

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. Without grounding while touching and adjusting metal knobs of the amplifier, small crackling can be audible.
- 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 enables 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.



Taurus

Box Electronics
ul Cieszynskiego 4
81-881 Sopot
Poland
tel +48 58 550 66 46
tel/fax +48 58 551 90 05

e-mail info@taurus-amp.pl
www.taurus-amp.pl

RoHS

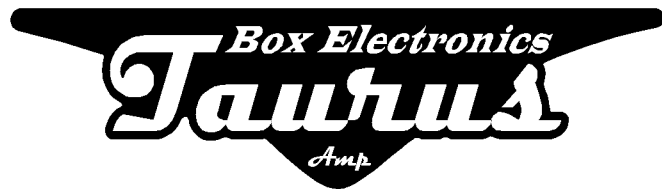


MANUAL

BL *black line*



DESIGNED BY MUSICIANS FOR MUSICIANS



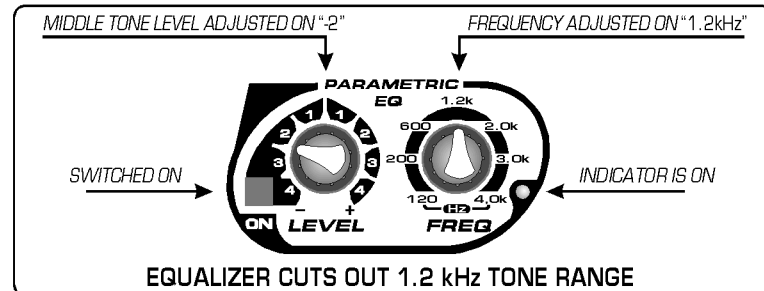
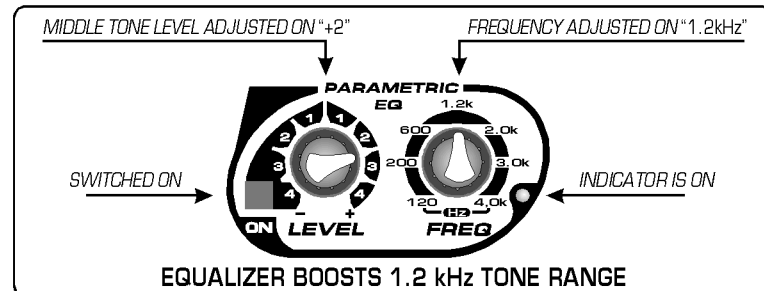
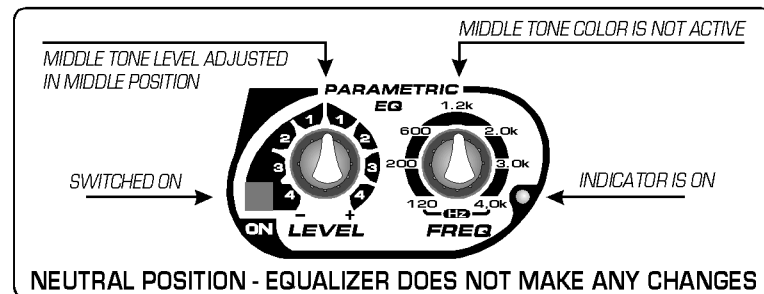
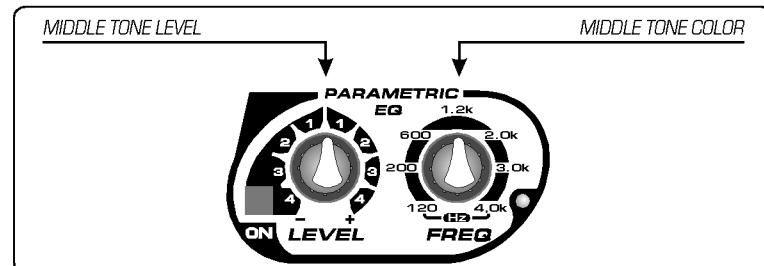
The TAURUS Black Line bass amps were designed with special regard towards the most important elements in bass musician technique - good sound, suitable possibilities of tone color creation, good hearing on stage, in studio and while running-through and simple handling and reliability. BL-series were equipped in all essential elements to obtain totally controlled and selective bass sound, suitable middle as well as pure treble tones. In order to find appropriate sound of the instrument and - what is extremely important in bass sound - appropriate tone color and middle band proportion, Taurus was equipped with special tone control system - MLO** . This kind of solution assures that we will find desired sound easily and quickly by using only 2 - BASS and TREBLE controllers. Additional, precise control over middle tones is performed by parametric equalizer and switchable preamp filters.

The Black Line consists of three combos and one head amp. CELESTION and SICA ferrite speakers are matching them in three different configurations: 2 x 10", 1 x 12" and 1 x 15". All Black Line models are based on the same preamp steering panel and power stage. They differ only in speaker systems, weight, dimensions and in case of the head amp also in power.

MLO - SYSTEM *Middle-range Level Optimization*

In TAURUS amplifiers designed by Box Electronics unique **MLO-system** equalization control has been applied to achieve easy and intuitional sound tailoring through only two Bass and Treble knobs. This type of sound correction makes it easy and fast to find the right tone colour. Characteristics of the tone settings are designed to meet the parameters of the instruments both technically and musically. In regular solutions one can practically use only 50% of the bass and treble correction range. The deeper correction usually results with loss of sound control. To make the best use of the 2 point correction it has been automatically coupled with midrange control. This solution provides optimal sound control especially in the adjacent mid and low frequencies and allows to use the whole range of the potentiometers for full spectrum of sound shape. Additionally the **MLO-system** results in same level volume output no matter how the low frequency control knob is positioned (no need for tricky correction of both bass and volume to keep the same loudness level). This lets the musician concentrate on the precise sound colour quality control only without any "too many knobs to operate" confusion.

PARAMETRIC EQUALIZER is composed of 2 controllers - LEVEL and FREQUENCY. LEVEL controller is designed for mid tones adjusting, FREQUENCY controller adjusts appropriate mid tones range. LEVEL controller decides whether we want to amplify or cut out selected tone range. Setting LEVEL controller in middle position will cause that the EQUALIZER does not make any changes. Available tone color adjustment range is set between 120Hz and 4kHz. The EQUALIZER operation is illustrated below.



5 GETTING STARTED

- A** Using the head amplifier, connect the speaker cabinets which have an appropriate power and impedance.
- B** Set every front panel controllers and switches on following positions:
 - GAIN, BASS, TREBLE, LEVEL and VOLUME controllers in middle position,
 - PRESENCE, PARAMETRIC EQUALIZER ON and DBS switches in "OFF" position.
- C** Select HORN on/off switch on the combo back panel as you wish.
- D** Connect your bass guitar to amplifier INPUT, then switch on POWER button.

6 SOUND CREATION

Basic elements that make up the character of desired sound are tone color and dynamics. Section composed of controllers BASS, TREBLE, PARAMETRIC EQUALIZER as well as switches DBS and PRESENCE is responsible for tone color. Firstly set tone color using only BASS and TREBLE controllers and DBS and PRESENCE switches. In case when the adjustment is insufficient, use PARAMETRIC EQUALIZER.

► FIRST USING TIPS

- A** Set VOLUME controller in optimum and then set appropriate input sensitivity by using GAIN controller. GAIN controller should be set in a way that ensures to control the amplifier on required level. It is necessary to remember not to allow to overload the preamplifier while hard hitting the strings. The overload is indicated with OVERLOAD indicator [2].
- B** Begin with setting BASS and TREBLE controllers. If you need more bass tone saturation, switch DBS-ON button. If you need to brighten the instrument color, switch PRESENCE button.
- C** Creating of advanced tone color is possible thanks to PARAMETRIC EQUALIZER. One can switch on the EQUALIZER using button [7]. Using EQUALIZER you can precisely adjust mid tones color. PARAMETRIC EQUALIZER is composed of 2 controllers - MIDDLE and FREQUENCY. Operating with these 2 controllers, you can select proper tone color range you want to amplify or cut out. Available tone color adjustment range is set between 120Hz and 4kHz. It corresponds with range up to bass sounds throughout whole mid band up to high tones. The EQUALIZER operation is described in point 7 of the operation manual.
- D** In order to enrich the instrument sound you are allowed to use additional sound effects, slot INSERT [16] is meant for that. The assembling is described in point 4 of the operation manual.

1 MAIN FEATURES

- Power rating:
 - head - 300W RMS/4ohm, 200W RMS/8ohm
 - combo - 250W RMS/4ohm, 185W RMS/8ohm
- Speakers configuration in combo:
 - BL-1010 - 2x10" + switchable ceramic tweeter
 - BL-12 - 1x12" + switchable ceramic tweeter
 - BL-15 - 1x15" + switchable ceramic tweeter
- INPUT - passive & active
- GAIN control with overload LED
- VOLUME control
- TONE:
 - BASS and TREBLE equalizer with "MLO-system"
 - PARAMETRIC EQUALIZER - provides extra precise control over middle frequency band
 - DBS (Dynamic Bass System) - increases dynamics and selectivity of bass sound
 - PRESENCE button - increases transparency of sound
- CLIP power amp control
- MUTE button
- Outputs: LINE, INSERT, SPEAKER, PHONES (combo only)
- Dimensions/weight:
 - BL-300H - [H x W x D]: 145 x 505 x 325 mm / 9.0kg
 - BL-1010 - [H x W x D]: 670 x 505 x 385 mm / 29kg
 - BL-12 - [H x W x D]: 540 x 505 x 385 mm / 24kg
 - BL-15 - [H x W x D]: 670 x 505 x 385 mm / 29kg.



BL-300H



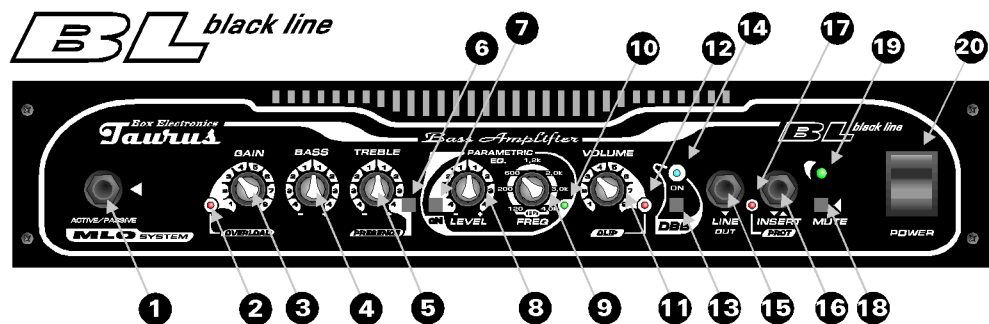
BL-12



BL-1010

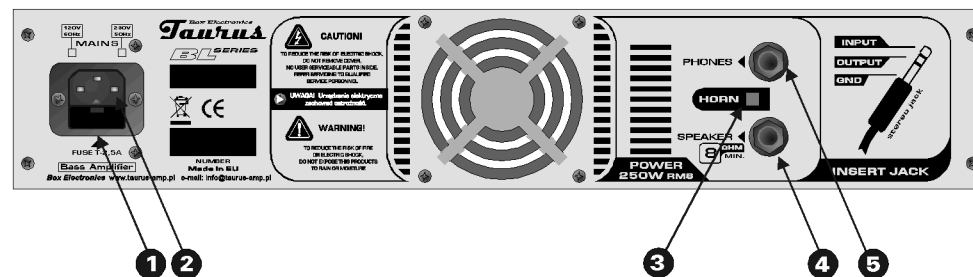


BL-15



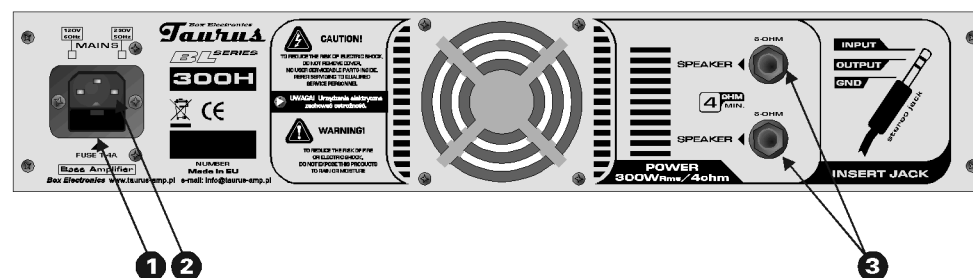
- [1] - Universal INPUT for passive & active pick-ups [JACK 6.3mm]
- [2] - OVERLOAD indicator in preamp section
- [3] - GAIN control
- [4] - BASS control with MLO-system
- [5] - TREBLE control with MLO-system
- [6] - PRESENCE button - increases transparency of sound
- [7] - PARAMETRIC EQ on/off switch
- [8] - PARAMETRIC EQ level control
- [9] - PARAMETRIC EQ frequency adjustment (120Hz...4kHz)
- [10] - PARAMETRIC EQ indicator
- [11] - VOLUME control
- [12] - CLIP indicator
- [13] - DBS (Dynamic Bass System) - increases dynamics and selectivity of bass sound
- [14] - DBS ON indicator
- [15] - LINE OUTPUT [JACK 6.3mm]
- [16] - INSERT to connect external effect [STEREO JACK 6.3mm]
- [17] - PROTECTION INDICATOR
- [18] - MUTE button
- [19] - MUTE indicator
- [20] - POWER ON/OFF switch

COMBO



- [1] - IEC POWER input socket 230V/50Hz or 120V/60Hz
- [2] - AC POWER input fuse T2.5A/230V (T4A/120V)
Important note: Always use slow blow or time delay type fuses
- [3] - HORN on/off switch
- [4] - LOUDSPEAKER output [JACK 6.3mm]- min. impedance 8ohm
- [5] - HEADPHONE output [STEREO JACK 6.3mm]

HEAD



- [1] - IEC POWER input socket 230V/50Hz or 120V/60Hz
- [2] - AC POWER input fuse T4A/230V (T6A/120V)
Important note: Always use slow blow or time delay type fuses
- [3] - LOUDSPEAKER OUTPUTS [JACK 6.3mm] - minimum impedance 1x4ohm or 2x8ohm

CONNECTION OF INSERT CONNECTOR

