Amplification Taurus

OPERATING MANUAL

TS-10, TS12, TS-1010

Bass Amp

Slim Line

TS-1010

TS-12

TS-10

DESIGNED BY MUSICIANS FOR MUSICIANS

The TAURUS Slim Line bass amp is designed with special regards towards the most important features for musicians in mind - perfect sound, wide range possibilities of tone creation, good monitoring on stage, reliability and easy handling.
The TS-series is equipped with all essential tools to obtain complete control over selective bass sound, suitable middle as well as treble tones. In order to find appropriate sound of the instrument and (what is extremely important in bass sound) appropriate middle band proportion theTaurus is equipped with special tone control system called MLO* *. The MLO assures finding desired sound easily and quickly using only 2 potentiometers - BASS and TREBLE . If needed, additional precise control over middle frequency is provided by parametric equalizer and switchable filters.
The Slime Line Series consists of three combo models with different speaker configurations: 1 x10", 2 x 10 and 1 x 12. All share the same preamps and power amps. They differ only in weight and dimensions.

MLO - SYSTEM *Middle-range Level Optimization*

The Taurus' proprietary MLO system provides exceptional sound creation flexibility, ease of use and intuitive tailored sound using two tone knobs only.

The MLO automatically integrates optimal tuning of mid frequencies using only bass and treble potentiometers. Logical and effective tone adjustment greatly benefit musicians.

Furthermore, MLO keeps the volume level unchanged while low frequencies are added to the original sound, changing only tone characteristic, not it's volume.

1 MAIN FEATURES

- **Power output: 3**50W RMS / 4ohm , 200W RMS / 8ohm
- Speakers configutarion**:**
- **TS-10** - 1x10”/8ohm + switchable ceramic tweeter
- **TS-12** - 1x12”/8ohm + switchable ceramic tweeter
- **TS-1010** - 2x10” /8ohm + switchable ceramic tweeter
- **INPUT** - passive & active

- SIGNAL LEVEL**:**
- **GAIN** control with overload LED
- **VOLUME** control

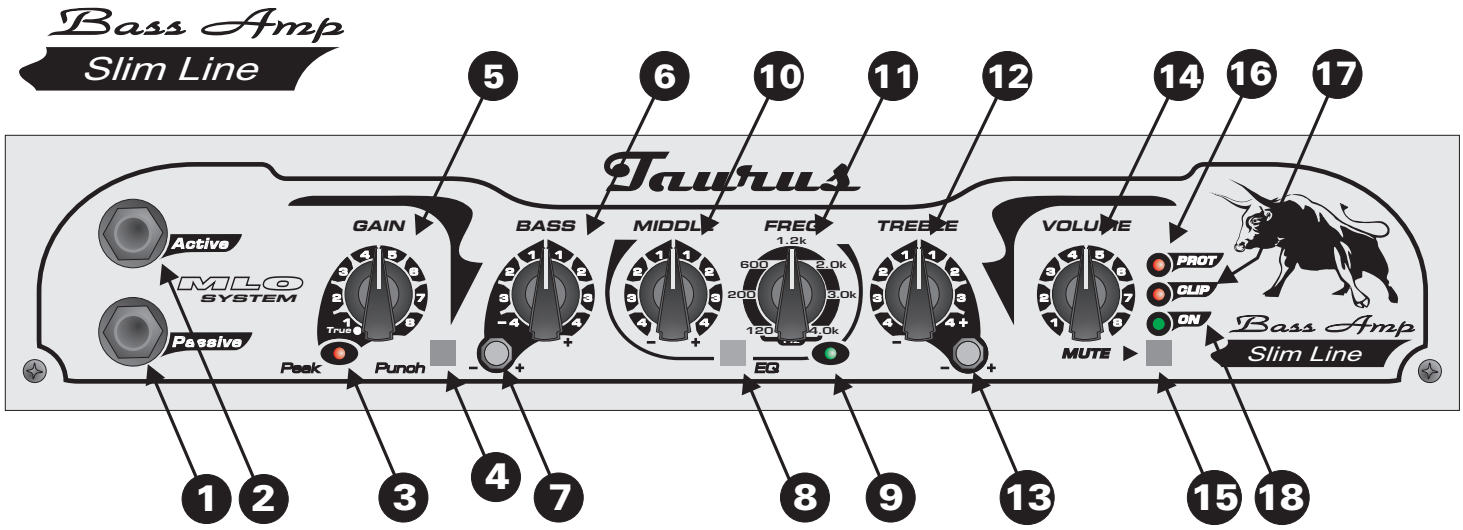
- TONE**:**
- **BASS** and **TREBLE** equalizer with **“MLO-system”**
- Triple **BASS-switch** to reduce or boost low frequency [DBS-cut/OFF/DBS-boost]
- Triple **TREBLE-switch** to reduce or boost high frequency [CUT/OFF/PRESENCE]
- **PARAMETRIC EQUALIZER** - provides extra precise control over middle frequency band [120Hz-4kHz]
- **PUNCH** button - increases sonic expression

- Equalization info:
- **BASS:** 40Hz +/-10dB @400Hz -/+4dB
- **MIDDLE:** 2kHz +7dB / 550Hz -7dB
- **TREBLE:** 6kHz +15dB / 8kHz -15dB,
- **PUNCH:** 300Hz +8dB

- Additional features**:**
- **MUTE** button
- **CLIP** power amp control
- Preamp **PEAK** indicator
- **Switchable tweeter**
- **XLR balanced LINE-OUT** with PRE/POST selector and ground lift
- **SPEAKER-OUTPUT** for additional speaker cabinet **(8ohm)**
- **Protections:** short circuit, thermal overload, power overload

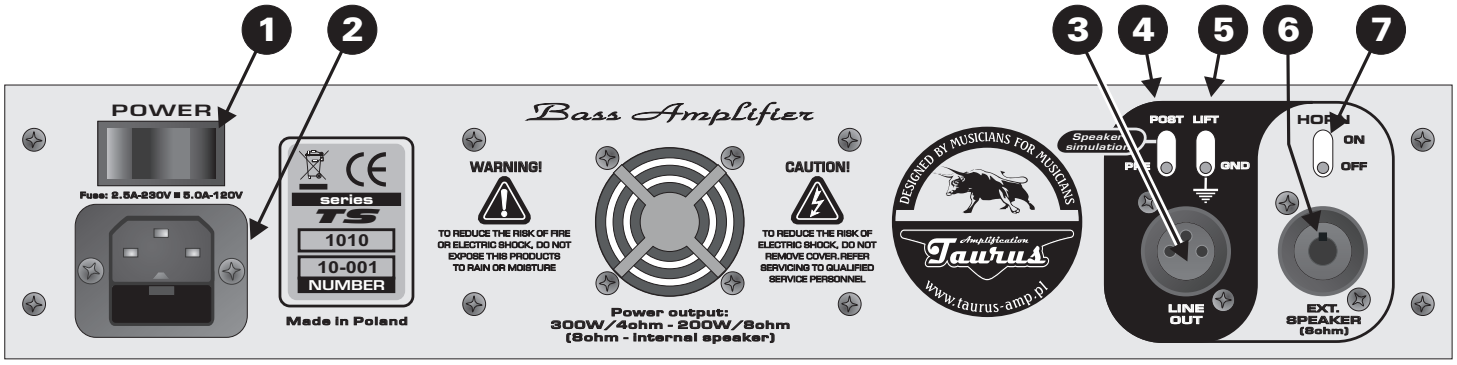
- Dimensions/weight:
- **TS-10** - [H x W x D]: 400 x 410 x 395 mm / 14kg
- **TS-12** - [H x W x D]: 500 x 410 x 395 mm / 16,5kg
- **TS-1010** - [H x W x D]: 590 x 410 x 395 mm / 23,5kg.

FRONT PANEL



1. Active INPUT [JACK 6.3mm].
2. Passive INPUT [JACK 6.3mm].
3. PEAK indicator in preamp section.
4. PUNCH button – increases sonic expression.
5. GAIN control
6. BASS control with MLO–system.
7. 3-way switch to reduce or boost low frequency [DBS–cut/OFF/DBS–boost].
8. PARAMETRIC EQ on/off switch.
9. PARAMETRIC EQ indicator.
10. PARAMETRIC EQ level control.
11. PARAMETRIC EQ frequency adjustment (120Hz…4kHz).
12. TREBLE CONTROL with MLO–system.
13. 3-way switch to reduce or boost high frequency [CUT/OFF/PRESENCE].
14. VOLUME control.
15. MUTE on/off switch.
16. Protection indicator.
17. Power amp CLIP indicator.
18. MUTE indicator.

3 REAR PANEL



1. POWER on/off switch.
2. 230V/50Hz EC POWER INPUT socket with AC fuse. [optional - 100V/120V/60Hz].
3. Balanced LINE OUTPUT [XLR] with „**TRUE VOICE"** speaker cabinet simulation.
4. LINE OUTPUT PRE/POST EQ switch.
5. LINE OUTPUT GROUND LIFT switch.
6. SPEAKERS output [combo SPEAKON and 6,3mm JACK]. min. impedance 8ohm / min. power 200Watt/rms
7. HORN on/off switch.

4 PROTECTIONS

The amp is armed with several Power Amp protection circuits.The PROTECTION LED is placed at the front panel of the unit and indicates it's activities. If PROTECTION LED is constantly illuminated while the instrument is connected, then the 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. In these circumstances, the cabinet's connection and cabinet's impedance should be checked (4 ohms is the lowest impedance allowed). After 4 seconds the amp should start working again by itself. If the amp does not restart after 4 seconds, it may be an indication of overheating. It may take a few minutes before the cooling system will decrease the temperature of the PA to a normal, operational level.

5 GETTING STARTED

A Set every front panel potentiometer and switch in following positions:
– BASS,GAIN, TREBLE, LEVEL and VOLUME in 12 O'clock position,
– keep PRESENCE, PARAMETRIC EQUALIZER and DBS in "OFF" position.

B Set the HORN switch on the combo's back panel according to your needs.

C Connect your bass guitar to amplifier's INPUT, then switch power ON .

6 SOUND CREATION

The main factors which the character of sound is based on are tone and dynamics. The front amp's panel contains BASS, TREBLE and PARAMETRIC EQUALIZER potentiometers as well as DBS and PRESENCE switches which are responsible for overall amp's tone.

Adjust the tone using only BASS, TREBLE potentiometers and DBS and PRESENCE switches. When the adjustment is insufficient, use the PARAMETRIC EQUALIZER. Set VOLUME potentiometer according to needs, then adjust input sensitivity by using GAIN pot. The GAIN should be set in a way that ensures appropriate sensitivity of amplifier at required level. It is important to remember not to overload the preamp while playing very dynamic notes. The OVERLOAD is indicated with LED on the front panel [3].

► *FIRST USING TIPS*

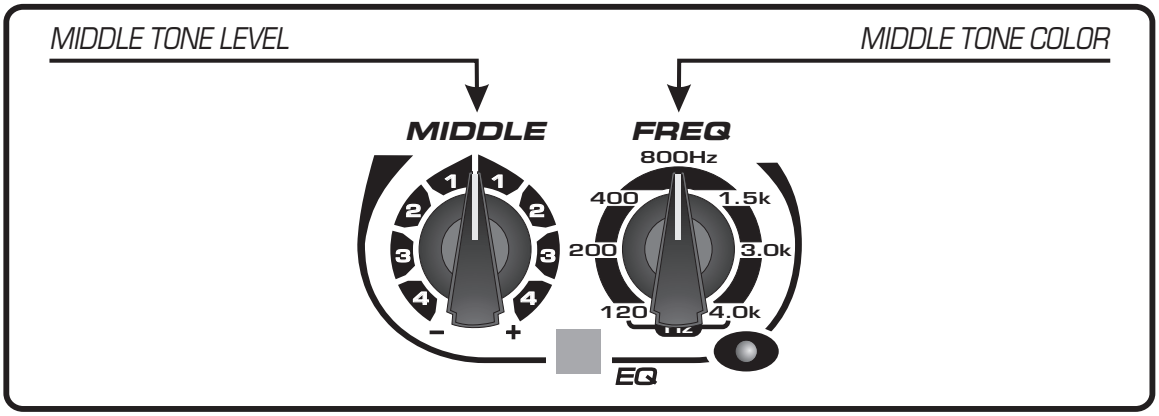
A *Set VOLUME potentiometer according to needs then adjust input sensitivity by using GAIN pot. The GAIN should be set in a way that ensures appropriate sensitivity of amplifier on required level. It is important to remember not to overload the preamplifier while playing very dynamic notes. The overload is indicated with LED on the front panel [3].*

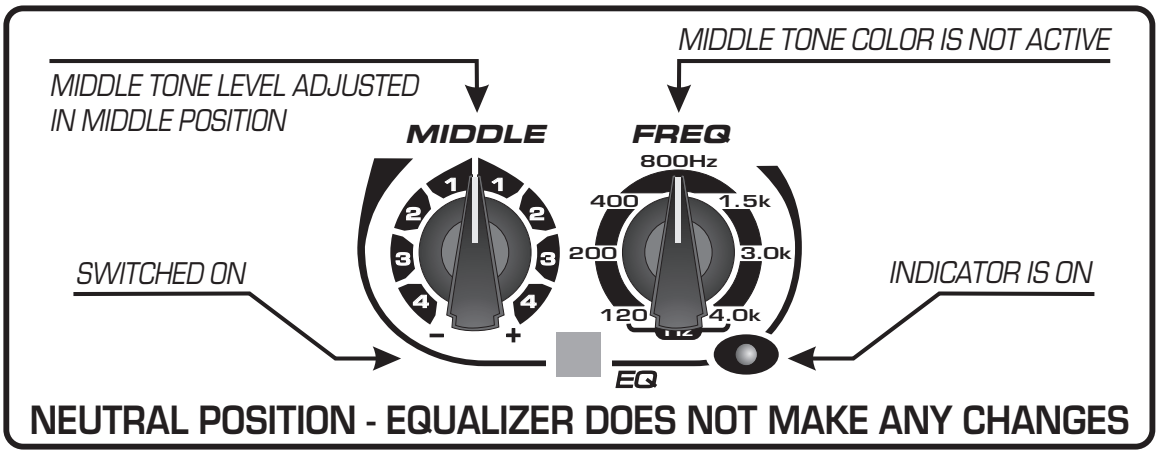
B *Begin with setting BASS and TREBLE . If more saturated bass tone is needed, press the DBS button. If the sound is still not bright enough, press the PRESENCE button. When the adjustment is insufficient, use the PARAMETRIC EQUALIZER.*

C *More advanced sound adjustment can be achieved by using PARAMETRIC EQUALIZER. The EQ enables precise midrange sound correction and can be turned ON or OFF [8].*
The PARAMETRIC EQUALIZER is based on 2 potentiometers - LEVEL and FREQUENCY.
The LEVEL potentiometer is responsible for amplifying or cutting selected frequences chosen by FREQUENCY pot. The EQ is set to work between 120Hz and 4 KHz frequency range accordingly from high Low Range (120Hz) throughout entire midrange up to low High Range (4kHz). The EQUALIZER operation is described in point 7 of the operation manual.

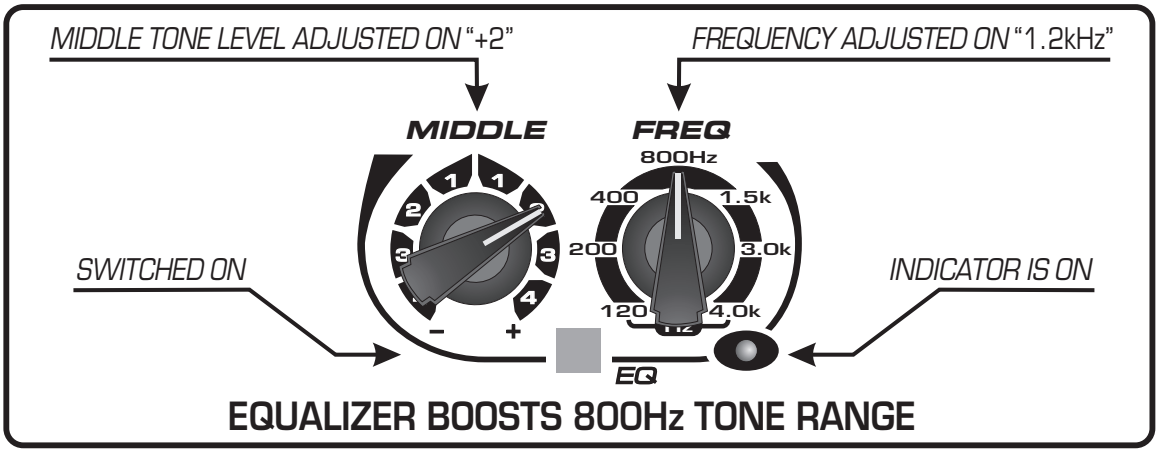
7 PARAMETRIC EQUALIZER

The PARAMETRIC EQUALIZER is based on 2 potentiometers - LEVEL and FREQUENCY. The EQ is set to work in range between 120Hz and 4KHz .
The LEVEL potentiometer is responsible for amplifying or cutting out selected frequences chosen by FREQUENCY pot. When LEVEL pot. is set in 12 O'clock position the EQ is "flat" and does not change the sound. The EQUALIZER'S operation is illustrated below.

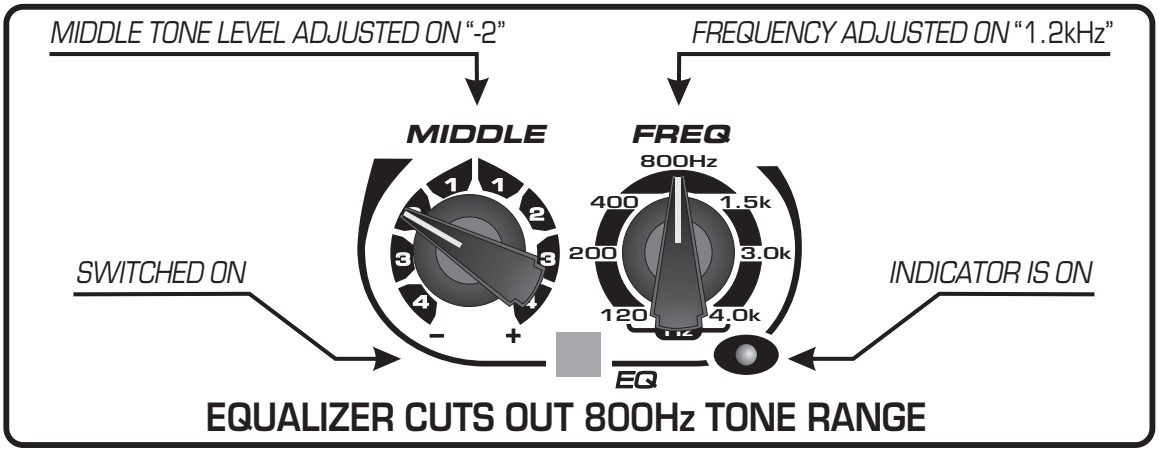




NEUTRAL POSITION - EQUALIZER DOES NOT MAKE ANY CHANGES



EQUALIZER BOOSTS 800Hz TONE RANGE



EQUALIZER CUTS OUT 800Hz TONE RANGE

PRECAUTIONS

- CAUTION! It is necessary to comply with basic rules while using devices supplied from AC power.
- The device should be supplied with current of parameters complied with markings on the product.
- It is recommended to use plugs with grounding.
- Use fuses of parameters recommended by the producer only.
- Protect the device against moisture.
- A perfusion of the device may cause damage or electric shock.
- The amplifier should be place in a spot that anables free air circulation for the cooling system to work properly.
- The device should be used away from a heat sources.
- It is necessary to remember that too loud play may cause hearing damages.
- Never try to repair the device personally.

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.

DESIGNED BY MUSICIANS FOR MUSICIANS

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CE

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