





MX-1260

Multi Zone Amplifier
OWNER'S MANUAL



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.
- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT, FULLY INSERT.

 <p>This Lighting flash with arrowhead Symbol, within an equilateral triangle, Is intended to alert the use to the Presence of un-insulated dangerous Voltage within the products enclosure That may be of sufficient magnitude To constitute a risk of electric shock To persons.</p>	<p>CAUTION</p> <p>RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>Warning: To reduce the risk of Electric shock, do not remove Cover (or back) no user Servicing to qualified service Personnel.</p>	 <p>The exclamation point within the Equilateral triangle is intended to Alert the user to the presence of Important operating and Maintenance (servicing) Instructions in the literature Accompanying supplience.</p>
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IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Read all warnings.
4. Follow all Instruction.
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 manufacturers instructions.
8. Do not install near 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. If the provided plugs 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 where they exit form the appliance.
11. Only use attachments or accessories specified by the manufacturer.
12. Unplug the apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been Damaged in anyway, 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.

This appliance shall not be exposed to dripping or splashing water and no object filled with liquids Such as vases shall be placed on apparatus.

General Information and Features

Front Panel

Power Switch: This is used to turn the unit on or off.

LED Indicators: There is one LED indicator for the power and each of the six zones. When first turning the power on, the power LED will come on red and then switch to blue to indicate the amplifier is in a ready mode. If there is no audio active to any of the inputs, after approximately 5 minutes the power light will turn red to indicate it is in sleep mode. Zone LED lights will come on blue as each zone senses an audio source to the zone input. In case of a fault to a particular zone, the LED changes to RED. If the fault remains, the corresponding LED remains red. If the short circuit is momentary then the zone LED that changed to red will switch to solid blue after a few seconds. Once all zones are cleared of faults, the front LED indicators will turn blue as long as they are active. If no audio source is present the lights will turn off to indicate the zones are in sleep mode.

Rear Panel

BUS 1 and 2 Inputs: There are "right" and "left" RCA style connections labeled as "1" & "2". These inputs are used for sending a single audio source (i.e. CD player, tuner, MP3, etc.) to more than one zone. For using this feature correctly, see "Amplifier Connection" later in this manual.

BUS 1 & 2 Outputs: There are "right" and "left" RCA style connectors labeled as "1" & "2". These outputs are used to loop the audio source that is connected to the "BUS INPUTS" out to a second MX1260.

Individual Zone Line Inputs: These RCA style input connections are the audio inputs for each individual channel of the amplifier. These inputs are to have audio sources dedicated to a single channel or zone on the amplifier. We suggest using a good quality RCA patch cable for best performance. The RCA inputs are labeled "Left" and "Right".

Mode Switch: This is used to switch each individual zone between stereo or bridged.

BUS/LINE IN Switch: This is used to indicate which input the individual channel or zone will receive audio source from.

Sensitivity Adjustment: There is an adjustment for the different voltage inputs with each source (75mVrms-3Vrms). Set the control so that the speakers are not distorting.

Speaker Terminals: These Phoenix type terminal connectors are used to connect the speaker to each zone.

3-Conductor AC Cord Receptacle: A standard male receptacle that fits a 3-conductor power cord.

Speaker Phasing

To obtain proper phasing and correct bass response, it is necessary for all channels be in correct phase. The correct phasing occurs when speakers move in and out in unison (in phase) on mono audio. Speakers connected in phase ensure proper imaging while an out-of-phase connection causes indistinct imaging. Identify the positive (+) and negative (-) polarity on the speaker cable being used and the corresponding connections on the speakers. Make sure the positive terminal of the speaker is connected to the positive terminal of the amplifier. Do the same with the negative and then follow the same procedure with all channels.

Amplifier Connection

Always turn off the power of your amplifier, processor - preamp, and all input/playback units before any connections are made.

Before turning your amplifier and preamp back on, make sure your volume is turned all the way down.

Remember the cooling issues mentioned earlier in this manual. Improper airflow will reduce the life of the amplifier.

When deciding on the final location, keep in mind that there needs to be adequate space behind the amp to fit the speaker cables and patch cables.

Stereo Connection: Use a good quality RCA type patch cord. Connect the right and left output from the processor to the right and left input jacks on the back of the amplifier. Repeat this for each channel and/or zone.

The "Mode" switch should be in the "Stereo" position.

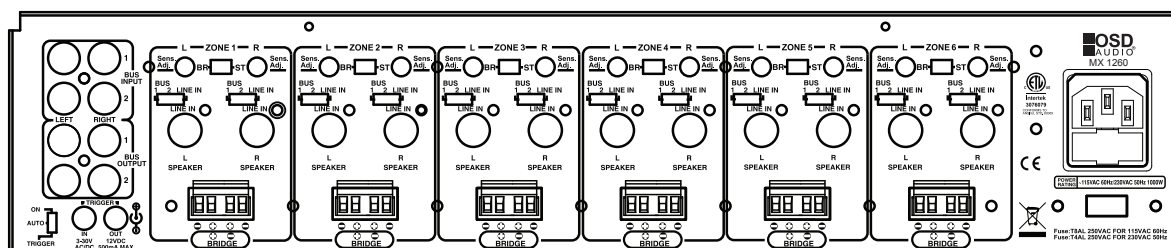
Connect the speaker cable coming from each pair of speakers to the "Speaker Input" connector on the back of the amplifier. This connector is removable to make connection easier. When connecting the cable to the connector, check for any wire strands that might be sticking out of the connection terminal that could cause a short.

When connecting the speaker cable, make sure the speaker and amplifier are in "phase" (positive (+) and negative (-) are matched properly). See the above section on "Speaker Phasing".

These amplifiers are stable down to 4 ohms. The impedance with the connected speakers should not be lower than 4 ohms.

Bridged Connection: The bridging mode is meant for a single speaker within a high powered application such as a home theater. In the bridged mode the speakers should be 8 ohm minimum.

Make sure the amplifier power is OFF before making connections.



Connect the right or left output from the audio source to the right or left input of the zone you are bridging. Repeat this for each zone you want in bridged mode.

The “BR/ST” switch should be in the bridged (BR) position. Make sure the switch is in this mode only on the zones you want bridged.

Connect the speaker cables coming from one speaker to the “speaker input” connector on the back of the amplifier. For bridging, one speaker will connect to one connector. Make sure to follow the labeling on the back of the amp where the speaker input connector is labeled for the bridged zone. The speaker input connector is removable to make connection easier. When connecting the cable to the connector, check for any wire strands that might be sticking out of the connection terminal that could cause a short.

BUS 1 & 2 Connection: The BUS inputs are used to input audio sources such as a preamp, CD, tuner, and MP3 player over multiple zones. For example, you could have a CD player on BUS 1 that goes to zones 1 and 2 and an MP3 player on BUS 2 going to zones 3 and 4. The other two zones could have independent input sources. When designing a single-source, multiple-zone system, this mode is perfect. Use a good quality RCA type patch cord. Connect the right and left outputs from the preamp to the right and left input connectors on the back of the amplifier. Repeat this for each channel and or zone. Then, with the zones on which you want to access one of the BUS sources, put the input switch into the appropriate setting (1 or 2) position. Proceed to connect the speaker cable to the amplifier as per the instructions in the “Stereo Connection” section of this manual.

General Maintenance and Service

The front panel is finished with a high-grade anodizing process to ensure that it maintains a flawless appearance. Occasionally, you should wipe off any dust build up with a damp, soft cloth.

DO NOT use any kind of cleaning solution or cleanser on these units.

If for some reason the amplifier needs to be repaired, please contact us immediately. We will issue a Return Authorization Number (RA#) as well as a UPS call tag for

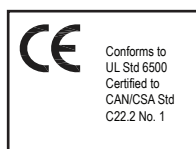
the return. This unit should not be shipped back to OSD Audio without the RA#.

DO NOT attempt to open or dismantle this amplifier. THIS WILL VOID THE WARRANTY!

SYMPTOM	POSSIBLE CAUSE AND TEST PROCEDURE
Very little or no sound on some or all channels.	<ol style="list-style-type: none"> 1. Check the SEN/ ADJ knob that it is not turned down. 2. Check input switch is in correct position. Check your configuration and verify all settings. 3. Audio cable to the input is bad. Connect the nonworking channel to a cable known to be good. 4. Bridging switch is in the wrong position.
No sound on one channel pair and zone LED is red.	<ol style="list-style-type: none"> 1. Check that connections are secure and that there are no loose strands of wire crossing from positive to negative terminals at the back of the amplifier and/or speaker. 2. Disconnect the speaker wire at both ends. Separate the two conductors at both ends and test with a meter for a short circuit. If there is no short, connect the two conductors at one end and test for continuity.
Hum from all the speakers.	<ol style="list-style-type: none"> 1. Hum can be caused due to a ground potential difference between connected components (especially those connected to antenna or cable TV feeds). 2. Check for faulty cables, faulty source signals, an ungrounded phono system, cable feed, and/or a defective component. 3. Reverse the AC plug of the components with non-polarized plugs. 4. Test the AC receptacle using a ground tester.
Sound is distorted on one or more channels at normal volume.	<ol style="list-style-type: none"> 1. Check the setting on the SEN/ADJ knob. You may need to turn down controls.
Bass is weak and stereo sound is “phasey”.	<ol style="list-style-type: none"> 1. Check that the bridging switch is “off”. If two adjacent channels are connected normally but the bridging switch is set to the bridged position, the two speakers will be out of phase. 2. The speakers may be wired out of phase. Recheck polarity and reverse the connections on the back of one speaker if necessary.

MX1260 Multi Zone Amplifier

Rated Power Output:	40 Watts per channel RMS at 8 ohms 60 Watts per channel RMS at 4 ohms
Bridged Power Output:	80 Watts per channel RMS at 8 ohms(8 ohm minimum)
Input Sensitivity:	380 mV for full output with all level controls at max.
Input Impedance:	18K ohm
Frequency Response:	5 Hz to 72 kHz
Distortion:	.09% THD 20 Hz-20 kHz @ 40W (8 ohm)
Distortion (Bridged):	.30% THD 20 Hz-20 kHz @ 80W (8 ohm)
Channel Crosstalk:	80 dB
Signal to Noise Ratio:	95 dB A-weighted
Efficiency:	60%
Power Requirements:	115/230 VAC,50 Hz/60 Hz
Stand-By Power Rating:	115V 80W, 230V 75W
Auto Turn-On Sensitivity:	18.84mV
Dimensions:	16.7"W x 4"H(including feet) x14.25"D
Weight:	30 lbs



Limited Warranty

OSD Audio warrants its audio products against defects in material 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 changes after the limited warranty period expires. The limited warranty period for factory refurbished products expires ninety 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 OSD Audio 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 circumstance 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.

Technical Support

If any part of this product is damaged or missing, please call your dealer or OSD Audio directly at toll free 1.888.779.4968 or locally 562.697.2600.