Amplification Taurus

SH10eX Stomp-Head

GUITAR AMPLIFIER OWNER'S MANUAL



CUSTOM EDITION

DESIGNED BY MUSICIANS FOR MUSICIANS

Powerful Guitar Amplifier in stompbox shape



The Stomp-Head is an ultra light, very compact floor amplifier with integrated footswitches, designed to be set on the pedalboard along with effects or independently placed directly on the stage floor.

A pedal-board amplifier provides a complete ready-to-use sound system.
Simply connect your speaker cabinet, guitar and power source, and the system is ready to go.

The Stomp-Head is based on an MTD (Master Tube Design) technology. It is our own groundbreaking technology which allows us to create powerful guitar amplifiers in a very compact shape. This technology uses all the significant features of tubes which determine the classic sound of guitar amps. We offer players a fully analog amplifier, extremely light weight, in a very compact dimension along with a noble and powerful sound. The sound characteristics and power of our MASTER TUBE based amplifiers are equal to the classic tube amps with the same power rating.

The amplifier set up on a pedal-board:

What are the benefits?

- There is no need for additional foot-switches to control the Stomp-Heads functions, because they are all integrated into our compact amplifier. However, if needed, our amp is also equipped with the option of controlling all its features via an external controller

- There is no need for large amounts of long and heavy cable runs to connect effect loops or amplifier switchers. As a result, when all external wiring of the amp controller and FX Loop is eliminated, the whole guitar sound system is extremely compact and light.

- Connecting wires between the amplifier and the effects are much shorter than in traditional set-ups, therefore problems related to loss of signal quality are reduce (much less humming and interference).

- Much less humming and interference noises due to very short connections

- Set up is extremely easy and takes just seconds. All you need to do is connect the speaker cabinet, plug the power cable into the pedalboard, and hook up your guitar. Three external wires - that’s all.

- All the controls to precisely adjust the sound of the amp or effects are in plain view on the pedalboard right in front of the guitarist. Therefore, immediate adjustments can be done at any time, without lag.

- The sound of your guitar can be precisely set at the exact spot on stage where you play.

- Stomp-Head offers a whole range of on-board sounds as a CLEAN, CRUNCH, DRIVE and BOOST function. This eliminates the need for these extra effects on your pedalboard, and creates more space for your other stompboxes.



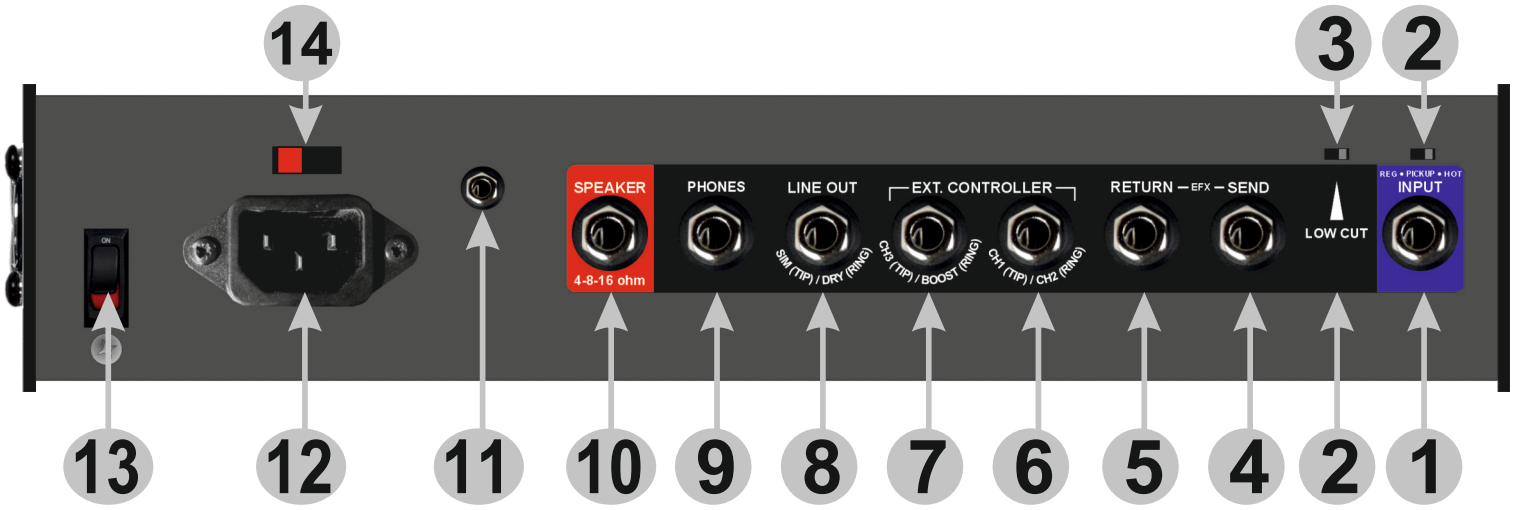

C
B
A
26
25
INPUT
LOW CUT
SEND – FX – RETURN
EXT. CONTROLLER
LINE OUT
PHONES
SPEAKER
AUX IN
MAINS 115/230V
ON/OFF
Line Out & Phones
CAB SIM MODULE
SMALL
V30
EDGE
CENTER
MIC POSITION
CAB
SPEAKER
MASTER TUBE DESIGN
POWER
10W 40W 90W
Amplification
Taurus
SH 10 eX
Stomp-Head
LEVEL
CRUNCH
5
SERVO
REVERB
BASS
MIDDLE
TREBLE
BRIGHT
VOLUME
18
CLEAN / CRUNCH CHANNEL
17
BOOST
NOISE GATE
4
7
8
10
11
12
MID-RANGE
9
14
15
1
MUTE
2
3
ON
16
6
HI-GAIN
HI-CUT
13
2A
BOOST
200WATT
Power Stage Efficiency
HIGH-GAIN CHANNEL
19
REVERB
CLEAN
CRUNCH
HIGH GAIN
BOOST
20
21
22
23
23

Front panel

1. MUTE switch
2. SERVO control
2A. SERVO GAIN switch
3. REVERB control
4. CRUNCH GAIN control
5. CRUNCH level adjustment
6. GAIN LEVEL for High-Gain channel
7. BASS control
8. MIDDLE control
9. MID-RANGE switch
10. TREBLE control
11. BRIGHT / PRESENCE control
12. HIGH CUT - high frequency reduction
13. VOLUME control
14. BOOST control
15. NOSE GAIN LEVEL adjustment
16. NOSE GATE on/off switch
17. NOSE GATE LED indicator
18. LED indicator / CLEAN & CRUNCH channel ON
19. LED indicator / HIGH-GAIN channel ON
20. REVERB foot switch
21. CLEAN channel footswitch
22. CRUNCH channel footswitch
23. HIGH-GAIN channel footswitch
24. BOOST footswich
25. Power Range Selector 7/30/60Watt
26. CAB. SIM. MODULE

A - Microphone position setting
B - Speaker type selector
C- Cabinet size selector

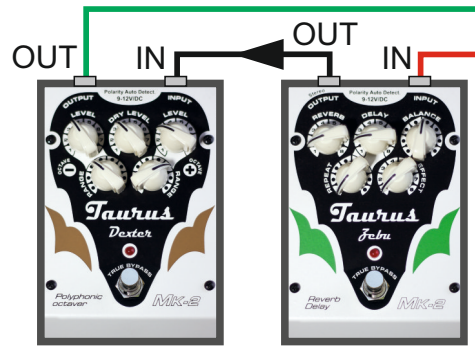
Rear panel



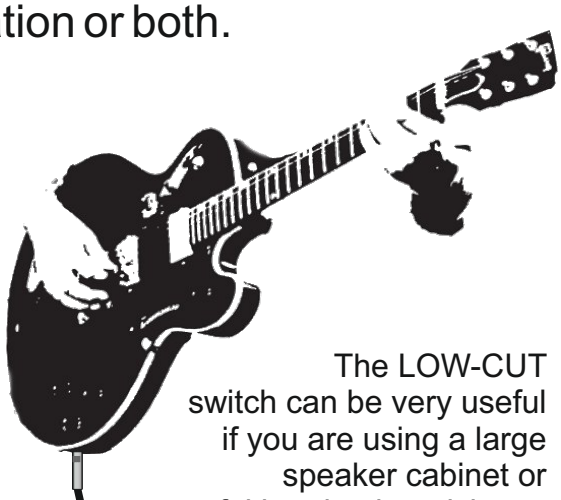
1. INPUT connector
2. PICK-UP selector.
   REGULAR: standard pick-ups
   HOT: additional low-frequency cutoff suitable for baritone guitars with high-output pickups
3. LOW CUT low frequency cut-off switch at the amplifier input
4. SEND connection for effect loop
5. RETURN connection for effect loop
6. EXTERNAL CONTROLLER input for CLEAN (CH-1) and CRUNCH (CH-2)
7. EXTERNAL CONTROLLER input for HIGH-GAIN(CH-3) and BOOST
8. LINE OUTPUT with Speaker Simulation.
   Allows send linear signal with simulation (PIN) or without simulation (RING) or both simultaneously
9. HEADPHONES OUTPUT
   The guitar sound in the headphones should be set using the CAB-SIM module.
10. SPEAKER OUTPUT / impedance: 4-8-16ohm [auto detect. impedance]
11. AUX INPUT enabling connection of a signal to headphones
12. AC POWER input / voltage range: 90-240V
13. POWER ON/OFF switch
14. Power voltage selector: 230V or 115V

External connections

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. When the mixer or the external amplifier is connected, the LINE-OUTPUT with integrated cabinet simulator must be used. Signal from Line-out can be lead in different ways: with simulation, without simulation or both.



Effects pedals



The LOW-CUT switch can be very useful if you are using a large speaker cabinet or powerful humbucker pickups.

Set the guitar sound in the headphones using the CAB-SIM module.





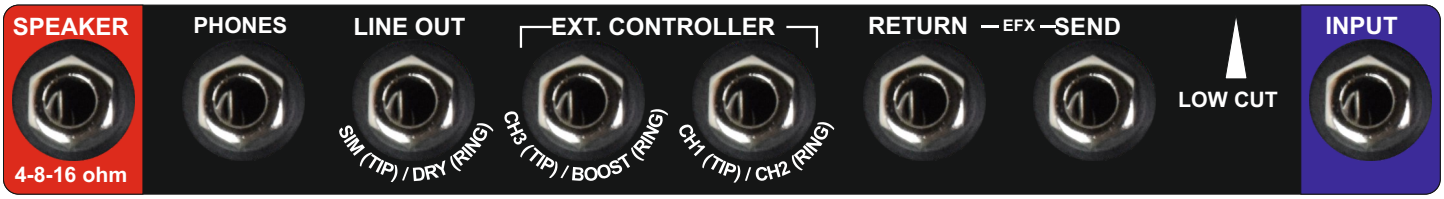
IR-CAB similation module.
Useful tool if you want to send signal from LINE OUT to PA system or mixer. Using this module you can set following options:

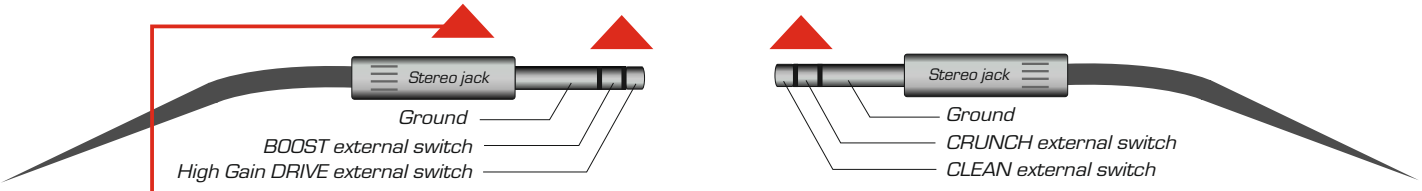
- speaker type
- cabinet cubature
- microphone position.



External connections

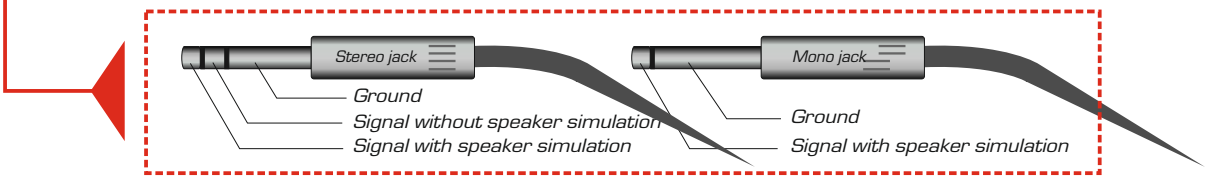
To control CLEAN, CRUNCH and DRIVE you can use momentary (pulse) or bistable (on/off) switches. For BOOST you need to use bistable (on/off) switch.





DRIVE and BOOST connection

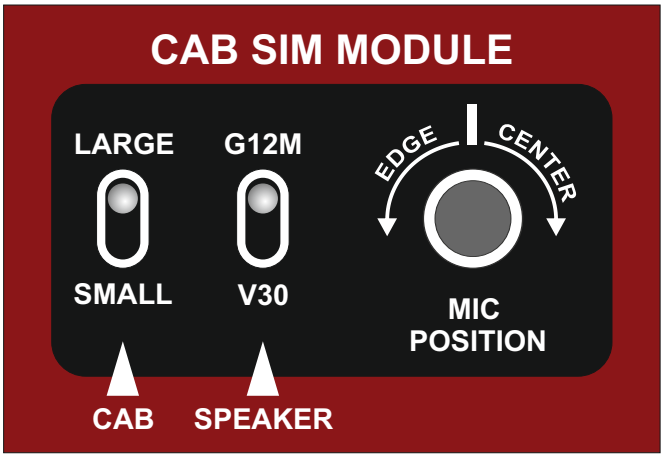
CLEAN and CRUNCH connection



LINE OUTPUT - two types of connection

CAB SIM MODULE

If you want to record your guitar or use the amplifier as a pre-amp without a cabinet then you have a special tool on board - an advanced analog loudspeaker simulator. You can choose accurate simulations of two types of speakers: Celestion Vintage-30 and Celestion Creamback. Also two types of cabinets with different dimensions - small and large can be chosen.
A simulation of the microphone position is also available and provides additional possibilities of equalizing the colour of your sound at the line output. Thanks to this solution you can get closer to the sound conditions of a classic set of speakers with a microphone setup.You get the right placement and sound of the instrument in the band's mix by transmitting the signal from the line output without using the speaker. All this is done in an analog way, very simple and intuitive, without the use other additional processors. The line output has two signals paths, with or without simulation. This feature also allows you to connect an external loudspeaker simulator. So you can use the built-in simulation, external simulation or both of them at once.
The CAB SIM is also active on the headphone output, so you can adjust the sound on your headphones as well.



SERVO

SERVO plays the role of some kind of "soul post" of the amplifier and enriches the sound in a magical way. Servo perfectly complements clean sounds, especially making the sound of single coil pickups much richer.

It makes the sound very vivid and saturated and gives the feeling of playing on much higher quality instrument. The SERVO saturates the sound of the instrument by adding the qualities which make playing more enjoyable and, more importantly, more inspiring. Additionally, the guitar sound is very well set in the band's overall mix.

The SERVO complements the features playing and gigging guitarists need the most to achieve full comfort.

The unit generates harmonics which significantly enrich the sound of the instrument and greatly complements the sound. Suddenly, guitarists will discover tones which were absent in their sound, and now begin to flow freely, becoming so friendly and inspirational.



SERVO GAIN ADJUSTMENT

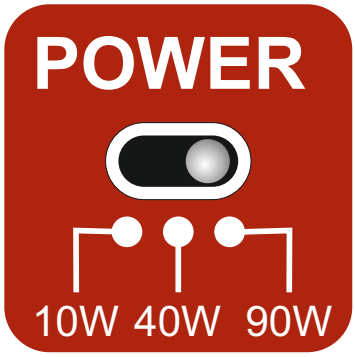
Gradually increases sound saturation.
If the knob is set on minimum then the SERVO is not active.

SERVO GAIN BOOST

This function is very useful when reaching a very deep, fat, distorted sound is needed.

POWER SELECTOR

The amplifier is equipped with a 3-way power output selector. It allows you to use speaker cabinets of different, power and impedance.
The following power options are available:



90W, 40W and 10Wat.

The amplifier automatically adjusts its operating parameters and can serve 4, 8 and 16 Ohm cabinets. The amp can also be used without a speaker cabinet. If no speaker cable is connected to the speaker output, the power amplifier is automatically blocked.

BOOST MODE



The BOOST MODE allows for instant increase of volume level during a performance. The potentiometer and a foot-switch BOOST are designed to control the BOOST MODE. The BOOST function performs two features at the same time: it boosts a signal at the input of the preamp, giving extra compression and raising the volume. 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.

TUBES

Optimal operating parameters of tubes 6021 are set during amp's manufacturing process. The characteristics of each tube in the amplifier is individually tuned at MTD system (Master Tube Design), to achieve the best performance possible. It is not recommended to replace the tubes. Replacing working tubes with some other brand will not improve the sound. The 6021 tubes are already tuned to perform at maximum capability. Only broken tubes should be replaced.The tubes in MTD technology works in perfectly designed environment which allows them to have very long life span. If not mechanically damaged there is no reason to change them for years.

Specifications

- **Power stage efficiency:** 200Watt
- **Power output selector:** 90W, 40W, 10Watt
- **Speakers impedance auto detection:** 4,8 and 16ohm
- **Tubes:** dual triode 6021

- **Channels:** CLEAN+CRUNCH and HIGH GAIN
- **Footswitches:** CLEAN, CRUNCH, HIGH-GAIN, REVERB, BOOST

- **CHANNEL controls** (CLEAN & HIGH-GAIN)**:**
  GAIN, BASS, MIDDLE, MID-RANGE switch, TREBLE, BRIGHT, VOLUME, CRUNCH LEVEL

- **MASTER controls:**
  SERVO – analog enhancer level with SERVO GAIN switch
  BOOST - access to set two different volume levels
  REVERB
  NOISE GATE

- **LOW CUT** - low frequency cut-off switch at the amplifier input
- **PICK-UP SELECTOR** - Regular/Hot
- **MUTE**
- **HEADPHONE OUTPUT**
- **AUX -** input enabling connection of a signal to headphones
- **Serial EFFECT LOOP**
- **CAB SIM MODULE** - built-in analog speaker simulation module. Simulation is active on the line and headphone outputs.
- **LINE OUTPUT** with Speaker Simulation. Allows send linear signal with simulation (PIN) or without simulation (RING) or both simultaneously
- **EXTERNAL CONTROLLER INPUT** for channel selector and BOOST
- **Power supply voltage range:** 239v or 115V

- **Dimensions:** (H x W x D) 75 x 320 x 205 mm
- **Weight:** 2,7kg

Made in Poland

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 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.

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