

PRECAUTIONS

- Amplifier produces high volume levels. Staying in places of high volume levels could cause permanent hearing loss.
- Do not use the amplifier in humid and dusty places.
- Do not operate the amplifier through the unearthing socket.
- Do not leave the amplifier in the vicinity of children.
- Do not use the amplifier with broken power outlet or improper power cord.
- Do not install nor use the amplifier near any heat sources, in case of overheating the amplifier turns off and will return to work after cooling the unit. Do not cover the vent holes!
- In order to ensure proper air circulation, do not block any of the ventilation openings.
- Never put any liquid containers near the amplifier.
- In case of any objects or liquid access inside the amplifier, urgently switch the apparatus off and unplug the power supply cord.
- Protect the amplifier from any strikes.
- ATTENTION: To reduce the risk of electrical shock, do not remove the back cover of the amplifier. Inside parts can be repaired only by qualified service personnel.
- WARNING: To prevent the risk of electrical shock do not expose this appliance to moisture, rain or any liquid.



Disposal of old Electrical & Electronic Equipment (Applicable throughout the European Union and other European countries with separate collection programs)

This symbol, found on your product or on its packaging, indicates that this product should not be treated as household waste when you wish to dispose of it. Instead, it should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate disposal of this product. The recycling of materials will help to conserve natural resources. For more detailed information about the recycling of this product, please contact your local city office, household waste disposal service or the retail store where you purchased this product.



RoHS

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Amplification
Taurus

BASS GUITAR AMPLIFIER OWNER'S MANUAL



Vandal-500



DESIGNED BY MUSICIANS FOR MUSICIANS



The Taurus Vandall-500 is a 500W/RMS bass head with a double input, including both solid state and tube pre-amps.

The solid state pre-amp ensures great dynamic while the tube pre-amp provides a warm, soft sound.

Both pre-amps can be steplessly mixed to offer the whole spectrum of desired sounds, from crisp and clear to slightly over driven tube.

The Taurus Vandall-500 is equipped with the very effective and easy to operate MLO tone control system designed to find the right sound quickly.

Tone setting characteristics are designed to reveal the real character of the particular instrument, meeting its both technical and musical parameters.

Extra precise control over middle range is effected by a parametric equalizer and pre-amp filters switches.

Even though the amplifier is operating in very low frequencies, the bass sound is still impressively selective.

The Taurus Vandall-500 is powered by outstandingly efficient high energy (SMPS) Switching Mode Power Supply which ensures extremely high dynamics and power in a light weight and compact amp dimensions.

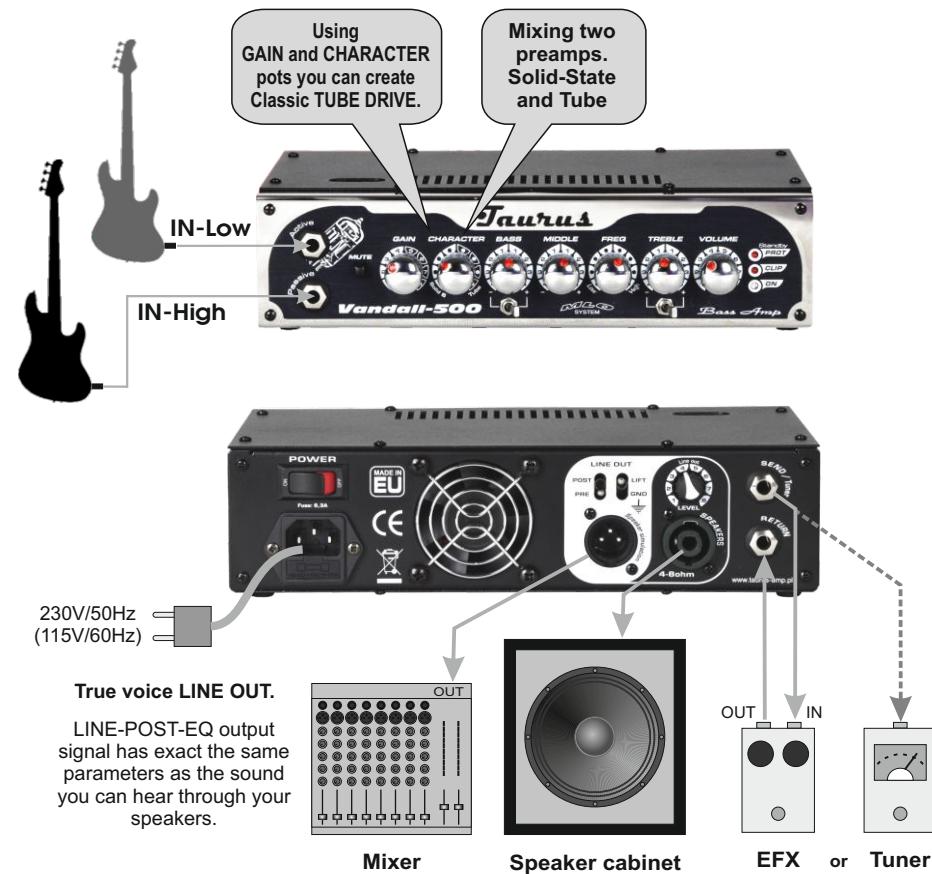
MLO - SYSTEM *Middle-range Level Optimization*

The "MLO" (Mid Level Optimization) is Taurus proprietary system allowing for an easy, intuitive and extremely comfortable optimization of the overall sound of the bass guitar.

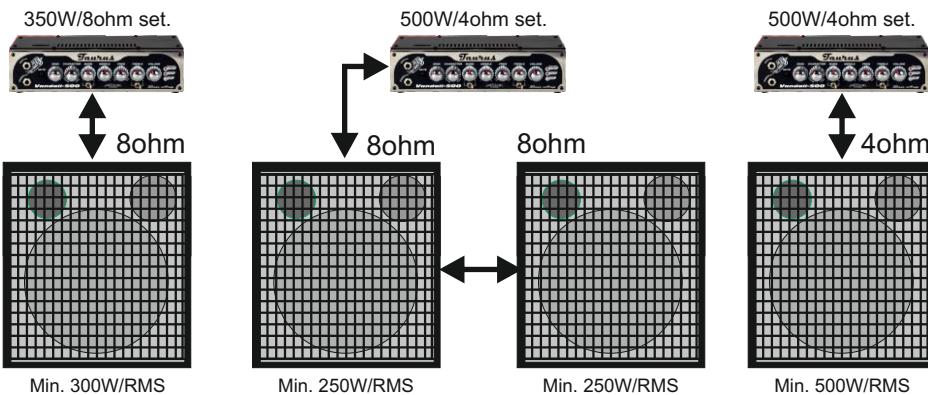
The MLO System provides all new possibilities. It ensures most accurate proportion of medium frequencies in accordance of your manual settings of bass and trebles. This very intuitive and logical system supports musician's choice for most desirable sound.

In addition, the MLO equalizer ensures virtually no change in overall volume while changing the bass frequencies. Unlike most of the standard amps, adjusting bass frequency the musician notices change of the sound not the volume.

7 EXTERNAL DEVICES CONNECTION

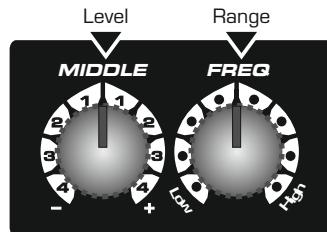


8 HEAD AND SPEAKER CABINETS CONFIGURATION

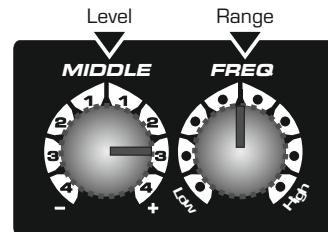


PARAMETRIC EQUALIZER

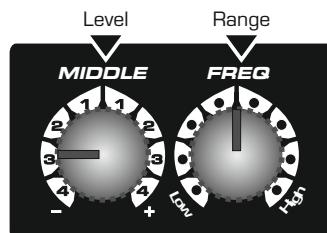
PARAMETRIC EQUALIZER is composed of 2 controllers: MIDDLE and FREQUENCY. LEVEL controller is designed for mid tones adjusting, FREQUENCY controller adjusts appropriate mid tones range. MIDDLE controller decides whether we want to amplify or cut out selected tone range. Setting MIDDLE controller in middle position will cause that the EQUALIZER does not make any changes. Available tone color adjustment range is set between 250Hz and 1.5kHz. The EQUALIZER operation is illustrated below.



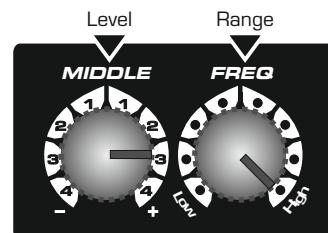
1. Natural position
EQ does not make any changes.



2. Equalizer boosts
600Hz tone range.



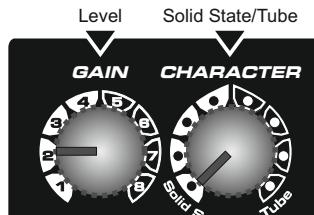
3. Equalizer cuts out
600Hz tone range.



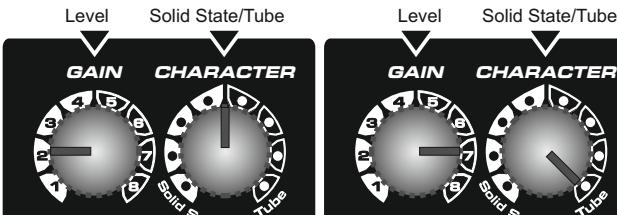
4. Equalizer boosts
1.5kHz tone range.

GAIN and CHARACTER controls

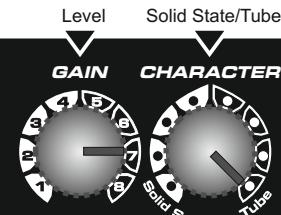
By using CHARACTER controller you can change the tone character balancing between solid-state and tube section. Setting CHARACTER potentiometer in MIN position assures dynamic and hard tone provided by SS pre-amplifier. In TUBE position you will obtain characteristic warm and soft tone provided by tube. Depending on the CHARACTER controller status the tone color of both channels is mixed together. If you want to get a little bit dirty and compressed sound that is provided by tube pre-amplifier, you need to boost input sensitivity with use of GAIN controller. On the GAIN and CHARACTER controllers' scale, the range you can obtain DRIVE typical for the tube, is marked with black colour. If you want to set hard DRIVE, just increase GAIN controller while setting CHARACTER position on right.



1. Dynamic sound of
solid-state preamp.



2. Mixed sound with two preamps
SOLID-STATE and TUBE.



3. High compression and DRIVE
of the tube preamp.

SPECIFICATIONS

- **Power output:** 500W RMS / 4ohm , 300W RMS / 8ohm.
- **2 preamps** / tube and transistors.
- **Inputs:** passive & active.

■ Input Controls:

- **GAIN**
- **CHARACTER** fluent signal adjustment of the input between two sections of the amplifier - tubes and transistors.

■ Tone:

- **BASS** and **TREBLE** equalizer with "MLO-system".
- **Triple BASS-switch** to reduce or boost low frequency (DBS-cut/OFF/DBS-boost).
- **Triple TREBLE-switch** to reduce or boost high frequency (CUT/OFF/PRESENCE).
- **PARAMETRIC EQUALIZER** for precise control of middle range (250Hz-1.5kHz +/-12dB).

■ MLO EQ - TECH INFO:

- BASS: 40Hz +/-12dB @600Hz +/-6dB
- BASS Boost/Cut: 60Hz +/-6dB
- TREBLE: 7kHz +15dB / 10kHz -15dB,
- TREBLE Boost/Cut: 10kHz +8dB/-8dB

■ Other features:

- **MUTE** button.
- **CLIP** power amp indicator.
- **Effect loops:** SEND / RETURN (JACK 6.3mm).

■ Outputs:

- **LINE-OUT:** (XLR balanced) with level signal adjustment, PRE/POST switch and GROUND LIFT circuit switch.
- **TUNER**
- **SPEAKERS** (combo speakon/jack).
- **Protections:** short circuit, thermal overload, power overload.

■ Casing dimensions:

[H x W x D] 66x265x165mm.

■ Overall dimensions:

[H x W x D] 66x265x190mm.

■ Weight:

2.3 kg.

2 FRONT PANEL



1. Active bass instrument INPUT (JACK 6.3mm).
2. Passive bass instrument INPUT (JACK 6.3mm).
3. MUTE on/off switch
4. GAIN control
5. **CHARACTER** - fluent signal adjustment of the input between two sections of the amplifier - SOLID-STATE and TUBE.
6. BASS CONTROL with MLO-system.
7. Triple BASS - switch to reduce or boost high frequency (DBS-cut/OFF/DBS-boost).
8. MIDDLE level control with parametric EQ.
9. PARAMETRIC EQ frequency adjustment (250Hz -1.5kHz).
10. TREBLE CONTROL with MLO-system.
11. Triple TREBLE - switch to reduce or boost high frequency (DBS-cut/OFF/DBS-boost).
12. **VOLUME** control.
13. **STANDBY** and **PROTECTION** indicator
- LED is illuminated when nothing is connected at the Amp Input. If LED is illuminated when instrument is connected, the power amp. protection circuits are active.
14. Power amplifier CLIP indicator.
15. ON/MUTE indicator.

3 REAR PANEL



1. POWER switch.
2. EC POWER INPUT socket with AC fuse 6.3A 230V/115V
3. Balanced LINE OUTPUT [XLR].
4. LINE OUTPUT PRE/POST EQ switch.
5. LINE OUTPUT GROUND LIFT switch.
6. Line output signal level adjustment.
7. SPEAKERS output (combo SPEAKON and 6.3mm JACK).
Minimum impedance - 4ohm
It's recommended to connect 4 ohm cabinets with Speakon- Speakon cable.
This link warrants better connection quality and reliability then Jack-Jack cable.
8. EFX loop - SEND or TUNER connection
9. EFX loop - RETURN
10. Power selector 230V/115V located at the bottom of the housing

4 PROTECTIONS

This amp is armed with several Power Amp protection circuits. PROT LED placed at front panel of the unit indicates their activity. If PROT illuminates with constant light while instrument is connected, that means Power Amp is blocked by PROTECT circuits. Temporary overload or short circuit at Speaker Output will cause PA to be blocked for about 4 seconds. After this time amp will start working again without any user action. If this kind of situation occurs, cabinet connection and impedance should be checked (lowest possible impedance is 4 ohms). If amp does not restart after 4 seconds, that may indicate Power Amp has overheated. It may take few minutes before the cooling system will decrease temperature of PA to the safe level.