

# OWNER'S MANUAL

# **ButtKicker**<sup>®</sup>

## *Power Amplifier BKA1000-P*



Serial Number:

Please record the serial number from the rear panel of your amplifier for reference.

# IMPORTANT SAFETY INSTRUCTIONS

## READ BEFORE OPERATING EQUIPMENT

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### WARNING

Do not ingest the battery, Chemical Burn Hazard

(The remote control supplied with) This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it

can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

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|  | <b>CAUTION</b><br>RISK OF ELECTRIC SHOCK<br>DO NOT OPEN |  |
| <b>ATTENTION</b><br>RISQUE DE CHOC ÉLECTRIQUE<br>NE PAS OUVRIR                    |   |   |

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| <p><b>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,<br/>DO NOT REMOVE COVER (OR BACK)<br/>NO USER-SERVICEABLE PARTS INSIDE</b></p> <p><b>REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</b><br/>ATTENTION: POUR RÉDUIRE LE RISQUE DE CHOC ÉLECTRIQUE,<br/><b>NE RETIREZ PAS LE COUVERCLE (OU LE DOS)</b></p> <p><b>AUCUNE PIÈCE RÉPARABLE PAR L'UTILISATEUR À L'INTÉRIEUR</b><br/>RÉFÉRER L'ENTRETIEN À UN PERSONNEL QUALIFIÉ</p> |
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The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage " within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Le symbole de la fêche situé dans un triangle équilatéral sert à alerter l'utilisateur de la présence d'une "tension dangereuse" non isolée à l'intérieur du boîtier du produit pouvant être suffisamment importante pour constituer un risque de choc électrique pour les personnes.


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



Le point d'exclamation dans un triangle équilatéral est destiné à alerter l'utilisateur de la présence d'instructions importantes d'utilisation et de maintenance (entretien) dans la documentation accompagnant le produit.

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| <p><b>WARNING</b><br/>TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,<br/>DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.</p> <p><b>CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE<br/>BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.</b></p> |
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| <p><b>ATTENTION</b><br/>POUR RÉDUIRE LE RISQUE D'INCENDIE OU<br/>D'ÉLECTROCUTION, N'EXPOSEZ PAS CET APPAREIL À LA<br/>PLUIE OU À L'HUMIDITÉ.</p> <p><b>ATTENTION: POUR ÉVITER LES CHOCs ÉLECTRIQUES<br/>LAME DE FICHE À LA GRANDE FENTE, ENTièrement<br/>INSÉRÉE</b></p> |
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|---|---|
|  | <p>Earth symbol. The apparatus shall be connected to a mains socket outlet with a protective earthing connection.</p> <p>Symbole de la terre. L'appareil doit être branché sur une prise secteur avec une connexion de protection à la terre.</p> |
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**RoHS**  
Compliant

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## *Amplifier Usage Guidelines*

This amplifier is designed for use with the following ButtKicker® transducer models only:

BK-LFE.....(quantity 4 max)  
BK-CT.....(quantity 4 max)  
BK-mini-CT.....(quantity 4 max)  
BK-mini-LFE.....(quantity 8 max)  
BK4-4.....(quantity 8 max)

Please refer to the wiring diagrams available at [TheButtKicker.com](http://TheButtKicker.com) for connection information

## *Amplifier Specifications*

**Dimensions:** 12.7" L x 16.9" W x 3.8" H / 32.35cm x 43cm x 9.75cm  
with rack ears 12.7" L x 19" W x 3.8" H / 32.35cm x 48.5 cm x 9.75cm

**Weight:** 13.45 lbs./ 6.1 kgs.

**Power Output:** 1300 watts RMS @ 2 ohms / 2100 watts Peak  
920 watts RMS @ 4 ohms / 1200 watts Peak  
*\*Based on one-third power duty cycle*

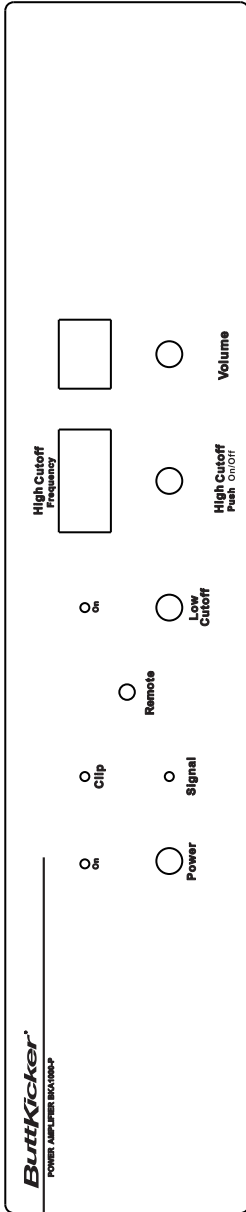
**Frequency Response:** 10 - 300Hz

**Input Sensitivity:** 160 mVolt - RCA  
1.25V - TRS Balanced

**High Cut Filter:** 40Hz - 160Hz -3dB User Selectable  
Roll-off: -12dB/Octave

**Low Cut Filter:** 25Hz -3dB

Front Panel



## *Amplifier Operation - Front Panel (From Left to Right)*

### **POWER**

Power on or off the BKA1000-P. The power indicator LED will illuminate green when the amplifier is on and red when the amplifier is off or in standby mode, activated after ~ 20 minutes without signal

### **POWER STATUS INDICATOR (Red/Green LED)**

Red indicates two possible modes. (1) the amplifier is in Off mode, or (2) the amplifier was on, but reverted to Standby mode after 20 minutes of not receiving input signal. If the amplifier is in Standby mode (Red), and an input signal is reapplied, the amplifier circuits will automatically energize and the indicator light will turn green. Green indicates that all amplifier circuits are energized and ready to function. After 20 minutes of no input signal, the amplifier will revert back to the low power Standby mode.

### **CLIP INDICATOR LIGHT (Red LED)**

Illuminates when maximum output is approached.

### **SIGNAL INDICATOR LIGHT (Green LED)**

Illuminates when a signal passes through the circuits to the amplifier's output terminal.

### **REMOTE**

IR Sensor for the included remote control.

### **LOW FILTER CUTOFF PUSH SWITCH**

Pushing this button engages the low-cut filter which reduces all frequencies below 25Hz (-3dB) at a roll-off rate of 12dB per octave.

### **HIGH CUTOFF FREQUENCY**

Displays the frequency above which frequencies are rolled off.

### **HIGH CUTOFF FILTER PUSH SWITCH**

Engages the High Cutoff that rolls off the higher frequencies (-3db, roll-off rate of 12dB per octave).

### **VOLUME**

Adjust the volume level (intensity) of the amplifier.

### **POWER STATUS INDICATOR (Orange LED Fault Indicator)**

See Page 11 for Fault Statuses and solutions.

# Rear Panel





## *Amplifier Operation - Rear Panel (From Left to Right)*

### **LINE LEVEL INPUT (RCA)**

RCA/phono input jack. Input sensitivity of 160mV

### **HIGH LEVEL INPUT (TRS)**

Balanced TRS input jack. Input sensitivity of 1.25V

### **SPEAKER LEVEL OUTPUT BINDING POSTS - Bridged**

Used for attaching speaker wire to the ButtKicker® Unit(s). *NOTE: Please see the Amplifier Usage Guidelines on page 5 for a list of ButtKicker® models that can be used with this amplifier.* Turn the amplifier off before connecting to the Speaker Output. Wire sizes of 16 gauge and larger are recommended. Binding posts will accept banana type connectors or bare wire.

### **VOLTAGE SELECTOR**

Select either 120V or 220V-240V operation. Amplifier must be unplugged before Voltage Selector is moved. 120V operation requires T15A fuse. 220V-240V operation requires T10A fuse. Improper voltage selection for your local voltage and/or improper fuse use may damage the amplifier and is not covered under warranty.

### **IEC TYPE POWER CORD RECEPTACLE**

Attach one end of power cord here for operation.

### **FUSE HOLDER (INTEGRATED INTO THE POWER RECEPTACLE)**

Fuse for 120V~ operation:T15A.

Fuse for 220V-240V~ operation:T10A.

A spare fuse is also contained in the fuse holder for your convenience. Pull straight out after removing power cord. Both the active fuse and the spare fuse are removed.

## Remote Control Operation



### POWER BUTTON

The Power Button duplicates the Power Button on the front panel of the amplifier. Please refer to the POWER BUTTON and POWER STATUS INDICATOR sections under “Amplifier Operation - Front Panel” on page 07 for operation information

### VOLUME

The Volume Buttons duplicate the Volume dial on the front panel of the amplifier. Please refer to the VOLUME section under “Amplifier Operation - Front Panel” on page 07 for operation instructions.

### EQ Control

Select Low-Cut to turn on/off the Low-Cut Filter. Select High-Cut to turn on/off the High-Cut Filter. Set the High Cut Filter Frequency using the High Cut Hz buttons.

## Rack Ears

### Installation to BKA1000-P

Removable rack-mount ears are included. Attach to the front panel mounting points using the provided hardware.

### Installation to Rack

Follow the instructions provided by your rack manufacturer to ensure a safe and secure installation.

## Cooling

### General Cooling Requirements

The BKA1000-P is fan-less (convection cooling). Ensure a minimum of 1.5" / 3.8cm of clear air flow above and to the sides of the amplifier.

### Rack Cooling Requirements

Ensure a minimum of 1 RU (rack unit) of clearance between the BKA1000-P and all other devices mounted in rack. If multiple BKA1000-P units are installed in the same rack then a rack cooling fan must be utilized to ensure proper cooling, with open or vented rack panel between.

### **POWER STATUS INDICATOR (Orange LED Fault Indicator)**

If Power Status Indicator begins flashing orange, the amplifier has experienced a problem and entered a fault mode.

### **THERMAL PROTECTION**

This occurs if the amplifier's internal temperature becomes too high. The Power Status Indicator will change from Green to Blinking Orange, and output from amplifier will stop. Once the internal temperature has lowered sufficiently, the amplifier will resume normal operation and output.

### **OVERCURRENT PROTECTION**

If there is an impedance issue with the transducer(s) attached to the output or with the power voltage, the amplifier will enter this mode. The Power Status Indicator will change from Green to Blinking Orange and output from amplifier will stop.

Remove the output connections from the amplifier. Check the wiring and transducer(s) that were previously connected to the amplifier. Check the impedance of the attached transducer(s) and wiring. Check AC power voltage. After the above has been verified as correct, reconnect the transducer(s) and power then power on the amplifier. If all is correct, the amplifier will resume normal operation and output.

If the amplifier does not exit fault mode, remove all output and input connections then power on the amplifier.

If the amplifier remains in the fault mode, contact support.

### **DC PROTECTION**

If the input signal to the amplifier is too high and excessive clipping occurs, the amplifier will enter this mode. The Power Status Indicator will change from Green to Blinking Orange and output from amplifier will stop. Unplug the input connection to the amplifier. Reset amplifier with the power button, lower amplifier volume. Check the signal source and lower its output level as well if necessary. Reconnect input connection. Amplifier will resume normal operation and output if signal levels have been lowered sufficiently.

If the amplifier does not exit fault mode, remove all output and input connections then power on amplifier.

If the amplifier remains in fault mode, contact support.

If the cause of the orange light is still unclear after reviewing this information, remove power and disconnect all input and output connections from the amplifier.

Wait at least 30 minutes before reconnecting AC power and attempting to power on again.

If the amplifier remains in fault mode, contact support.



If you have questions or need technical support, please contact The Guitammer Company, not the store where you purchased the product.

The Guitammer Company

Email us at:  
support@guitammer.com

Visit us on the web at:  
www.thebuttkicker.com

## *More Information*

Visit [www.thebuttkicker.com](http://www.thebuttkicker.com) for support, FAQs, more information and details on this, and other ButtKicker® brand products and accessories.

## *Limited Warranty*

Your ButtKicker Power Amplifier BKA1000-P is warranted against failure for 1 YEAR unless otherwise stated. The Guitammer Company will service and supply all parts at no charge to the customer providing the unit is under warranty. Shipping costs are the responsibility of the customer. THE GUITAMMER COMPANY DOES NOT PAY FOR PARTS OR SERVICING OTHER THAN OUR OWN. A COPY OF THE ORIGINAL INVOICE IS REQUIRED TO VERIFY YOUR WARRANTY.

The Guitammer Company assumes no responsibilities for ButtKicker® low frequency audio transducers or speakers damaged by this unit. This warranty does not cover, and no liability is assumed, for damage due to: natural disasters, accidents, abuse, loss of parts, lack of reasonable care, incorrect use, or failure to follow instructions. This warranty is in lieu of all other warranties, expressed or implied. No representative or person is authorized to represent or assume for The Guitammer Company any liability in connection with the sale of servicing of products of The Guitammer Company. THE GUITAMMER COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

When RETURNING merchandise to The Guitammer Company, you may call or email for a return authorization number. Describe in writing each problem. If your unit is out of warranty, you will be charged the current FLAT RATE for parts and labor to bring your unit up to factory specifications.



THE GUITAMMER COMPANY

...leaders in low frequency sound...

**ButtKicker®**

Feel what you've been missing...