

Taurus

Box Electronics
ul Cieszyńskiego 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



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GUITAR AMPLIFIERS MANUAL

Stomp-Head³ black line



DESIGNED BY MUSICIANS FOR MUSICIANS

The Taurus Stomp-Head it is a revolution guitar amplifier. Until today, guitarists could only choose between two types of amplifiers: Heads and Combos. Now, we introduce a new solution called Stomp-Head.

The Stomp-Head 3.BL is an ultra light, very compact floor amplifier with integrated foot-switch, designed to be set on your pedal board, along with all of your effects or, placed directly on the stage floor. It greatly benefits the player with immediate access to all amps potentiometers. When the amp is set on the pedal board only one wire (speaker wire) is needed to setup the guitar sound on stage. This amplifier can also be use as a regular head amp, but requires external foot-switch to be connected.

The Taurus SH-3.BL is a fully analog amplifier with a tube simulation. All transistor characteristic which could affect the sound are almost completely eliminated. Its details were carefully engineered and crafted to ensure the purest tube sound of the amplifier with the transformer output. Dynamic, compression and distortion characteristics are the same as in classical, high end tube amps. The sound is clean, punchy and saturated.

The amplifier features two (2) channels: Clean/Lead & Master section. Each channel can be independently selected by foot switch build-in to the amplifier. The sound of both channels is controlled through a three-point equalizer and volume potentiometers. While using the CLEAN channel, the over-driven CRUNCH sound can be selected via the foot-switch and fluidly adjusted by potentiometer. The LEAD channel uses specially designed DRIVE circuitry to enrich harmonics and make the instrument's sound characteristics even more vivid. This setup provides three different sounds under the player foot. The MASTER VOLUME and BOOST knobs shared by both channels can be found in the MASTER output section. The BOOST function allows a guitarist to mix his own stage sound. By pressing one of three switches on the top of the amp, obtain the two volume levels previously adjusted for chords or solos.

The Stomp-Head amplifier is also equipped with a serial effect loop. The LINE OUT with a speaker cabinet simulator (imitates the sound of the 4x12" CELESTION Vintage 30 cabinet) allows the connection of the amplifier to a mixer or an external power amp.

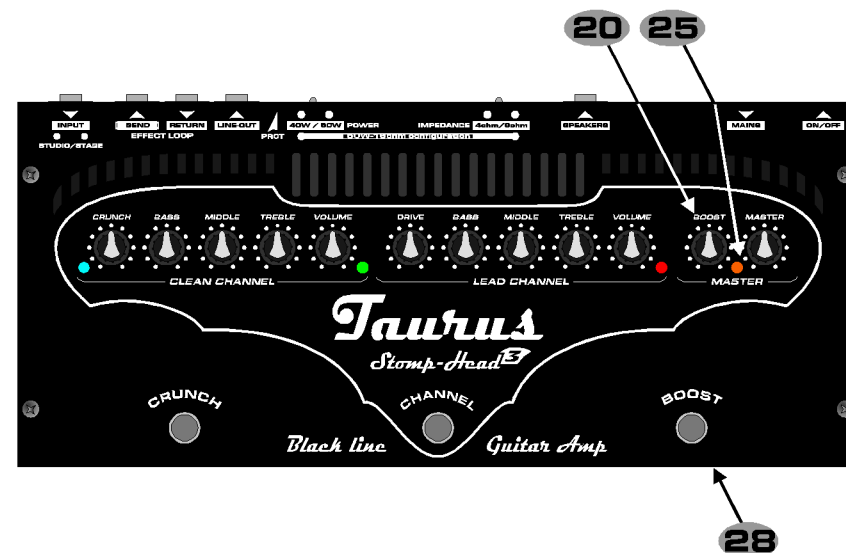
Another special feature of the Stomp-Head is its power reduction switch which enables musicians to choose between a 60 or 40 Watts of power as well as a specially designed circuit which reduce the loudness of the amplifier while the full force of power stage is used. This function allows to use the amplifier at home or in studio on low level of loudness with the sound of fully cranked amp. The amplifier has the ability to use guitar cabinets with an impedance at 4, 8 and 16 Ohm. The speaker impedance selector is placed on the back of the amplifier.

SPECIFICATIONS

- Moc wyjściowa z możliwością wyboru:
 - 60 Watt / 4ohm & 8ohm with possibility of reduction to 40Watt
 - 50 Wat dla 16ohm
- 2 channels: CLEAN and LEAD
- 4 foot-switches: CHANNEL [Clean/ Lead], CRUNCH, BOOST, MUTE
- CLEAN channel controls: CRUNCH, BASS, MIDDLE, TREBLE, VOLUME
- LEAD channel controls: DRIVE, BASS, MIDDLE, TREBLE, VOLUME
- MASTER section controls: BOOST, MASTER
- BOOST: fast access to two different volume levels
- Serial effect loop
- Line out with guitar speaker simulation
- Power output selector
- Speaker impedance selector: 4-8-16ohm
- 2-loudnes mode: STUDIO i STAGE [in STUDIO position the power is ten times lower]
- Dimensions: [wys x sz x gł] 70 x 385 x 190 mm
- Weight: 2,4kg

BOOST MODE

The BOOST MODE allows for instant increase of volume level during a performance. A potentiometer (20) and a foot-switch (30) are designed to control the BOOST MODE. Upon turning ON and pressing the foot-switch, the LED (25) indicates that the BOOST mode is activated. Thereafter, the desired volume level may be adjusted by tweaking the potentiometer. By then pressing the BOOST switch located on the top of the amp, two different volume levels previously set will be obtained. The BOOST MODE is quite beneficial as it heightens the guitar solo during a live performances. The Stomp-Head's BOOST controls both the volume of sound as well as increases the dynamic of distortion in the LEAD channel regardless of the BOOST's potentiometer position. For example: Upon setting the potentiometer to MINIMUM with the BOOST Mode ON, the LEAD channel volume level remains unchanged, but the distortion (DRIVE) becomes more dynamic and articulated.



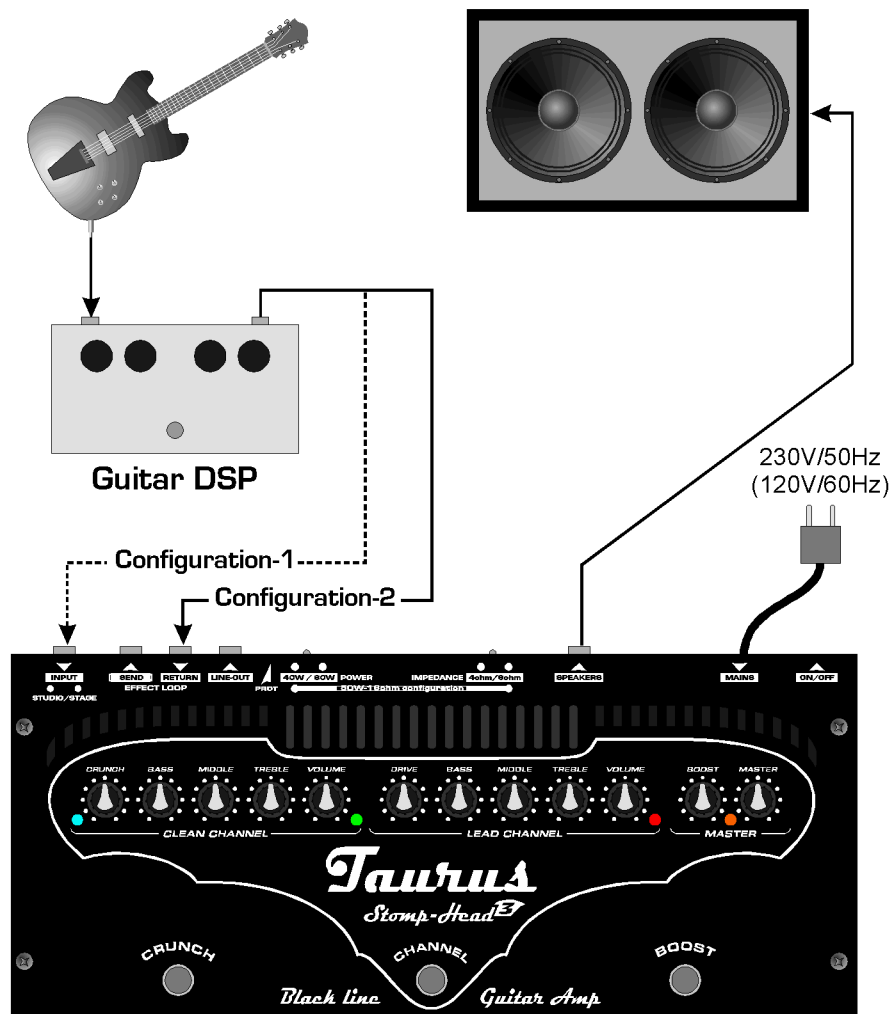
PRECAUTIONS

- 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 unearthed 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 lights LED "32"
- 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.

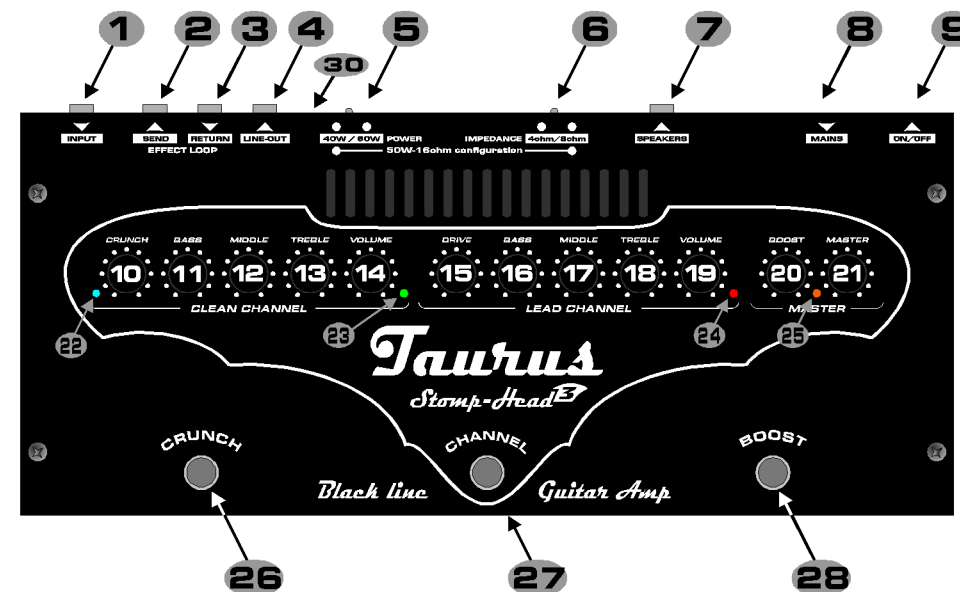
EXTERNAL DEVICES CONNECTION

External devices such as a preamp or a guitar DSP can be connected to the Stomp Head. Both devices may be set-up by two different method.

1. To the amp input – in this configuration all potentiometers and foot-switches will be active.
2. Directly to the power amp, by-passing the pre-amp. In this configuration, the OUTPUT of DSP or external PRE-AMP must be connected to the effect loop RETURN. Consequently, the Stomp-Head's pre-amp stays disconnected and only the BOOST foot-switch remains active. This set-up is recommended when only the Stomp Head's power amp is needed.



FRONT PANEL



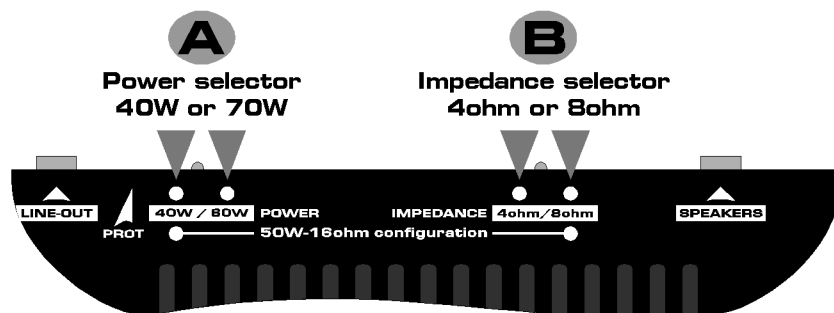
- [1] - INPUT
- [2] - Effect-loop SEND [6,3mm JACK]
- [3] - Effect-loop RETURN [6,3mm JACK]
- [4] - LINE OUTPUT with speaker cabinet simulation
- [5] - Power selector 60Wat/40Wat for 4-8ohm and 50Wat for 16ohm
- [6] - Speaker impedance selector 4/8/16ohm
- [7] - Speakers output
- [8] - EC POWER INPUT [230V/50Hz optional 120V/60Hz]
- [9] - POWER on/off switch
- [10] - CRUNCH control / CLEAN channel
- [11] - BASS control / CLEAN channel
- [12] - MIDDLE control / CLEAN channel
- [13] - TREBLE control / CLEAN channel
- [14] - Volume control / CLEAN channel
- [15] - DRIVE control / LEAD channel
- [16] - BASS control / LEAD channel
- [17] - MIDDLE control / LEAD channel
- [18] - TREBLE control / LEAD channel
- [19] - VOLUME control / LEAD channel
- [20] - BOOST knob regulator (activated by foot-switch)
- [21] - MASTER control
- [22] - LED indicator / CRUNCH-on
- [23] - LED indicator / CLEAN-on
- [24] - LED indicator / LEAD-on
- [25] - LED indicator / BOOST-on
- [26] - CRUNCH foot-switch
- [27] - CLEAN / LEAD foot-switch
- [28] - BOOST foot-switch
- [29] - STUDIO/STAGE power reduction - in STUDIO position the power is ten times lower: 4W, 5W or 6W [Depending on POWER SELECTOR"5" position]
- [30] - Protection - LED indicator

POWER AND SPEAKER IMPEDANCE SELECTOR

Before the amp is turned ON, the POWER SELECTOR (A) and INDEPENDENCE SELECTORS (B) have to be properly set up. ATTENTION! Proper set up of INDEPENDENCE SELECTOR is crucial. It determines the performance of the amplifier. The Stomp Head like all classic tube amps, responds to changes of the cabinet's independence, which results in the sound nuances. To obtain the maximum performance from the amp, the INDEPENDENCE of the cabinet must be checked, and selectors A & B must be properly set. The amplifier offers different options. If a 16 Ohm cabinet is used, the selector (B) must be set to "8/16 ohm", likewise, the selector (A) must be set to "40/50W" (See graph 2). Use the POWER SELECTOR (A) to chose 40 or 70 W for 4 and 8 ohm cabinets ,as well as 50 W for 16 ohm cabinets.

How to configure amp for 4 or 8ohm cabinet?

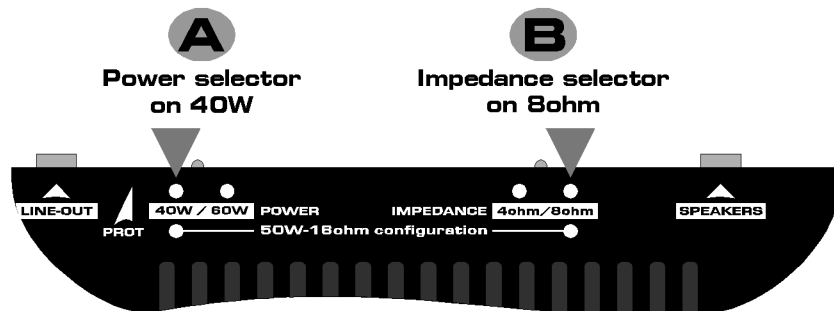
1. Set "A" switch on desired power: 40 or 70W.
2. Set "B" switch on your cabinet impedance: 4 or 8ohm.



Pic.1

How to configure amp for 16ohm cabinet?

1. Set "A" switch on 40W.
 2. Set "B" switch on 8ohm.
- This configuration of "A" & "B" switches, enables 16ohm impedance.
Attention! For 16ohm cabinet amplifier gives 50W.



Pic.2

EFFECT AND MIXER CONNECTION

The external effects may be connected between both preamps (CLEAN and LEAD) and the MASTER section through the parallel EFFECT LOOP. This type of connection is recommended when the Volume pedal or Delay, Reverb, Flanger type of effects are used. IMPORTANT: The volume potentiometers in both channels determinate the amount of gain sent to the effects. If too much signal is sent to the effect, unwilling distortion can occur. In which case the Volume potentiometers should be gradually lowered. Subsequently, the sound level should be equalized by increasing the volume by MASTER potentiometer. When the mixer or the external amplifier is connected, the LINE-OUTPUT with integrated cabinet simulator must be used. Such would simulate the sound of a 412 Celestion Vintage 30 Cabinet. The cabinet simulator enhances the sound that is sent to the stage monitors as though it were coming from a stage cabinet.

