

GLOCKENKLANG

Bass Art Classic

Head



User Manual

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Technical Data

Warranty

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Thank you for choosing the GLOCKENKLANG Bass Art Classic amplifier. You have purchased an exquisite piece of equipment, which was designed after the most modern technical aspects.

Attention!

To activate your additional 3 years warranty, you should send in the enclosed warranty card.

Please enter the serial number of your amplifier and the date of purchase and send it to :

Glockenklang
Eimterstrasse 147
D-32049 Herford
Germany

This serves as a measure to ensure excellent customer service in the future.

For your safety

Please read the following instructions carefully. These tips will ensure long and troublefree operation of your new GLOCKENKLANG product.

Operational restrictions

Do not operate the amplifier under the following conditions:

- In direct sunlight
- In extremely dirty or dusty places
- In extremely humid or wet places
- Around heat emitting appliances

Caution: When rack mounting the amplifier, make sure to leave adequate room for ventilation. The unit needs this ventilation space to adequately exhaust it's internally generated heat.

Handling

Do not drop the amp. Do not use excessive force when activating switches and dials.

Care

Use a soft, clean and dry cloth only to clean the amplifier. Do not use aggressive chemicals to clean the housing. Do not use compressed air to clean the housing. You may carefully vacuum the air intake and

exhaust areas from time to time to remove loose dust accumulation.

Please, keep this User Manual for future references

General instructions

Your Bass Art Classic head's special features:

- 3 effect loops

"insert" is a serial loop

"effect" is a parallel loop with blending control from 0% till 100% on the front panel,

"preamp out" / "poweramp in" is a second serial loop.

The insert is switched pre eq, the effect loop is switched post eq/pre volume control/pre DI out.

The effect loop is internally switchable – with the dip-switch in off position, behind the effect control pot – to an effect-intensity from 0 till 50% with an equal level of original signal, which gives you a small rise of the whole level by adding the effectlevel.

Preamp Out - Poweramp In are post master volume/post eq/post DI. This send/return is very useful for use of equalizers and stage sound processors that are not desired to go to the DI output.

- Poweramp protection circuit

The poweramp is short circuit , high temperature and DC voltage protected. In case of short circuit, high temperature or DC current the yellow "Protect" LED will come on.

• The poweramp includes a peak limiter to reduce overdrive-distortion of the outputstage. The yellow LED lites, when it is working.

Caution:

Please ensure adequate ventilation when rack mounting the Bass Art Classic amp. Leave a minimum of 5 mm space below and above the amplifier. Make sure that the airflow at the heatsink on the back is unobstructed. Use a rack not deeper than 25 cm, otherwise use a fan.



1.1 Line Driver In XLR-Connector

Input for the optional instrument line driver. Is connected to the switch-contact of the Input B jack. Will be deactivated by putting in an instrument-cable into Input B jack.

1.2 Input A Jack

Normal instrument input

1.3 A/B Switch

Activates Input A or Input B, enabling switching of two instruments.

1.4 Input B Jack

Instrument input for high level instruments. Adjustable via Input B Trim knob.

1.5 Tune Switch (Mute-Function)

Mutes all outputs but the Tuner Out. Can be activated by footswitch.

1.6 Trim Input B Control

Pre gain trim for Input B, you can adjust the level between 0 dB and -20 dB.

1.7 Gain Control with Peak LED

Matches input signal to preamp. To adjust, turn knob until the Peak LED above the control only flickers at highest and loudest peaks. The level in the Effect Loop is then adjusted to +4 dB and the headroom to overdrive is 20 dB.

2.1 Treble/Bass Eq with On Switch

Bass and Treble controls serve to fine tune your sound or solve acoustical problems on stage. They will be activated by the On Switch. The frequencies are centered at 60 Hz and 12 KHz.

2.2 Mid Eq with On Switch

Low Mid and High Mid semiparametrical equalizer. The „dB“-controls raise and dip the frequencies, which are centered by the „KHz“-controls.

3.1 Effect Control

Mixes the effects loop into the original signal from 0% (original signal only) to 100% (effect only). The effect loop is internally switchable – with the dip-switch in off position, behind the effect control pot – to an effect-intensity from 0 till 50% with an equal level of original signal, which gives you a small rise of the whole level by adding the effect level.

3.2 Effect On Switch

Activates the Effect Loop (Parallel Loop). This feature can also be activated by foot switch.

4.1 Volume Control

Serves as main volume control for the Line Out jack and XLR-connector on the rear.

5.1 Power Switch

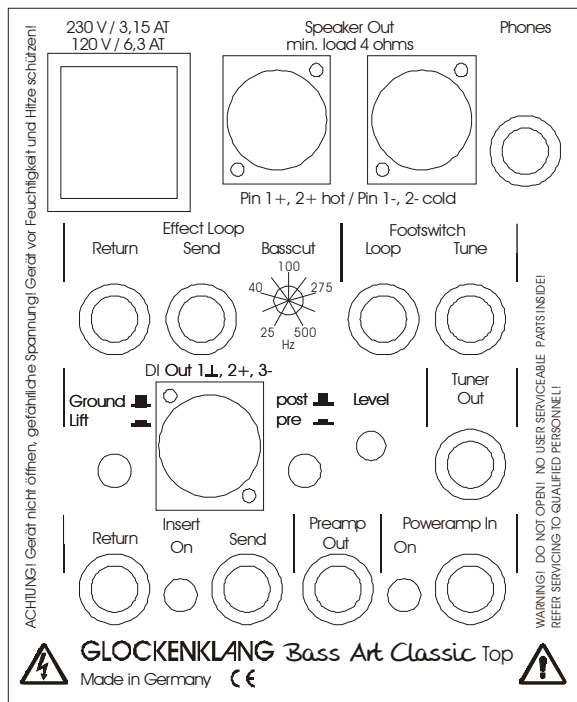
A/C Switch to turn on power to the unit. Power On is indicated by a green LED.

5.2 Protect LED

Illuminates when one of the protection circuits activates. The speakers will be disconnected with this light on.

5.3 Peak LED

Lites when the peak limiter of the poweramp begins to work. It warns of possible overdrive-distortion.



6.1 A/C Connector with fuse

Connector for A/C cord. The fuse is located in the small compartment below. A spare fuse is included in the compartment. The fuse is rated at 3,15A/slo for 230V operation and 6,3A/slo for 120V operation.

7.1 Speaker Out Connector

4-pole speakon jacks for speaker connections. These jacks are in parallel. Connect one 4 ohms or two 8 ohms cabinets here. The maximum power rating is 400 watts into 4 ohms, the minimum permissible speaker impedance is 4 ohms. Connections are pins +1 and +2 hot, pins -1 and -2 cold.

7.2 Phones Out Jack

Output for a Mono- or Stereo-headphone, the signal is in mono. Adjust output signal with the volume control.

8.1 Loop Return Jack

Connect to the output of an effects processor, that is supposed to be looped into the effects loop. Can be used as a mix input (i.e. an additional preamp, the mix ratio can be adjusted at the Effect control on the front.

8.2 Loop Send Jack

To be connected to an effects units input. The level is +4dB

8.3 Basscut Frequency Control

Cuts the low frequencies of the send signal with 12db/octave, to suppress the influence of an effect like reverb or flanger to the key-notes.

9.1 Footswitch Loop Jack

Serves as a connection for the loop function footswitch. It has the same function as the loop button on the amp front.

9.2 Footswitch Tune Jack

Serves as a connection for the mute function footswitch. It has the same function as the mute button on the amp front.

10.1 Ground Lift Switch

Separates Signal Ground from Chassis Ground to eliminate hum and buzz, when connecting other A/C connected gear.

10.2 DI Out XLR Connector

This is the output of the integrated DI Box. It is for balanced connectivity to mixing consoles. The signal is routed to this output pre-volume control for independent stage volume adjustment possibilities. Caution!

This output is electronically balanced. Do not ground pin 3, when using unbalanced cables in this jack. Pin 3 is unused for unbalanced operation!

10.3 DI pre/post Switch

Chooses among the following DI modes:

pre: before eq and serial insert

post: post eq and serial/parallel insert

offers a choice between pure or processed bass guitar signal

10.4 DI Level Control

Matches DI output with mixing console input

11.1 Tuner Out Jack

Serves as a connection for a tuner. This output is always active.

12.1 Insert Return Jack

Connect to the output of an effects unit for use in a serial configuration.

12.2 Insert On Switch

Activates the insert function.

12.3 Insert Send Jack

The input of an effects unit for serial configuration (i.e. equalizer or compressor). The signal level is +4dB. The signal is taken post gain, but pre eq.

13.1 Preamp Out Jack

This jack carries the pre-amplified signal post volume control. This can serve as a connection for a second power amp or as a send for effects that are only used for stage sound and not sent to the DI.

13.2 Poweramp In On Switch

Activates the poweramp in jack (insert function).

13.3 Poweramp In Jack

This leads directly to the poweramp section of the head, for using external preamps. Also serves as return for the second serial insert.