

Qube-450



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OPERATING MANUAL



DESIGNED BY MUSICIANS FOR MUSICIANS



Dear bass player! You have one of the smallest and the most effective amplifiers as well from the sign of Taurus. We hope that this gear will come up to your expectations.

Taurus Qube - 450 bass head is the smallest and the lightest bass amplifier in Taurus's amps line. The compact size of the head was attained by applying the newest, most advanced technology. The SMPS (Switch Mode Power Supply) power supply and Class D power amplifier in conjunction with classic analog pre-amp provide great efficiency, power, dynamic and sound selectivity. As all Taurus amps, the Qube - 450 is very easy to operate. The MLO system equalization control in which the Qube is equipped with, achieves easy and intuitive tailored sound using only bass and treble potentiometers. This sound correction simplifies finding the right tone colour of an instrument.

MLO - SYSTEM *Middle-range Level Optimization*

The "MLO" (Mid Level Optimization) is Taurus proprietary system allowing for an easy, intuitive and extremely comfortable optimization of the overall sound of the bass guitar.

The MLO System provides all new possibilities. It ensures most accurate proportion of medium frequencies in accordance of your manual settings of bass and trebles. This very intuitive and logical system supports musician's choice for most desirable sound.

In addition, the MLO equalizer ensures virtually no change in overall volume while changing the bass frequencies. Unlike most of the standard amps, adjusting bass frequency the musician notices change of the sound not the volume.

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GETTING STARTED

- A** Connect a cabinet of the proper power and impedance to the amplifier, see page 5 in the operation manual.
It's recommended to connect 4 ohm cabinets with Speakon-Speakon cable. This link warrants better connection quality and reliability than Jack-Jack cable.
- B** Set every front panel controllers and switches on following positions:
 - GAIN, BASS, MIDDLE, TREBLE controllers in middle position,
 - Tone switches in middle position.
- C** Connect your bass guitar to one of the inputs Active or Passive depending on your instrument, then turn the power on.
- D** Turn on the Volume in optimal position, then you can start playing if your gain level is too small, set the gain knob to desired level. Don't let the preamp to be distorted by setting to big gain level.
- E** Next step will be creating your sound colour using controllers and switches available on the front panel.

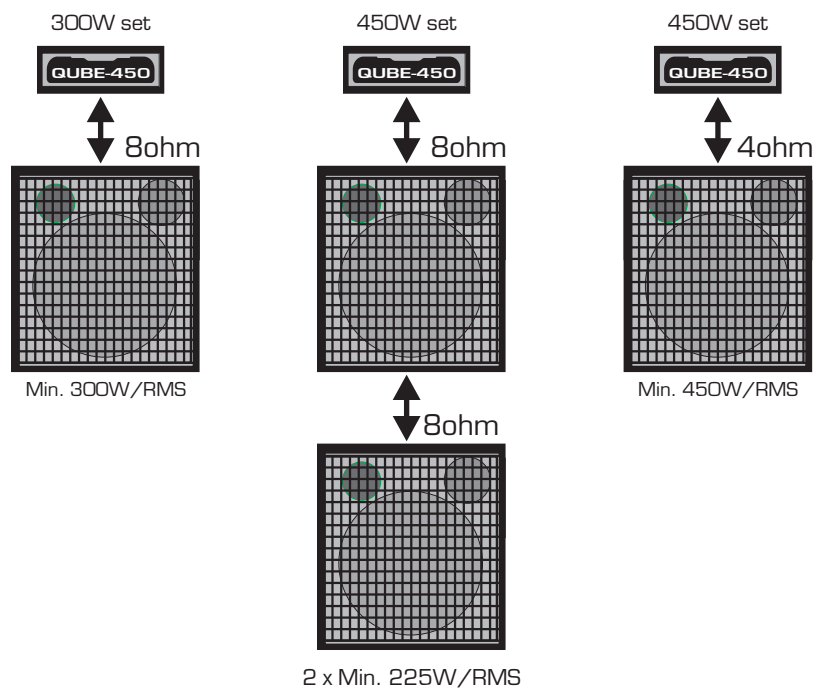
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PRECAUTIONS

- **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 placed in a spot that enables free air circulation for the cooling system to work properly.
- The device should be used away from heat sources.
- It is necessary to remember that too loud play may cause hearing damages.
- Never try to repair the device personally.

- **Power output:**
 - 450W RMS/4ohm,
 - 300W RMS/8ohm,
- **INPUTS:** active and passive.
- **GAIN** control.
- **VOLUME** control.
- **TONE:**
 - **BASS, MIDDLE, TREBLE** control with **MLO** system.
 - **BASS, TREBLE** tone switches.
 - **PUNCH** - increases sonic expression.
- **MUTE** - button.
- **PROTECTION** indicator.
- **CLIP** power amp control.
- **Protections:** Short circuit, thermal overload, power overload.
- **Casing dimensions:** [W x S x G] 66 x 190 x 240 mm
- **Overall dimensions:** [W x S x G] 66 x 190 x 270 mm
- **Weight:** 2,6kg

HEAD AND SPEAKER CABINETS CONFIGURATION



GAIN True/Bost



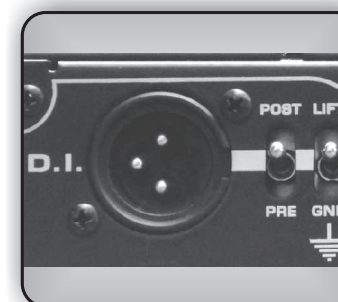
MLO Equalizer



MUTE



PUNCH

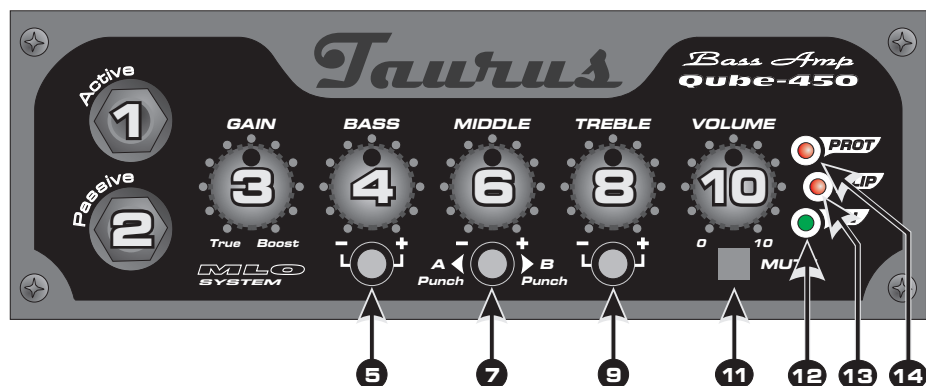


DI-output



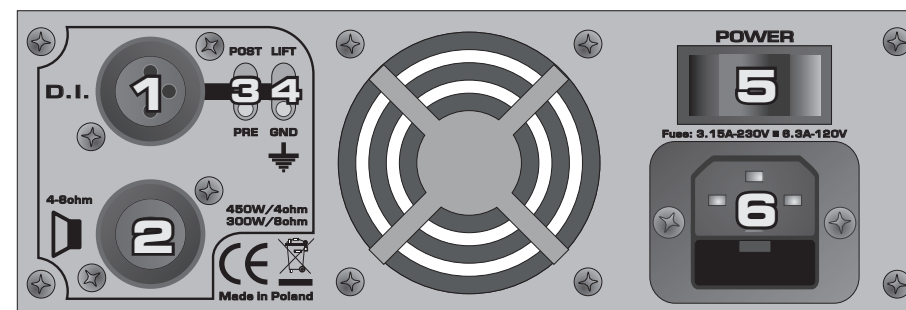
SPEAKON/JACK combo

2 FRONT PANEL



- [1] - Active bass instrument INPUT [JACK 6.3mm].
- [2] - Passive bass instrument INPUT [JACK 6.3mm].
- [3] - GAIN control - True/Boost. "True" position (MIN) means that the instrument signal is not increased at input stage. The signal is the same as the pickup and preamp output.
- [4] - BASS control with MLO-system.
- [5] - Triple BASS - switch to reduce or boost low frequency [DBS-cut/OFF/DBS-boost].
- [6] - MIDDLE control.
- [7] - PUNCH triple switch - High-Punch/off/Low=Punch
- [8] - TREBLE CONTROL with MLO-system.
- [9] - Triple TREBLE - switch to reduce or boost high frequency [CUT/OFF/PRESENCE].
- [10] - VOLUME control.
- [11] - MUTE on/off switch.
- [12] - ON/MUTE indicator.
- [13] - Power amplifier CLIP indicator.
- [14] - Protection indicator.

3 REAR PANEL



- [1] - Balanced LINE OUTPUT [XLR].
- [2] - SPEAKERS output [combo SPEAKON and 6.3mm JACK].
4ohm - minimum impedance

It's recommended to connect 4 ohm cabinets with Speakon-Speakon cable. This link warrants better connection quality and reliability than Jack-Jack cable.

- [3] - LINE OUTPUT PRE/POST EQ switch.
- [4] - LINE OUTPUT GROUND LIFT switch.
- [5] - POWER switch.
- [6] - EC POWER INPUT socket with AC fuse.
Fuse: 3,15A/230V
Fuse: 6,3A/120V

4 PROTECTIONS

This amp is armed with several Power Amp protection circuits. PROT LED placed at front panel of the unit indicates their activity. If PROT illuminates with constant light while instrument is connected, that means 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. After this time amp will start working again without any user action. If this kind of situation occurs, cabinet connection and impedance should be checked (lowest possible impedance is 4 ohms). If amp does not restart after 4 seconds, that may indicate Power Amp has overheated. It may take few minutes before the cooling system will decrease temperature of PA to the safe level.