



**VK-6200**

**WARRANTY REGISTRATION FORM**

Unit Serial Number: \_\_\_\_\_

Customer Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Date of Purchase: \_\_\_\_\_

Purchased From:

Dealer Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**IMPORTANT NOTE:**

In order to receive the full five year product warranty, please mail this completed form together with a copy of your sales receipt to Balanced Audio Technology at the address below, within **thirty days** of purchase.

Failure to do so will result in the product being warrantied for **one year** from the date of manufacture.



# **VK-6200**

## **Multi-Channel Power Amplifier**



## **Owner's Manual**

## Introduction

Thank you for your purchase of the Balanced Audio Technology VK-6200 balanced power amplifier. Please read this owner's manual to obtain the full benefit of the VK-6200 in your system. It will provide you with the needed safety information and operating procedures for this exceptional unit.

### WARNINGS:

To prevent the possibility of serious injury, electrical shock or fire:

**DO NOT** operate with the cover removed.

**DO NOT** expose to rain or moisture.

**DO NOT** defeat the ground power-plug.

**DO NOT** replace fuses with anything other than the same type and rating as supplied by the factory.

## Package Contents

Included in the box should be the following:

<b>Description</b>	<b>Quantity</b>
VK-6200 Power Amplifier	1
Power Cord	1
Spare Fuses	3
Spare Top Cover Screws	5
Owner's Manual	1
Optional Accessories	(as ordered)

Save all the packaging material in a safe dry area for the unlikely event that you need to return the VK-6200 to the factory for service.

## Physical Placement

It is recommended that you provide for at least 6" of free space around the unit for proper ventilation. High power amplifiers like VK-6200 benefit from extra ventilation around them. Providing unobstructed air flow around the unit will assure cooler operation of its internal components and will extend its service life.

Mount the unit on a hard surface with proper ventilation underneath.

Do not stack the VK-6200 power amplifier on top of other units, nor vice versa.

### IMPORTANT NOTES:

To assure reliable operation always turn the VK-6200 OFF while making or changing input or speaker connections. **No connections should be made while the amplifier is ON.**

If the VK-6200 was turned OFF for any reason, wait at least 30 seconds before turning it back ON.

## Input Connections

Best results will be obtained when connecting the VK-6200 to a balanced preamplifier. However, the VK-6200 is designed to accept either balanced or single-ended inputs.

Each channel of VK-6200 has two input connectors – one XLR for balanced connections, and one RCA for use with single-ended interconnects. Input selector switch allows you to select the right input connector for your application.

## Speaker Connections

Each channel of VK-6200 is equipped with one pair of high quality binding posts. These can accommodate a wide variety of speaker cable terminals. You can use a 7/16" wrench to tighten these binding posts, however excessive force should be avoided to eliminate the chance of breakage.

## Operating the VK-6200

### Turning the VK-6200 On:

The power switch is located in the center of the front panel of the VK-6200. Pressing on the top of switch bar will turn the unit ON and OFF, provided the VK-6200 is not in its Standby mode (see below for operation in Standby mode).

### Front Panel Indicators:

There are three LED indicators on the front panel of the VK-6200:

1. Blue Power ON indicator
2. Green STANDBY indicator.
3. Red FAULT indicator

Their operation is described below:

### Blue Power On indicator:

It comes ON when the unit is powered up. Pressing the power switch will make the unit alternate between its ON and OFF state, provided it is not in its STANDBY mode.

NOTE: Your VK-6200 is equipped with a smart power ON management circuit. This circuit applies power only to those channels that are installed. It does so in sequence, minimizing the initial power surge in order not to stress your power line. When turning the VK-6200 ON you will hear several relay clicks inside the unit. The number of clicks will be equal to the number of channels installed in the chassis.

When additional channels are installed in the VK-6200 chassis, the circuit will automatically recognize them and power them up in proper sequence.

### **Green Standby Indicator:**

The green indicator comes ON when the unit is in its Standby mode. In this case, pressing the POWER switch will make the unit alternate between OFF and Standby states.

**NOTE:** VK-6200 is automatically switched into its Standby mode when a remote control plug is installed in the Remote IN jack on the back panel. In that case VK-6200 can be only turned ON by application of the remote 12V trigger signal to the remote IN connector. A 3.5mm Mono Phone Plug is used for the remote control connector. It should be wired as follows:

Case (Outer Lead)	Negative
Center Lead	+12V Trigger Source

### **Red Fault Indicator:**

The red FAULT indicator will come ON when the unit detects any kind of fault condition with any of its channels.

The possible reasons include:

1. Channel overheating. In this case the Fault LED will be flashing until the channel has a chance to cool down to its normal operating temperature. At this point the Fault indicator will turn OFF.
2. One of the amplifier channels had detected an internal fault. In this case the Fault LED will stay ON. It is advisable in such a case to turn the VK-6200 OFF for several minutes and then turn it ON again. In some cases this may clear the fault and the unit may resume normal operation.
3. If the RED Fault indicator stays ON permanently, then the unit may have an internal fault that requires service.

### **Remote Control Connectors:**

The VK-6200 is equipped with Remote IN and OUT connectors mounted on its back panel. These allow the amplifier be turned ON remotely from any controller equipped with +12V trigger signal output. The external +12V trigger voltage should be applied to the Remote IN connector (see above on the proper way to wire the remote control plug). In cases when multiple units should be triggered by the same remote control signal, the Remote OUT connector can be used to transmit the +12V signal to the next unit. The same type 3.5mm Mono plug should be used for that purpose as well.

### **Fuse Protection:**

The VK-6200 is protected by a main fuse located on its back panel:

This fuse is rated as follows:

110/120VAC configuration                      15A Slow Blow

200/230/240VAC                                10A Slow Blow

**NOTE: Please make sure that the fuse is replaced only with the same type and rating fuse.**

### **CAUTION:**

Make sure that the VK-6200 is turned OFF and disconnected from the power line before proceeding with checking or replacing fuses.

A blown fuse in the VK-6200 is an indication of a serious problem. If a replacement fuse fails as well, no further attempts at servicing the unit should be undertaken. Please contact the factory for professional service.

## **Servicing**

The Balanced Audio Technology VK-6200 does not require periodic service to maintain its high performance. In case of malfunction, (when replacing fuses fails to eliminate the problem) please direct any further service inquiries to the factory.

## **Cleaning**

To remove dust, occasionally wipe the front and top surfaces of your VK-6200 with a damp soft cloth. If fingerprints appear, you may use a mild, non-alkaline soap solution. Do not use abrasive cleaners, as they may damage the fine finish of the unit.

## **Specifications:**

Number of Channels	From 2 to 6
Output Power into 8 Ohm	200Wpc
Output Power into 4 Ohm	400Wpc
THD at Rated Power	Less than .2%
Gain:	23dB in balanced mode 29dB in single-ended mode
Input Impedance	47k $\Omega$ each phase
Dimensions:	19" x 10.5" x 23"
Weight	100lb for two-channel chassis 20lb each additional channel



**WARNING:**  
Blowouts Shown Hazard  
Refer Service To Qualified  
Personnel.

**WARNING:**  
For Continued Protection Against  
Fire Hazard Replace Only With Same  
Type And Rating Fuse.

Fuse - Refer To User Manual For  
Proper Rating and Type.

1800 VA Max  
50-60 Hz  
Line

12V Trigger  
IN      OUT

Made in USA

Model: **VK6200**  
Multi-Channel Amplifier

Balanced Audio Technology,  
W i l l i n g t o n .

# Five Year Limited Warranty

## Terms and Conditions

### 1. Limited Warranty

Upon receipt of the attached warranty registration form, Balanced Audio Technology warrants the purchased product to be free from manufacturing, materials, and workmanship defects for **five years** from date of original purchase, subject to the following conditions. **Failure to return the enclosed registration form within 30 days from original purchase will result in a warranty period of one year from the date of manufacture.**

### 2. Limited to Original Purchaser

This warranty is for the sole benefit of the original purchaser of the covered product, and may not be transferred to a subsequent purchaser of the product.

### 3. Conditions and Limitations

This warranty is subject to certain conditions and limitations, as follows. This warranty is void and inapplicable if the product has not been used in accordance with the instructions found elsewhere in this manual, or if it has been misused or abused, damaged by accident or neglect, or in transport once in possession of the purchaser. The warranty is also void if the product has been repaired, modified, or tampered with by anyone other than Balanced Audio Technology or its specifically authorized agents.

### 4. Remedy

If this product contains a materials, manufacturing, or workmanship defect that cannot be repaired at the dealership where the product was purchased, it must be packed in original packaging and returned to Balanced Audio Technology via insured freight, at the owners expense. If replacement packaging materials are required, they will be supplied by the factory at a nominal charge. **Returned products must be accompanied by a written description of the defect, and a return authorization number (available from the factory via phone or fax).** Upon receipt of defective product, Balanced Audio Technology agrees to repair the product without charge for parts (except vacuum tubes if the unit is more than one year old), or labor. The product will then be returned via prepaid, insured freight, with carrier at the sole determination of Balanced Audio Technology. This constitutes the purchasers sole remedy.

### 5. Design Changes

Balanced Audio Technology reserves the right to modify its products or change specifications at any time without obligation or liability to previous purchasers.

### 6. Miscellaneous

Any implied warranties relating to the above product shall be limited to the duration of this warranty. This warranty does not extend to any incidental or consequential costs or damages to the purchaser. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.