Amplification Taurus

GUITAR AMPLIFIER OWNER'S MANUAL

Dual Master Classic



DESIGNED BY MUSICIANS FOR MUSICIANS

The **Dual Master** amp is based on a **MTD (Master Tube Design)** technology.
It is our own groundbreaking technology which permits us to create powerful guitar amplifiers in very compact shapes. This technology uses all the significant features of tubes which determine the warm, classic sound of guitar amps. We offer players an amplifier with extremely light weight, very compact dimensions and powerful sound. The sound characteristics and power of the amplifiers based on our MTD technology are equal to the classic tube amps with the same power rating.

The Taurus Dual Master is designed for guitarists who want to build their own sound based on stereo effects or want to use two amps at once. Each amplifier can be independently switched ON, thus they can be use separately or together in various modes:

- Stereo mode , when the stereo output of the pedal board or guitar sound module is connected.
- Mono mode, where two guitars are connected and each of the amplifiers is working with its own guitar and speaker cabinet.
- Classic mode, when only one of amplifiers is used.

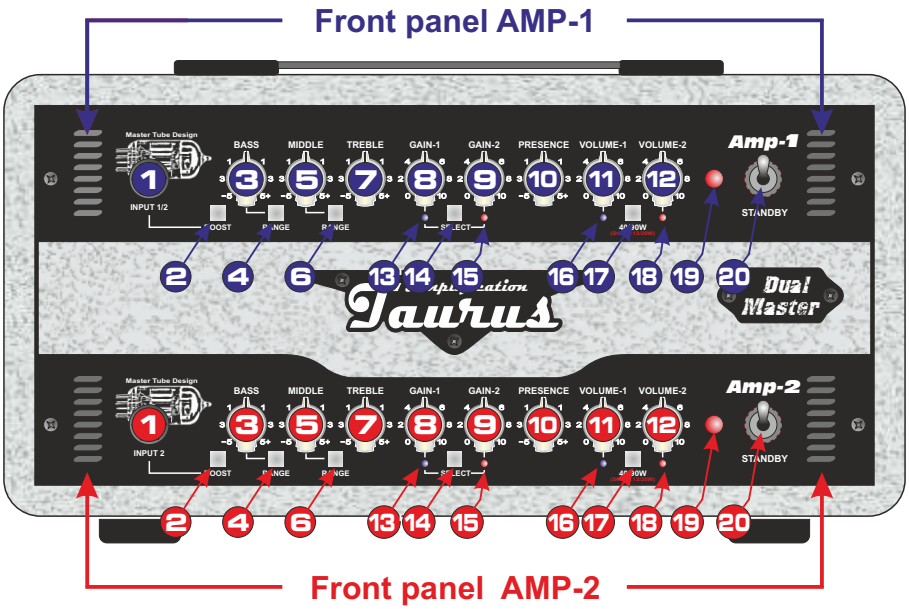
Additional advantage of Dual Master. in contrary of using two separate amplifiers at the same time, is that an external Amp Selector (eliminates hum or loss of tone.) or Power Attenuator do not have to be used at all.

Each of the Dual Master amplifiers offer guitarists two channels with separate GAIN and VOLUME controls. It makes it possible to use two different sound settings via foot-switch. Beside the GAIN and VOLUME controls, each channel is equipped with BASS, MIDDLE, TREBLE, PRESENCE potentiometers and BOOST, BASS-RANGE, MID-RANGE switches. The MID-RANGE switch changes the range of frequency of the MIDDLE potentiometer while the BRIGHT/DARK switch alters the high frequency range. This option is very useful in the proper setting of the guitar's sound in an overall band mix, depending on the style of music played and type of guitar used. It allows also to experimenting with sounds using eg. two amplifiers connected with cabinets equipped with different types of speakers. The footswitches allow for separate control of each amplifier, as well as both of them at once. The amp is equipped with internal selector amplifiers (Amps-Switch) with output to external controller or footswitch. Each of amps has their own separately power supply, ON/OFF switch and fuses, what makes them completely independent.

SPECIFICATIONS

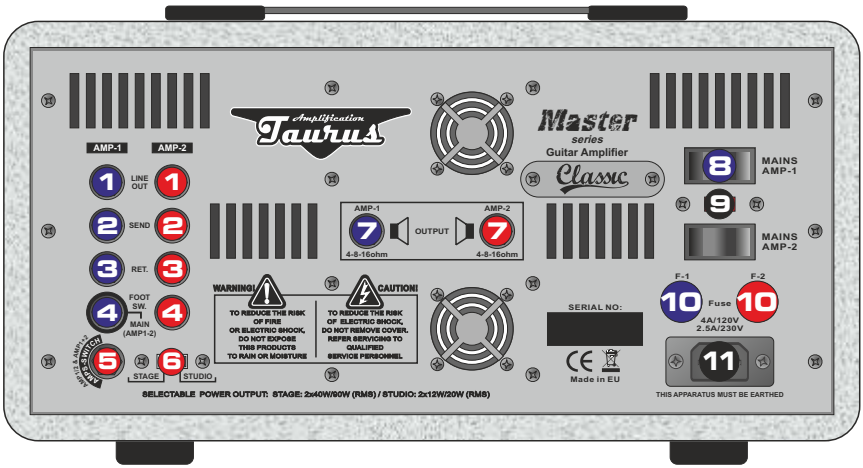
- Power output - 2x90 Watt / 4ohm, 8ohm,16ohm
- Power brake to 2x40W, 2x20W i 2x12W
- Speakers impedance auto detection
- Tubes: 12AX7
- Two channels preamp
- Channel controls:
- BASS, MIDDLE, TREBLE, GAIN-1, GAIN-2, PRESENCE, VOLUME-1, VOLUME-2
- Additional futures: INPUT-BOOST, BASS-RANGE, MID-RANGE
- Serial effects loop
- LINE OUTPUT with speaker simulation
- The ability to send the linear signal with or without simulation or both at the same time
- Footswitch or external controller outputs:
- channel selection: GAIN-1/GAIN-2 and VOLUME-1/VOLUME-2
- amp selection: AMP1or AMP2 oand AMP1+AMP2
- Voltage selector: 230V/50Hz or 120V/60Hz
- Dimensions: (H x W x D) 210 x 395 xx 185 mm
- Weight: 5,1kg

PRONT PANEL



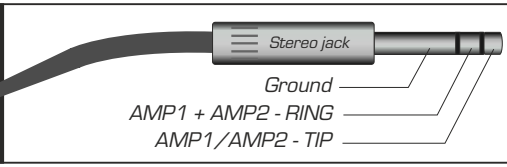
[1] - INPUT
Note: When guitar is connected to input AMP-1 only, signal is sent to both amplifiers simultaneously. When both inputs are used, each amplifier works separately.
[2] - INPUT GAIN boost (+6dB).
[3] - BASS control.
[4] - BASS-RANGE switch - changes range of BASS control parameters.
[5] - MIDDLE control.
[6] - MID-RANGE switch - changes range of MIDDLE control parameters.
[7] - TREBLE control.
[8] - GAIN control for channel-1 (CRUNCH).
[9] - GAIN control for channel-2 (LEAD).
[10] - PRESENCE control
[11] - VOLUME / channel 1.
[12] - VOLUME / channel 2
[13] - LED indicator for GAIN-1.
[14] - Channel selector.
[15] - LED indicator for GAIN-1.
[16] - LED indicator for VOLUME-1.
[17] - Power selector:
40Watt/90Watt in STAGE mode.
12/20Watt in STUDIO mode.
[18] - LED indicator for VOLUME-2.
[19] - LED indicator
[20] - STANDBY

REAR PANEL



[1] - LINE OUT dual line output: with and without speaker cabinet simulation
[2] - SEND serial effect loop output
[3] - RETURN serial effect loop input and input to power amp section.
[4] - FOOT-SWITCH input for channel selector footswitch. It is possible to select channels separately for each amplifier (two footswitches connected to two inputs [4]) or simultaneously for both of them (one footswich connected to input [4] on AMP-1 only).
[5] AMPS-SWITCH output for connecting an external controller or footswitch so you have access for switching the amps in followinh options: AMP1 or AMP2 and AMP1 + AMP2.
[6] - POWER BRAKE power selector switch allows power reduction. In position STAGE we have available power 40W or 90W selected by the switch [17] on the front panel. In position STUDIO we have available power 12W or 20W selected by the switch [17] on the front panel.
[7] - Speakers output / impedance: 4-8-16ohm [auto detect. impedance]
[8] - POWER on/off switch.
[9] - Voltage selector 230V/120V
[10] - FUSE: 2,5 A/230V [4A/120V]
[11] - AC POWER input.

AMPS-SWITCH
External controller wire connection



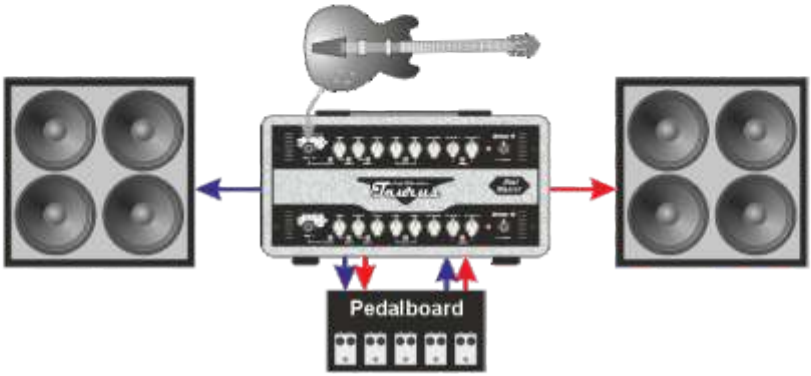
SUGGESTED CONFIGURATIONS

A



Mono mode: Two amplifiers with two cabinets.

B



Stereo mode: Two amplifiers with pedalboard connected to effects loop.

C



Stereo mode: Two amplifiers with pedalboard connected to both inputs.

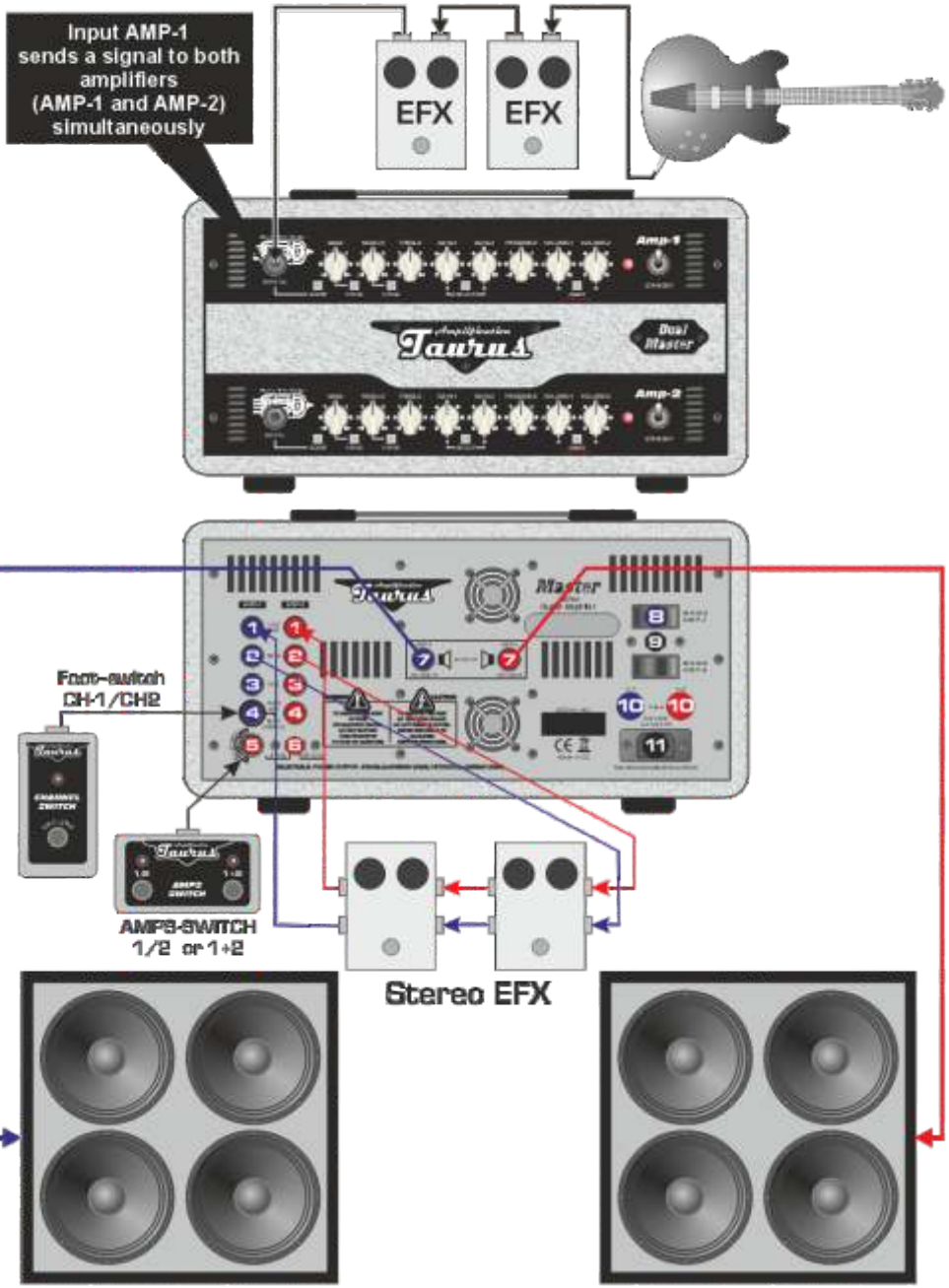
D



Mono mode: Two guitars connected to two channels.

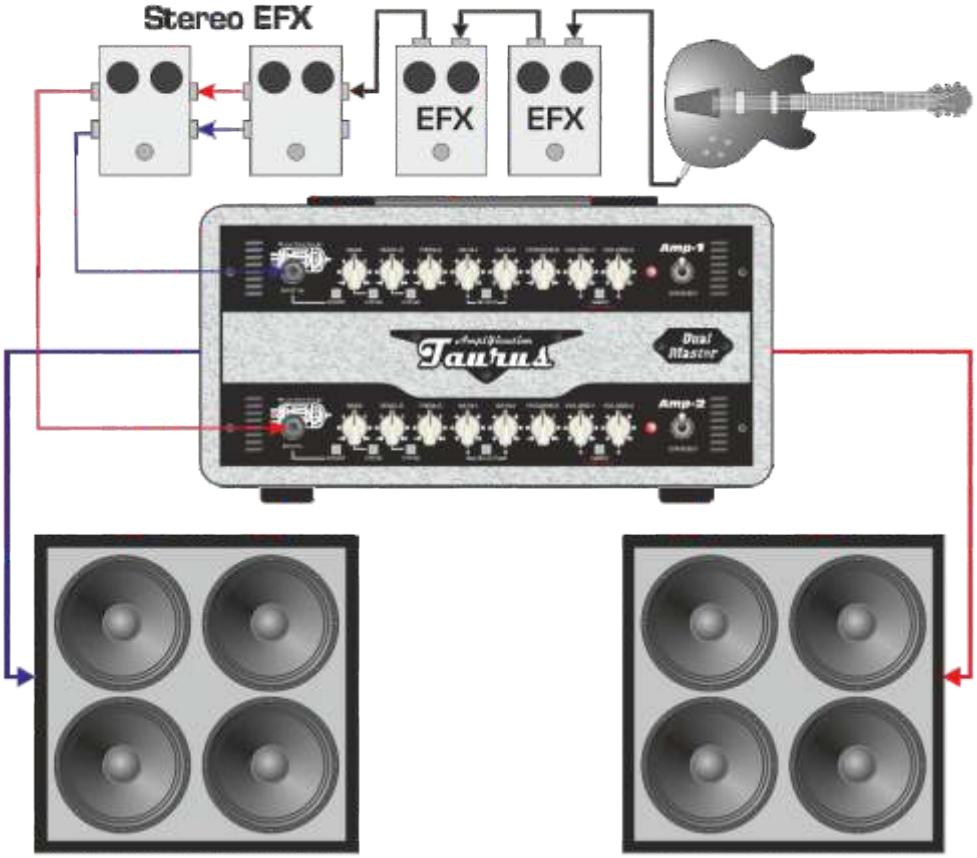
CONNECTIONS CONFIGURATION

Stereo mode: Stereo EFX connected to effects loop and to input of the amp.



CONNECTIONS CONFIGURATION

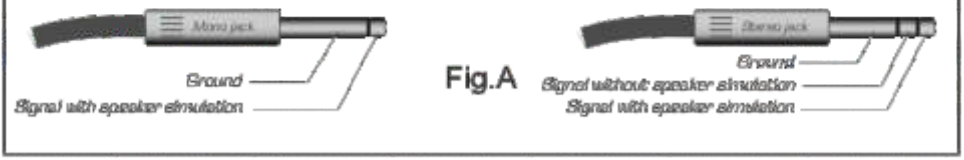
Stereo mode: Stereo EFX output is connected to both inputs.



LINE OUTPUT

Line output provides two signals: with and without speaker simulation.
You can use speaker simulation (with mono plug)
or both of them (with stereo plug).

LINE-OUT wire connection



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.

DESIGNED BY MUSICIANS FOR MUSICIANS

Amplification Taurus

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CE

RoHS

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