

# BASSKICK SERIES

MANUAL 1.1

BASSKICK  
SERIES

**BK**  
**100**



DEUTSCH

ENGLISH

ESPAÑOL

FRANÇAIS

ITALIANO

*Hughes & Kettner*  
TECHNOLOGY OF TONE

**WELCOME!**

Fat, band-capable bass sound, flexible, however simple to operate, transport-friendly combo format, however with the punch of a grown-up stack. And that all at a purse-friendly price. Those were the defaults for our engineers in order to create bass combos that care for great sound results and well-being in the rehearsal room as well as on stage.

We would like to congratulate you on the choice of a combo that meets all defaults and wish you many years of fun with your BassKick™.

Your Hughes & Kettner team

**INDEX****1** PREAMP**2** EQUALIZER**3** POWER AMP**4** FURTHER CONNECTIONS AND  
OPERATING ELEMENTS**5** STANDARD SET-UP / CABLING**6** TROUBLESHOOTING**7** MAINTENANCE AND CARE**8** TECHNICAL DATA**IMPORTANT:**

Before powering up please read the  
Important Safety Instructions on pages 20-22!

## 1 PREAMP

In the overall design of a bass amp, the preamp plays a central role. As interface between the bass player and his instrument on the one side and the power electronics on the other side, it is decisive for the feeling when playing and the tonal bandwidth. The inputs of the BK 100 are based on the Tube-Touch-Circuit™, an exceptional overdrive-resistant circuit that provides for a remarkably natural, direct playing feeling. Thereby, an inharmonious clipping is almost excluded.

### Input:

Input socket for connecting basses with active or passive electronics.

### Gain:

Controller for adjusting the input level.

### Punch:

The PUNCH button connects a special filtering before the EQ. The tone behaviour of the filter corresponds to that of a classical tube amp. Different from usual pre-filtrations in which a mid-cut does inevitably lead to a loss of volume, the frequency response of the PUNCH function is adjusted in such a way that no change of the overall level is noticeable.

## 2 EQUALIZER

By means of the equalizer, you determine the tonality of your bass amp.

### Bass:

Controller for increasing and decreasing low frequencies.

### Mid:

Controller for increasing and decreasing the mids.

### Treble:

Controller for decreasing and increasing the heights.

## 3 POWER AMP

DynaClip™ is a dynamic limiter function that has particularly been developed for an improved bass performance. The energy utilisation in the deep frequency area is optimised, the acoustic performance is improved. In the greatest part of all stage situations, the DynaClip™ power amplifier gives the comforting feeling to have something in reserve.

### Master:

The MASTER controller determines the overall volume of the amp.

## 4 FURTHER CONNECTIONS AND OPERATING ELEMENTS

### Fx Loop:

The loop for effects is designed serially, in the signal chain, it is situated after the equalizer and before the LINE OUT. That means that also looped effects are displayed at the LINE OUT. As the signal

passes through the effects pedal in a serial way, the effect share is adjusted at the effects pedal itself.

### Send:

Connect this output with the input of the effects pedal.

### Return:

Connect the output of the effects pedal with this input.

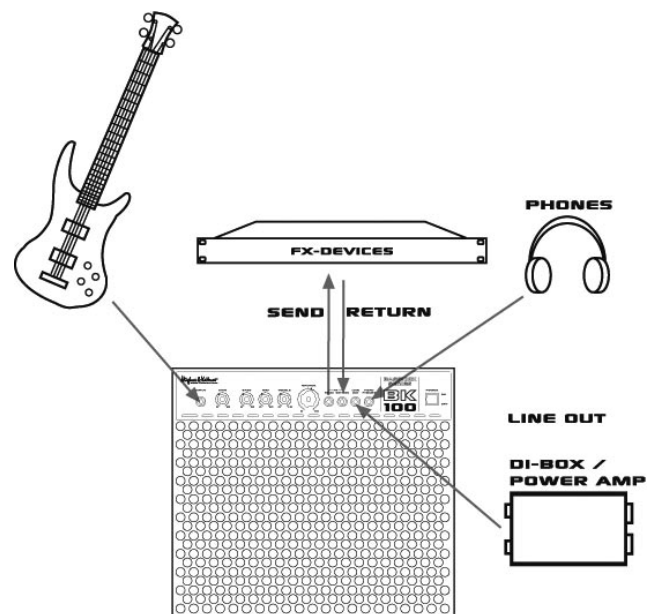
### Line Out:

The symmetrical line output reproduces the preamplifier signal including effects. As far as the circuit is concerned, it is located before the power amplifier and it is thus independent of the setting of the MASTER controller.

### Headphones:

This socket serves for the connection of headphones. If the socket is assigned, the speaker output is switched off.

## 5 STANDARD SET-UP/CABLING



## 6 TROUBLESHOOTING

### The amplifier can't be switched on.

- No mains voltage is applied. Check whether the mains connections are established correctly.
- The mains fuse is defect. Please have the mains fuse replaced by a new fuse with the corresponding value. In case of a new defect please contact your BassKick™ specialist dealer.

### The amplifier is cabled correctly but there is no sound.

- GAIN or MASTER are not turned up.
- A looped in effects pedal is not switched on or not cabled correctly. Check the loop.

- A headset is plugged in so that the speaker is switched off. Plug off the headset to play via the internal speaker.

**When using the LINE OUT socket, there is a humming noise.**

- An electrical / magnetic alternating field intersperses onto the conduit. Use a better cable and try to minimise the interspersion by another passing of the conduit. If this does not help, the utilisation of a DI box is recommended.
- Due to the earthing of the connected devices, a hum pick-up emerges. Do in no case interrupt the ground wire of the devices but do, if possible, operate both devices at one joint power distribution! If this is not possible, the connection must be separated galvanically by means of a DI box.

**When connecting a mixer at the LINE OUT, the signal on the PA is completely distorted.**

- The input of the mixer is not switched to line level. Switch the input of the mixer to line level. If this is not possible, assign an unsymmetrical (line) input at the mixer.

**The amp is too quiet.**

- A device that is operated in the loop causes level losses. The effects pedal must be levelled by means of its input/output controller.

**The amp sounds too dull**

- The tweeter is switched off

**7 MAINTENANCE AND CARE**

The BassKick™ amps are maintenance-free. There are, however, some basic rules, the compliance with which secures the high useful life of your amp:

- Do always provide for a technically unobjectionable device periphery!
- Do always provide for free air circulation at the cooling surface of your amp.
- Do in any case avoid heavy mechanical shocks, extreme heat and the permeation of dust and moisture.
- Do meticulously observe the specifications of additional devices. Do never connect outputs with too large levels (e.g. power amplifiers) to the inputs of the amp.
- Do always check the existing mains voltage before connecting the amp to the mains supply. In case of doubt, contact the stage technician, caretaker or similar persons.
- Please do never try to repair your amp yourself! Even the exchange of internal fuses should be carried out by an experienced technician only.
- The housing surface or the metal surfaces are at best cleaned with a soft dry cloth. Do in no case use alcohol or other solvents!

**8 TECHNICAL DATA**

**SECURITY SPECIFICATIONS**

Mains input voltages:	240V, 220-230V, 120V, 100V	
Primary fuses:	240V	T1A
	220-230V	T1A
	120V	T2A
	100V	T2A
Secondary fuses:	2 x T2,5A	
Power consumption:	255 watts	
Ambient air temperature in operation:	0-35 degrees Celsius	

**INPUTS**

INST. INPUT:	Socket:	Jack, unsymmetrical
	Input impedance:	1 MOhm
	Sensibility:	- 23,5 dBV
	max. input level:	+ 9,3 dBV
FX LOOP-Return:	Socket:	Jack, unsymmetrical
	Input impedance:	48 kOhm
	max. sensibility:	- 6 dBV
	max. input level:	+13,5 dBV

**OUTPUTS**

FX LOOP-Send:	Socket:	Jack, unsymmetrical
	Output impedance:	220 Ohm
	Output level:	- 6 dBV
LINE OUT:	Socket:	Jack, unsymmetrical
	Output impedance:	220 Ohm
	Output level:	0 dBV
Headphones:	Socket:	Stereo jack
	Impedance:	8-200 Ohm
Speaker equipment:	1 x 15" Eminence Bass, 4 Ohm	
	1 x Leson ceramics tweeter, 4 Ohm	
Cutoff frequency:	5 kHz	

**DIMENSIONS (W,H,D) AND WEIGHT:**

Dimensions:	498 x 565 x 355 mm
Weight:	25.5 kg
	55 lbs

**IMPORTANT ADVICE ON SAFETY!****PLEASE READ BEFORE USE AND KEEP FOR LATER USE!**

- The unit has been built by Hughes & Kettner in accordance with IEC 60065 and left the factory in safe working order. To maintain this condition and ensure non-risk operation, the user must follow the advice and warning comments found in the operating instructions. The unit conforms to Protection Class 1 (protectively earthed).

HUGHES & KETTNER ONLY GUARANTEES THE SAFETY, RELIABILITY AND EFFICIENCY OF THE UNIT IF:

- Assembly, extension, re-adjustment, modifications or repairs are carried out by Hughes & Kettner or by persons authorized to do so.
- The electrical installation of the relevant area complies with the requirements of IEC (ANSI) specifications.
- The unit is used in accordance with the operating instructions.
- The unit is regularly checked and tested for electrical safety by a competent technician.

**WARNING:**

- If covers are opened or sections of casing are removed, except where this can be done manually, live parts can become exposed.
- If it is necessary to open the unit this must be isolated from all power sources. Please take this into account before carrying out adjustments, maintenance, repairs and before replacing parts.
- The appliance can only be insulated from all power sources if the mains connection is unplugged.
- Adjustment, maintenance and repairs carried out when the unit has been opened and is still live may only be performed by specialist personnel who are authorized by the manufacturer (in accordance with VBG 4) and who are aware of the associated hazards.
- Loudspeaker outputs which have the IEC 417/5036 symbol (Diagram 1, below) can carry voltages which are hazardous if they are made contact with. Before the unit is switched on, the loudspeaker should therefore only be connected using the lead recommended by the manufacturer.
- Where possible, all plugs on connection cables must be screwed or locked onto the casing.
- Replace fuses only with IEC 127 type and specified rating.
- It is not permitted to use repaired fuses or to short-circuit the fuse holder.
- Never interrupt the protective conductor connection.
- Surfaces which are equipped with the „HOT“ mark (Diagram 2, below), rear panels or covers with cooling slits, cooling bodies and their covers, as well as tubes and their covers are purposely designed to dissipate high temperatures and should therefore not be touched.
- High loudspeaker levels can cause permanent hearing damage. You should therefore avoid the direct vicinity of loudspeakers operating at high levels. Wear hearing protection if continuously exposed to high levels.

**MAINS CONNECTION:**

- The unit is designed for continuous operation.
- The set operating voltage must match the local mains supply voltage.
- Caution: The unit mains switch must be in position OFF before the mains cable is connected.
- The unit is connected to the mains via the supplied power unit or power cable.
- Power unit: Never use a damaged connection lead. Any damage must be rectified by a competent technician.
- Avoid connection to the mains supply in distributor boxes together with several other power consumers.
- The plug socket for the power supply must be positioned near the unit and must be easily accessible.

**PLACE OF INSTALLATION:**

- The unit should stand only on a clean, horizontal working surface.
- The unit must not be exposed to vibrations during operation.
- Keep away from moisture and dust where possible.
- Do not place the unit near water, baths, wash basins, kitchen sinks, wet areas, swimming pools or damp rooms. Do not place objects containing liquid on the unit - vases, glasses, bottles etc.
- Ensure that the unit is well ventilated.
- Any ventilation openings must never be blocked or covered. The unit must be positioned at least 20 cm away from walls. The unit may only be fitted in a rack if adequate ventilation is ensured and if the manufacturer's installation instructions are followed.
- Keep away from direct sunlight and the immediate vicinity of heating elements and radiant heaters or similar devices.
- If the unit is suddenly moved from a cold to a warm location, condensation can form inside it. This must be taken into account particularly in the case of tube units. Before switching on, wait until the unit has reached room temperature.
- Accessories: Do not place the unit on an unsteady trolley, stand, tripod, base or table. If the unit falls down, it can cause personal injury and itself become damaged. Use the unit only with the trolley, rack stand, tripod or base recommended by the manufacturer or purchased together with the unit. When setting the unit up, all the manufacturer's instructions must be followed and the setup accessories recommended by the manufacturer must be used. Any combination of unit and stand must be moved carefully. A sudden stop, excessive use of force and uneven floors can cause the combination of unit and stand to tip over.
- Additional equipment: Never use additional equipment which has not been recommended by the manufacturer as this can cause accidents.
- To protect the unit during bad weather or when left unattended for prolonged periods, the mains plug should be disconnected. This prevents the unit being damaged by lightning and power surges in the AC mains supply.

**DIAGRAM 1 DIAGRAM 2****INDICACIONES DE SEGURIDAD IMPORTANTES!****¡LÉANSE ANTES DE UTILIZAR EL APARATO Y GUÁRDENSE PARA SU USO POSTERIOR!**

- El aparato ha sido producido por Hughes & Kettner según el IEC 60065 y salió de la fábrica en un estado técnicamente perfecto. Para conservar este estado y asegurar un funcionamiento sin peligros el usuario debe tener en cuenta las indicaciones y advertencias contenidas en las instrucciones de manejo. El aparato corresponde a la clase de protección I (toma de tierra protegida).

- LA SEGURIDAD, LA FIABILIDAD Y EL RENDIMIENTO DEL APARATO SOLO ESTAN GARANTIZADOS POR HUGHES & KETTNER CUANDO:
- el montaje, la ampliación, el reajuste, los cambios o las reparaciones se realicen por Hughes & Kettner o por personas autorizadas para ello;
- la instalación eléctrica del recinto en cuestión corresponda a los requisitos de la determinación del IEC (ANSI);
- el aparato se use de acuerdo con las indicaciones de uso.

**ADVERTENCIA:**

- Si se destapan protecciones o se retiran piezas de la carcasa, exceptuando si se puede hacer manualmente, se pueden dejar piezas al descubierto que sean conductoras de tensión.
- Si es necesario abrir el aparato, éste tiene que estar aislado de todas las fuentes de alimentación. Esto se debe tener en cuenta antes del ajuste, de un entretenimiento, de una reparación y de una sustitución de las piezas.
- Un ajuste, un entretenimiento o una reparación en el aparato abierto y bajo tensión sólo puede ser llevado a cabo por un especialista autorizado por el productor (según VBG 4) que conozca a fondo los peligros que ello conlleva.
- Las salidas de altavoces que estén provistas de la característica IEC 417/5036 (figura 1, véase abajo) pueden conducir tensiones peligrosas al contacto. Por ello es indispensable que antes de poner en marcha el aparato; la conexión se haya realizado únicamente con el cable de empalmes recomendado por el productor.
- Las clavijas de contacto al final de los cables conectores tienen que estar atornilladas o enclavadas a la carcasa, en tanto que sea posible.
- Sólo se pueden utilizar del tipo IEC 127 con la intensidad de corriente nominal indicada.
- El empalme del conductor de protección no se puede interrumpir en ningún caso.
- Las superficies provistas de la característica „HOT“ (figura 2, véase abajo), los paneles de fondo trasero o las protecciones con ranuras de ventilación, los cuerpos de ventilación y sus protecciones, así como las válvulas electrónicas y sus protecciones pueden alcanzar temperaturas muy altas durante el funcionamiento y por ello no se deberían tocar.
- Niveles elevados de la intensidad de sonido pueden causar continuos daños auditivos; por ello debe evitar acercarse demasiado a altavoces que funcionen a altos niveles. En tales casos utilice protecciones auditivas.

**ACOMETIDA A LA RED:**

- El aparato está proyectado para un funcionamiento continuo.
- La tensión de funcionamiento ajustada tiene que coincidir con la tensión de la red del lugar.
- Advertencia: el interruptor de la red del aparato tiene que estar en la posición OFF cuando se conecte el cable de red.
- La conexión a la red eléctrica se efectuará con la fuente de alimentación o con el cable de red que se entreguen con el aparato.
- Fuente de alimentación: una línea de conexión dañada no se puede sustituir. La fuente de alimentación no puede volver a ponerse en funcionamiento.
- Evite una conexión de la red eléctrica a distribuidores con muchas tomas de corriente.
- El enchufe para el suministro de corriente tiene que estar cerca del aparato y ser de fácil acceso.

**SITUACION:**

- El aparato debería estar situado en una superficie limpia y totalmente horizontal.
- El aparato no puede estar expuesto a ningún tipo de sacudidas durante su funcionamiento.
- Se deben evitar la humedad y el polvo.
- El aparato no puede ponerse en funcionamiento cerca del agua, la bañera, el lavamanos, la pila de la cocina, un recinto con tuberías de agua, la piscina o en habitaciones húmedas. Tampoco se pueden poner objetos llenos de líquido - jarrones, vasos, botellas, etc. - encima de él.
- Procure que el aparato tenga suficiente ventilación.
- Las aberturas de ventilación existentes no se deben bloquear ni tapar nunca. El aparato debe estar situado como mínimo a 20 cm de la pared. El aparato sólo se puede montar en un rack, si se ha procurado la suficiente ventilación y se han cumplido las indicaciones de montaje del productor.
- Evite los rayos del sol directos así como la proximidad a radiadores, electro-radiadores o aparatos similares.
- Si el aparato pasa repentinamente de un lugar frío a otro caliente, se puede condensar humedad en su interior. Esto se debe tener en cuenta sobretodo en los aparatos con válvulas electrónicas. Antes de poner en marcha el aparato se debe esperar hasta que éste haya adquirido la temperatura ambiental.
- Accesorios: el aparato no se puede colocar encima de carros, estantes, trípodes, soportes o mesas inestables. Si el aparato se cae puede causar daños personales y se puede estropear. Coloque el aparato sólo en un carro, rack, estante, trípode o soporte recomendado por el productor o que se le haya vendido junto con el aparato. En la instalación se deben seguir las indicaciones del productor así como utilizar los accesorios recomendados por el mismo para colocarlo encima. El conjunto del aparato con el pedestal se debe mover con mucho cuidado. Un paro brusco, la aplicación de una fuerza desmesurada o un suelo irregular puede ocasionar la caída de todo el conjunto.
- Piezas adicionales: no utilice nunca piezas adicionales que no estén recomendadas por el productor, ya que se podrían provocar accidentes.
- Para proteger el aparato de una tormenta o si no se supervisa ni utiliza durante algún tiempo, se debería desconectar la clavija de la red. Así se evitan daños en el aparato a causa de un rayo y golpes de tensión en la red de corriente alterna.

**FIGURA 1****FIGURA 2**

This is to certify that

**HUGHES & KETTNER BASSKICK 100**

complies with the provisions of the Directive of the Council of the European Communities on the approximation of the laws of the Member States relating to electromagnetic compatibility (EMC Directive 89/336/EEC) and the low voltage Directive (73/23/EEC). This declaration of conformity of the European Communities is the result of an examination carried out by the Quality Assurance Department of STAMER GmbH in accordance with European Standards EN 50081-1, EN 50082-1 and EN 60065 for low voltage, as laid down in Article 10 of the EMC Directive.



Stamer Musikanlagen GmbH\*  
Magdeburger Str. 8  
66606 St.Wendel



Lothar Stamer Dipl.Ing.  
Managing Director  
St.Wendel, 02/17/2004

\* Stamer Musikanlagen manufactures exclusively  
for Hughes & Kettner

Für das folgend bezeichnete Erzeugnis

**HUGHES & KETTNER BASSKICK 100**

wird hiermit bestätigt, dass es den wesentlichen Schutzanforderungen entspricht, die in der Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedsstaaten über die elektromagnetische Verträglichkeit (89/336/EWG) und der Niederspannungsrichtlinie (73/23/EWG) festgelegt sind. Diese Erklärung gilt für alle Exemplare, und bestätigt die Ergebnisse der Messungen, die durch die Qualitätssicherung der Fa. Stamer Musikanlagen GmbH durchgeführt wurden. Zur Beurteilung des Erzeugnisses hinsichtlich elektromagnetischer Verträglichkeit wurden folgende Normen herangezogen: EN 50081-1 • EN 50082-1. Zur Beurteilung der Einhaltung der Niederspannungsrichtlinie wurde folgende Norm herangezogen: EN 60065

Diese Erklärung wird verantwortlich für den Hersteller



Stamer Musikanlagen GmbH\*  
Magdeburger Str. 8  
66606 St.Wendel

abgegeben durch



Lothar Stamer Dipl.Ing.  
Geschäftsführer  
St.Wendel, den 17.02.2004

\* Stamer Musikanlagen stellt exklusiv für Hughes & Kettner her

BASSKICK  
SERIES

**BK**  
**100**



HUGHES & KETTNER - POSTFACH 1509 - 66595 ST. WENDEL - TEL. +49 (0) 68 51 - 905 0 - FAX. +49 (0) 68 51 - 905 103  
INTERNATIONAL INQUIRIES: FAX +49 - 68 51 - 905 200 - E-MAIL: [HKINTERNATIONAL@HUGHES-AND-KETTNER.COM](mailto:HKINTERNATIONAL@HUGHES-AND-KETTNER.COM)  
[WWW.HUGHES-AND-KETTNER.COM](http://WWW.HUGHES-AND-KETTNER.COM)