



XMP300BT Gen2 / XMP100BT Gen2 Stereo Power Amplifiers

OWNERS'S MANUAL

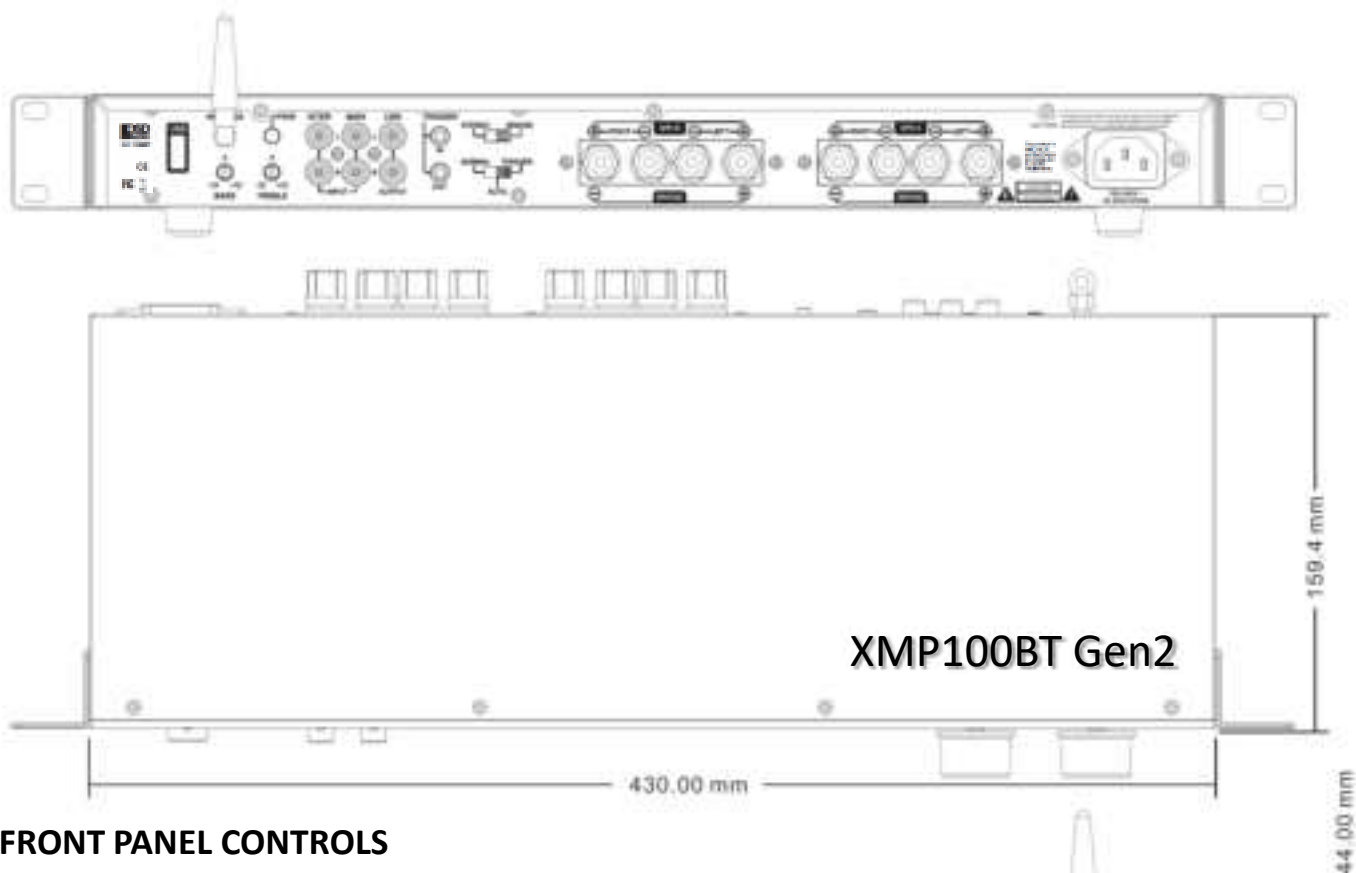


FEATURES: XMP100BT Gen2 / XMP300BT Gen2

- Automatic Source Switching Interrupt-Priority/Main
- Main Input with Main Output Pass thru
- Speaker A or B, A and B w/Front panel Switches'
- Front Panel Balance and Volume Controls
- Signal Sensing "Power On" and Trigger In/Out
- Rear Mounted Bass and Treble Controls
- Internal Bluetooth Source/ USB Music Playback

Congratulations on your purchase of this product.

Please take a few moments to read this entire manual, And be sure to retain this document for future reference. Please read and observe all safety instructions detailed. NOTE: If any part of this product is damaged or missing, please call your dealer. Please read your warranty and retain your receipt and original carton for possible future use.



FRONT PANEL CONTROLS



1. Power Switch
Power On (Green LED) or OFF
LED changes to Red when in Standby
2. Speaker Selector
Select Speaker A or Speaker B or Both at once
3. Balance Knob
Fades Speaker output between the R & L Channels
4. Volume Control Knob
Adjusts Volume Level

REAR PANEL

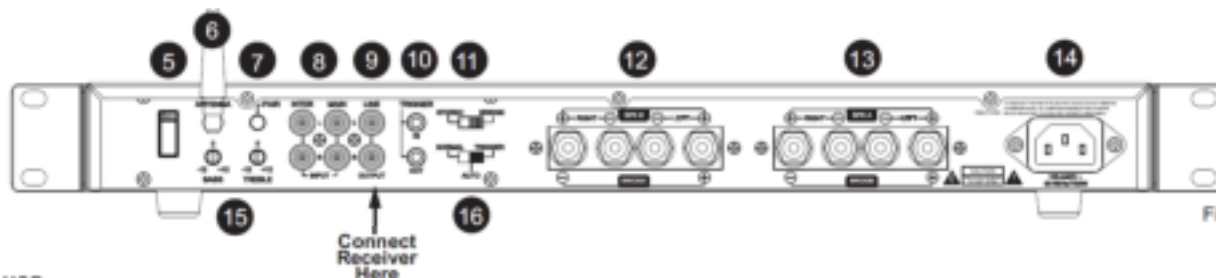


Figure 2. Rear Panel

- 5. USB**
Used to play U disk music. When the U disk storing MP3 music format is inserted into this USB socket, whether it is currently playing Bluetooth music or music input by the main channel, it will automatically switch to the U disk music playback mode.
- 6. Antenna**
This is a Bluetooth antenna, if this antenna is not installed, the Bluetooth receiving distance will be very short, and even Bluetooth cannot be connected.
- 7. Pair**
Pair buttons, hold press this button, see the power blue indicator turns to flash, then release, and the amplifier enters the state of searching for Bluetooth devices. If the connection to the Bluetooth device is successful, the power Bluetooth LED indicator will change from flashing to permanently on.
- 8. Inter Line Input**
This is the secondary input, use MAIN IN or U disk music or Bluetooth music for your main input. INTERRUPTING INPUT can be used if a second source is desired and takes over when signal is present and has at least a 5mV level. When there is no signal, or a signal with less than 5mV level, the amp switches back to MAIN IN or U disk music or Bluetooth music after a brief delay.
- 9. Main Input/Output**
MAIN IN should be used as the "primary" or main input for the amplifier. Connect your receiver or main source to this input. Use LINE OUTPUT to pass MAIN IN or U disk music or Bluetooth music signal to another amplifier.
- 10. Trigger**
Allows this device to be powered on by other electronics or to power on other electronics via a 3.5mm mini phone plug cable.
- 11. Mode Select Switch**
Switches the amplifier from Stereo mode to Bridged mode.
STEREO MODE
If you will be connecting one or two pair of speakers to the amplifier, place the switch in the "Stereo" position. NOTE: For playing 2 pairs of speakers (A plus B), make sure each speaker has an impedance of 8 ohms or greater.
BRIDGED MODE
When set to "Bridged" mode, the amplifier is a single channel mono amplifier

12. Speaker Zone B Output

Speaker output terminals for zone B. Minimum impedance: 8 ohm bridged or 4 ohm stereo.

13. Speaker Zone A Output

Speaker output terminals for zone A. Minimum impedance: 8 ohm bridged or 4 ohm stereo.

SPEAKER TERMINALS - STEREO MODE

For stereo output connect the speaker's positive (red) terminal to the amplifier's positive (red) terminal, and the speaker's negative (black) terminal to the amplifier's negative (black) terminal for each Right and Left speaker.

SPEAKER TERMINALS - BRIDGED MODE

Place the "MODE" switch in the "BRIDGED" position and use both red terminals to connect to the speaker. Connect the speaker's positive (red) terminal to the amplifier's red (+) terminal noted next to the bridging mark, and the speaker's negative (black) terminal to the amplifier's unmarked positive (red) terminal.

NOTE: Only one zone (A or B) can be bridged. Do not attempt to bridge both A and B speaker terminals! This may result in a lower impedance than the amplifier is designed for and may damage your amplifier. The minimum impedance for the total load connected in bridged mode is 8 ohms.

NOTE: Use Class 2 wiring for speaker connections.

To wire the output connector: 1. Strip the insulation off each speaker wire to expose 3/8" (10 mm) of bare conductor. 2. Unscrew the output terminal binding post several twists, insert each wire into the correct terminal. 3. Tighten binding post by twisting clock-wise until it is firmly clamping the speaker wire.

Warning: While the amplifier does self-protect under most improper output conditions, misconfiguration of loudspeaker mode and incorrect connection of loudspeakers could damage connected loudspeakers and/or amplifier. Please refer installation to a qualified installation professional, and always check state and local electrical codes when installing.

NOTE: To prevent sonic degradation in your speaker installation, total speaker wire resistance should be kept below 0.5 ohms. This table lists recommended speaker wire gauge versus wire run length.

50' or less - 16 Gauge 2-Cond. CL3 Rated
50'-150' - 12 Gauge 2-Cond. CL3 Rated
150' - 200' - 10 Gauge 2-Cond. CL3 Rated

14. Power Socket

This amplifier is configured for operation at 100-240V.

15. Bass and Treble Controls

These controls can adjust bass and treble frequencies +/- 12dB at 100Hz and 10kHz.

16. AUTO ON Select Switch

Power can be turned on and off manually via the switch on the front panel or automatically by signal sensing. Set it to NORMAL for manual power on/off. Set to AUTO for signal sensing: the amp will turn on when audio signal is detected at the inputs. NOTE: The front panel power switch must be in the ON position (pushed in) for the AUTO ON feature to operate.

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BRIDGED MODE- MONO APPLICATION

For bridged mode, playing Right and Left together as mono output, plug RCA cables in to Right and Left RCA at MAIN input. Set the MODE switch to BRIDGED and follow the instructions for bridged speaker connection in the SPEAKER TERMINALS section of this manual.

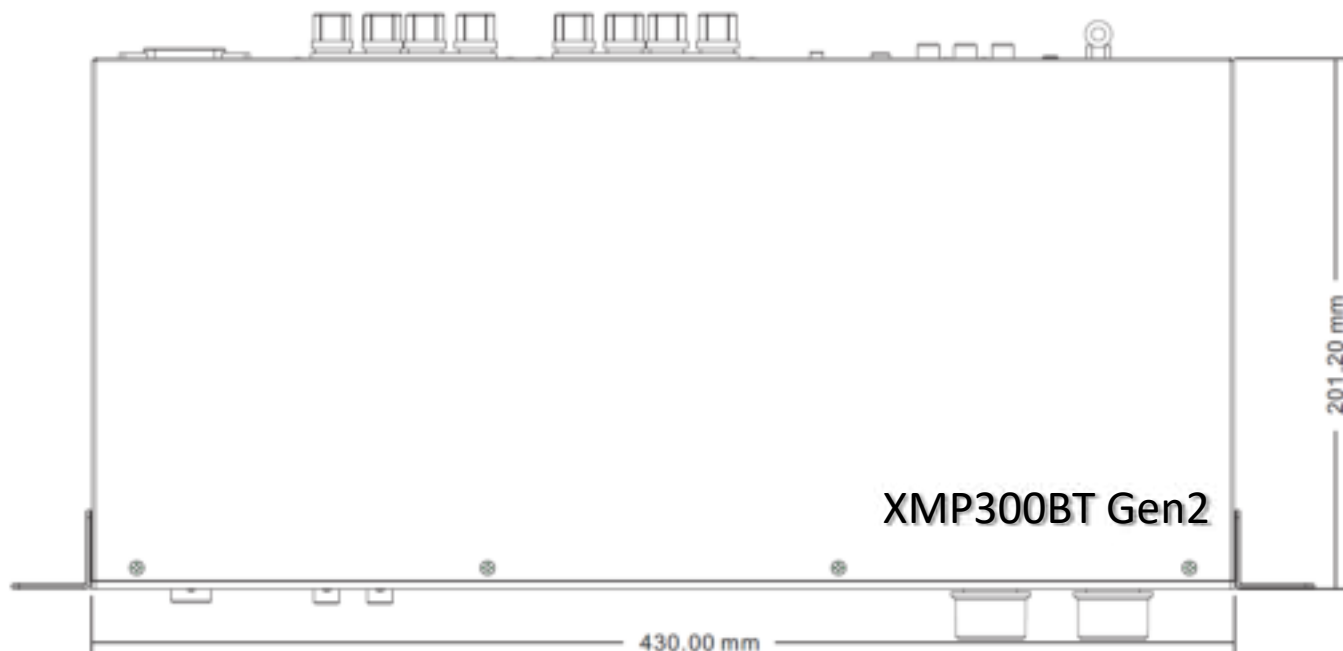
NOTE: This Amplifier supplies 600W in bridged mode. Please verify that your speakers are capable of handling such power to avoid possible damage!

XMP100BT Gen2

BRIDGED MODE- MONO APPLICATION

For bridged mode, playing Right and Left together as mono output, plug RCA cables in to Right and Left RCA at MAIN input. Set the MODE switch to BRIDGED and follow the instructions for bridged speaker connection in the SPEAKER TERMINALS section of this manual.

NOTE: This Amplifier supplies 200W in bridged mode. Please verify that your speakers are capable of handling such power to avoid possible damage!



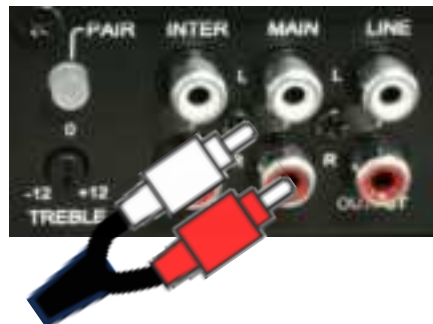
Specifications: Model	XMP100BT Gen2	XMP300BT Gen2
Amplifier Type	Stereo Four Channel (2A, 2B)	Stereo Four Channel (2A, 2B)
Design Type	Digital Class D	Digital Class D
Bluetooth (version)	Bluetooth V5.3	Bluetooth V5.3
Rated Output Power	200 Watts Max	600 Watt Max
8-Ohm Load	50W x 2 Channel RMS/Output 8-ohm	150W x 2Channel RMS/Output 8-ohm
4-Ohm Load	100W x 2 Channel RMS/Outout 4-ohm	300W x 2 Channel RMS/Output 4-ohm
Bridged Mono	200W X 1 Channel RMS (A or B)/Output 8Ω	600W X 1 Channel (A or B)/Output 8Ω
Frequency Response	20Hz - 20kHz	20Hz - 20kHz
Impedance	8-Ohm to 4-Ohm Stable	8-Ohm to 4-Ohm Stable
Signal to Noise Ratio	90≥dB 100W output into 4-ohms 20kHz 20kHz Lowpass Filter	90≥dB 300W output into 4-ohms 20kHz 20kHz Lowpass Filter
Channel Seperation	50dB @1kHz referred to 50W Output into 8Ω	50dB @1kHz referred to 150W Output into 8Ω
Input Sensitivity	700mV Input rated 50W Ouptu into 8Ω	700mV Input rated 150W Output into 8Ω
Sources/Inputs	Bluetooth/USB/Line-In (Interupt/Main)	Bluetooth/USB/Line-In (Interupt/Main)
Output	Signal (low) level/Speaker (High) Level Outputs	Signal (low) level/Speaker (High) Level Outputs
THD	«1% @ ouput Rated power / « 0.07% @ output 1~80W	«1% @ ouput Rated power / « 0.07% @ output 1~240W
Bass and Treble Controls	(+/-) 12dB @ 100Hz and 10kHz	(+/-) 12dB @ 100Hz and 10kHz
Other Back PanelControls	Trigger Functions/Bridged Mono-Stereo	Trigger Functions/Bridged Mono-Stereo
Front Panel Controls	Power/Speaker (A/B)/Balance/Volume	Power/Speaker (A/B)/Balance/Volume
AC Power	Multi-Voltage 100V-240V 50-60Hz/250V	Multi-Voltage 100V-240V 50-60Hz/250V
Dimensions	430mm W x 44.0mm H x 159.4mm D 16.92" W x 1.73" H x 6.27" D	430mm W x 44.0mm H x 201.20mm D 16.92" W x 1.73" H x 7.92" D
Net Weight	2.4 KG/5.29 Pounds	3.2 KG/7.05 Pounds

APPLICATIONS

STEREO SETUP

In this configuration, the mode switch is set to "Stereo". Connect the line out jacks from a stereo pre-amplifier or source to the MAIN input jacks of your XMP300BT Gen2. Next connect your speakers to the terminals marked "Speaker A" observing proper polarity. Select the "A" speakers using the front panel zone selection buttons. Connect a second (optional) pair of speakers to the terminals marked "Speaker B". If you are connecting 4 speakers to the XMP300BT Gen2 they must be 8-ohm speakers only. Press A and B together to use both zones

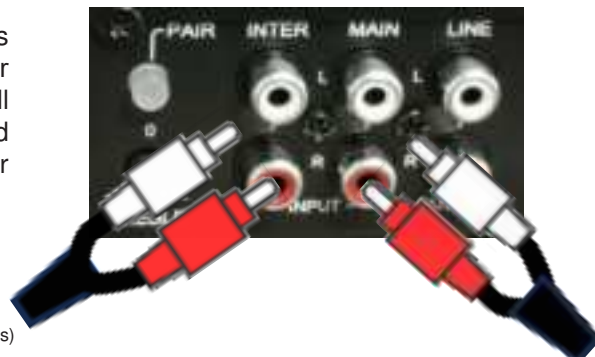
Back Panel RCA Inputs/outputs



SETUP FOR MULTIPLE SOURCE

In the multiple source set up, a distributed audio system is connected to the XMP300BT Gen2 as a local zone amplifier via the MAIN inputs. Normally the distributed audio system will be the audio source for the XMP300BT Gen2. The distributed audio is then passed on to be used by additional zones or sub zones in the distributed system via the MAIN outputs.

Back Panel RCA Inputs/outputs



(From Local Source Line Out) (From Pre-amp Line Out) (Out to Additional Zones)

The audio output of a local source, such as an MP3 Player, CD, television, computer, etc., is connected to the XMP300BT Gen2 via the INTERRUPTING inputs, and whenever the local source is active its signal will take priority over the distributed audio signal present at MAIN input. However, the distributed audio signal will still be present at the MAIN input. In this circumstance the audio output of the local source will be heard via the XMP300BT Gen2. Once the local source is turned off or muted, the XMP300BT Gen2 will automatically switch back to the distributed audio system as an audio source, assuming the local source remains inactive. There is a delay of up to 6 seconds when switching from INTERRUPTING input back to MAIN inputs.

PAIRING BLUETOOTH

Pair Button located on the Back Panels of the XMP100/300 BT Gen2. Press the White Button, see the Front Panel Blue Power Button LED indicator starts to Flash in Setup mode. Select OSD BT SPKR on the Bluetooth Enabled Device. If the connection is successful, The Power LED will change from Flashing to a steady Blue.

Front Panel Power Button w/Status LED



Back Panel Bluetooth Pairing Button





CAUTION

RISK OF ELECTRICAL SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL!

EXPLANATION OF SAFETY SYMBOLS



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



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products' enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

IMPORTANT SAFETY INSTRUCTIONS

- WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL NOT BE PLACED ON APPARATUS.
- WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.
- WARNING: THE MAINS PLUG IS USED AS DISCONNECT DEVICE SHALL REMAIN READILY AVAILABLE.
- WARNING: ONLY USE ATTACHMENTS OR ACCESSORIES SPECIFIED OR PROVIDED BY THE MANUFACTURER.

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. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table cloths, curtains etc. Install in accordance with the manufacturer's instructions
8. Do not install near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. No open flame sources, such as lighted candles, should be placed on the apparatus.
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 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. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point of 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 or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified 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 has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
16. WARNING: The mains plug/appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.



17. - This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- Warning: to reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

MAGNETIC FIELD: !!CAUTION!! Do not locate sensitive high-gain equipment such as preamplifiers or tape decks directly above or below the unit. Because this amplifier has a high power density, it has a strong magnetic field, which can induce hum into unshielded devices that are located nearby. The field is strongest just above and below the unit. If an equipment rack is used, we recommend locating the amplifier(s) in the bottom of the rack and the preamplifier or other sensitive equipment at the top.



OWNER'S MANUAL

XMP100BT Gen2 / XMP300BT Gen2

Limited Warranty

OSD Audio warrants its amplifier products against defects in materials and workmanship for a limited period of time. For a period of two years from date of original purchase, we will repair or replace the product, at our option, without charge for parts and labor. Customer must pay all parts and labor charges after the limited warranty period expires. The limited warranty period for factory refurbished products expires after ninety (90) days from date of original purchase.

This limited warranty applies only to purchases from authorized OSD Audio electronics retailers. This limited warranty is extended only to the original purchaser and is valid only to consumers in the United States.

Consumers are required to provide a copy of the original sales invoice from an authorized OSD Audio dealer when making a claim against this limited warranty. This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than OSD Audio, or damage that is attributable to Acts of God. It does not cover costs of transportation to OSD Audio or damage in transit. The customer should return his defective product, freight prepaid and insured, to OsdAudio® only after receiving a Return Authorization.

This warranty will become void if the serial number identification has been wholly or partially removed, altered or erased. Repair or replacement under the terms of this warranty does not extend the terms of this warranty. Should a product prove to be defective in workmanship or material, the consumer's sole remedies will be repair or replacement as provided under the terms of this warranty. Under no circumstances shall OSD Audio be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product. There are no express warranties other than described above.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

