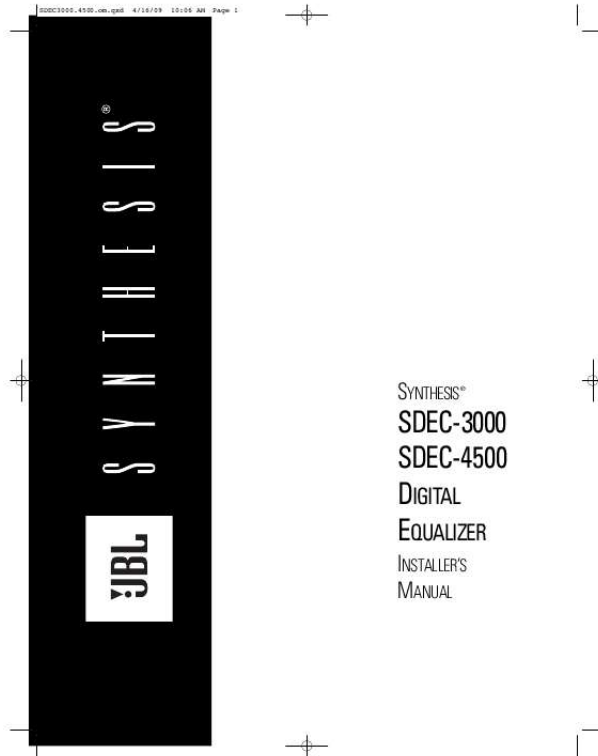




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for JBL SDEC 3000. You'll find the answers to all your questions on the JBL SDEC 3000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual JBL SDEC 3000**  
**User guide JBL SDEC 3000**  
**Operating instructions JBL SDEC 3000**  
**Instructions for use JBL SDEC 3000**  
**Instruction manual JBL SDEC 3000**



[You're reading an excerpt. Click here to read official JBL SDEC 3000 user guide](http://yourpdfguides.com/dref/3930615)  
<http://yourpdfguides.com/dref/3930615>

*Manual abstract:*

4500.om.qxd 4/16/09 10:06 AM Page 1 SYNTHESIS ® SDEC-3000 SDEC-4500 DIGITAL EQUALIZER INSTALLER'S MANUAL SDEC3000.4500.om.qxd  
4/16/09 10:06 AM Page 2 CONTENTS PRECAUTIONS . . . . .

. . . . .  
. . . . .  
. . . . .

. . . . .  
. . . . .  
. . . . .

. . . . .  
. . . . .  
. . . . .

*. . . 3 INTRODUCTION AND FEATURES . . . . .*

. . . . .  
. . . . .  
. . . . .

. . . . .  
. . . . .  
. . . . .

. . . . .

*. . . 4 DETAILED DIAGRAMS . .*

. . . . .

. . . . .  
. . . . .  
. . . . .

. . . . .  
. . . . .  
. . . . .

*5 FRONT PANEL . . . . .*

. . . . .  
. . . . .

. . . . .  
. . . . .  
. . . . .

. . . . .  
. . . . .  
. . . . .

*. . . . . 5 REAR PANEL . .*

. . . . .  
. . . . .  
. . . . .

. . . . .  
. . . . .  
. . . . .

.....  
.....  
..6 INPUT/OUTPUT ASSIGNMENTS...

.....  
.....  
.....

.....  
.....  
.....

..7 SDEC-3000 .....

.....  
.....

.....  
.....  
.....

.....  
.....

..7 SDEC-4500 .....

.....  
.....  
.....

.....  
.....  
.....

8 SDEC-4500 WITH BI-AMPLIFIED FRONT SPEAKERS .....

.....  
.....

.....  
.....

..9 SDEC-4500 WITH FULL-RANGE FRONT SPEAKERS .....

.....  
.....  
.....

...10 CONNECTION TO THE REST OF THE JBL SYNTHESIS © SYSTEM .....

.....  
.....

.....  
.....

.....11 SDEC-3000 ...

.....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....

*11 SYNTHESIS TWO ARRAY TM . . . . .*

.....

.....  
.....  
.....  
.....

.....  
.....

*11 SYNTHESIS THREE ARRAY . . . . .*

.....

.....  
.....  
.....  
.....

.....  
.....

*11 SYNTHESIS FOUR . . . . .*

.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*.11 SYNTHESIS PROJECT ARRAY TM . . . . .*

.....  
.....  
.....  
.....

.....  
.....

*...11 SDEC-4500 . .*

.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*.....12 SYNTHESIS ONE ARRAY . . . . .*

.....  
.....

.....  
.....  
.....  
.....

.....12 SYNTHESIS ATLASTM.....

.....  
.....  
.....  
.....

.....12 SYNTHESIS K2®.....

.....  
.....  
.....  
.....  
.....

.....13 SYNTHESIS EVEREST.....

.....  
.....  
.....  
.....

.....14 TECHNICAL SPECIFICATIONS.....

.....  
.....  
.....  
.....  
.....  
.....  
.....

.....15 2 SDEC3000.4500.om.qxd 4/16/09 10:06 AM Page 3 IMPORTANT SAFETY PRECAUTIONS! PLEASE READ CAREFULLY ALL OF THE FOLLOWING IMPORTANT SAFEGUARDS THAT ARE APPLICABLE TO YOUR EQUIPMENT Read these instructions.

Keep these instructions. Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with a dry cloth. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. 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 is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. 10. @@11. Only use attachments/accessories specified by the manufacturer. 12. @@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. 15. @@16. @@@@For products intended to operate from battery power, or other sources, refer to the operating instructions. 17. If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of

the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

See Figure A. 18. An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal. 19.

20. 21. 22. Refer all servicing to qualified service personnel.

23. 24. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition. 25. The product should be mounted to a wall or ceiling only as recommended by the manufacturer. Figure A. Example of Antenna Grounding as per National Electrical Code ANSI/NFPA 70 1. 2. 3. 4.

5. 6. 7. 8. Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. 3 SDEC3000.4500.om.qxd 4/16/09 10:06 AM Page 4 INTRODUCTION AND FEATURES INTRODUCTION

Congratulations on your purchase of this JBL Synthesis® SDEC Digital Equalizer! You have chosen a product that embodies the best of what JBL, Inc., has discovered about the emotional power of audio reproduction in more than sixty years of preeminence in the field.

This Digital Equalizer has been designed and crafted to provide the user with a high level of sonic performance. Special attention has been paid to minimize the number of components in the audio signal path, resulting in extremely low distortion, excellent transient response and wide dynamic range. Synthesis® products set new benchmarks in audio technology, and, when used as part of a complete JBL Synthesis system, will bring the ambience and acoustics of some of the world's greatest concert halls and theaters into your home. Today, JBL Synthesis systems move beyond the competition yet again.

The LED will light at +18.

5dB. SIGNAL Illuminated The signal LED will light for each channel of a fitted input or output card when the signal reaches or exceeds the signal threshold of 20dB. SYNC/48V This feature is currently not supported by JBL Synthesis (lights to indicate that + 48V "phantom" power has been activated for the relevant channel of a fitted input card or that Digital Sync is valid).



[You're reading an excerpt. Click here to read official JBL SDEC 3000 user guide](#)

<http://yourpdfguides.com/dref/3930615>







3AL, 250V 6.3A SLO-BLO FUSE BRIDGED MINIMUM IMPEDANCE 8 OHMS BRIDGED MONO BRIDGED MINIMUM IMPEDANCE 8 OHMS BRIDGED MONO BRIDGED ATTENTION: VOIR LE CAHIER D'INSTRUCTION 120V 60Hz 800W MINIMUM IMPEDANCE 4 OHMS STEREO ATTENTION: VOIR LE CAHIER D'INSTRUCTION 120V 60Hz 800W S820 820 MODE PUSH PUSH 1 2 S820 CHASSIS GROUND TRIGGER OUT IN 3-24 VDC S820 820 MODE PUSH PUSH 1 2 CHASSIS GROUND OUT TRIGGER IN 3-24 VDC BRIDGED BRIDGED BRIDGED MONO STEREO BRIDGED MONO STEREO 2 3 2 3 3 1 MINIMUM IMPEDANCE 8 OHMS BRIDGED MONO MINIMUM IMPEDANCE 4 OHMS STEREO 3 1 T6.3AL, 250V 6.3A SLO-BLO FUSE T6.3AL, 250V 6.3A SLO-BLO FUSE T6.3AL, 250V 6.3A SLO-BLO FUSE BRIDGED BRIDGED MINIMUM IMPEDANCE 8 OHMS BRIDGED MONO MINIMUM IMPEDANCE 4 OHMS STEREO ATTENTION: VOIR LE CAHIER D'INSTRUCTION 120V 60Hz 800W S820 S820 14 SDEC3000.4500.om.qxd 4/16/09 10:06 AM Page 15 SPECIFICATIONS INPUTS UP TO 12 ANALOG; ELECTRONICALLY BALANCED ON PHOENIX/COMBICON REMOVABLE SCREW CONNECTORS MIC/LINE INPUTS: MAXIMUM INPUT LEVEL: CMRR: EQUIV. @ @BETWEEN DEVICE AND ETHERNET SWITCH 2 X RJ45 CONNECTORS 100M/300 FT.

@@@BlueLink is a trademark of Texas Instruments and its subsidiaries. Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries. 15 SDEC3000.4500.om.qxd 4/16/09 10:06 AM Page 16 Declaration of Conformity We, Harman Consumer Group, Inc. 2, route de Tours 72500 Château du Loir France Harman High-Performance A/V 1718 W.

Mishawaka Road Elkhurst, IN 46517 516.594.0300 8500 Balboa Boulevard Northridge, CA 91329 818.830.8757 www.

jblsynthesis.com declare in own responsibility that the products described in this owner's manual are in compliance with technical standards: EN 61000-6-3:2001 EN 61000-6-1:2001 Luc Guillaume Harman Consumer Group, Inc. Château du Loir, France 4/09 Part No. SDEC3000/4500 OM 4/09 .



[You're reading an excerpt. Click here to read official JBL SDEC 3000 user guide](#)

<http://yourpdfguides.com/dref/3930615>