be depressed to use this function.

Connect your guitar to the guitar input on the front panel.

Turn on the power using the POWER switch. When the power is on, a green LED located next to the power switch will light green. You should wait about 30 seconds before playing to let the tubes warm up. After that, flick the SPEAKER switch to the upper position. The amp is now ready to use.

To turn off the amp first flick the SPEAKER switch to the OFF position, then turn off the power using the POWER switch.

Attention! Using the amp with the SPEAKER cable unplugged and SPEAKER switch in the ON position is strictly prohibited!

5. POSSIBLE MALFUNCTIONS

In some cases you can face such problems as tubes' hum, microphonic effect and an inner short circuit of the tube. All the tubes have a limited lifetime. In case of malfunction do not hurry to call a specialist. Sometimes the mentioned problems can be solved quickly and it is usually enough to change a tube. If the tubes' hum gets too loud you can easily discover which tube is damaged slightly tapping the tubes. Once you discover a tube that is changing the character of the hum while tapping it, be sure that this lamp is damaged and should be replaced. Withal you should keep in mind that some microphonic effect takes place after tapping the 12AX7/ECC83 tubes, and it is not to be considered like a malfunction.

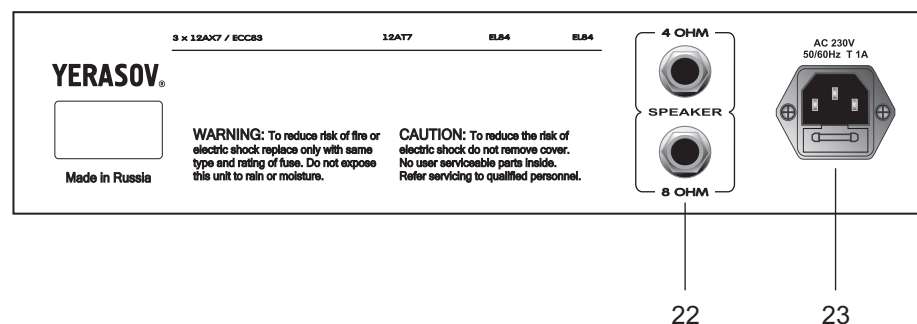
If a 12AX7/ECC83 tube is damaged, a constant microphonic effect could appear. The easiest way to solve this problem is replacing a malfunctioning tube with a new one. Sometimes swapping the tubes is enough.

If one of the EL84 lamps is damaged, it is highly recommended to change a pair at once. Replace the tubes only with a matched pair.

After cooling down you should unplug the amp from the power socket. Then take out the tube slightly rocking it from side to side. New lamps should be installed accordingly. Turning on power of the amp can lead to the amp's damage.

- 6 - TREBLE – high frequencies amount control
- 7 - MIDDLE – middle frequencies amount control
- 8 - BASS – low frequencies amount control
- 9 - HIGH/LOW gain switch
- 10 - GAIN – LEAD channel input sensitivity control
- 11 - CLEAN/LEAD switch button
- 12 - VOLUME – CLEAN channel volume control
- 13 - INPUT – guitar input
- 14 - FOOTSW – input for FOOTSWITCH connection
- 15 - REVERB – reverberation amount control
- 16 - PRESENCE – power amp's high frequencies compensation amount
- 17 - Headphone output
- 18 - VOLUME – headphones volume control
- 19 - CD IN – playback device input
- 20 - RETURN – input to plug an external effects processor in
- 21 - SEND – output to run to an external effects processor

Rear panel



- 22 - SPEAKER – speaker output with 4 or 8 Ohm impedance
- 23 - Power cord input. A main and a spare fuse included.

3. AMP'S BLOCK DIAGRAM

