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## SUB8 OWNER'S MANUAL

21A8360

CONGRATULATIONS...

...on your purchase of a MTX powered subwoofer system. Your new subwoofer is one of the most exciting home entertainment electronic products available, adding impact and realism to recorded music and the wide variety of movies to be found on videotape, laser disc, DVD and off-the-air broadcasts. Once set-up and properly adjusted, it should give you many years of entertainment pleasure.

SUBWOOFER FEATURES

- High efficiency amplifier
- Bass reflex enclosure with low noise vent
- Adjustable low-pass crossover frequency
- Adjustable gain control

EXPLANATION OF FEATURES AND CONTROLS

Refer to Figure A

- 1) Power Switch - This two position switch controls the power status of the subwoofer.
  - Off - Turns the unit off.
  - On - Turns the unit on regardless of whether a signal is present or not.
- 2) Subwoofer crossover - This rotary control adjusts a variable low pass filter to set the upper frequency at which the output of the subwoofer begins to roll-off. Continuously variable from 50Hz, it matches the upper frequency characteristics of the subwoofer to the low frequency response of the main stereo speakers.
- 3) Line level input - These RCA phono jacks accept a line level full range signal from the pre-amplifier output of a receiver or pre-amplifier. This full range signal processed and amplified to power the subwoofer.
- 4) Speaker level input - These spring loaded terminals for speaker wire accept a stereo, speaker level, full range signal from a receiver or power amplifier. This signal is processed and amplified to power the subwoofer.
- 5) Fuse - For continued protection replace fuse with same type and size listed.
- 6) Level control - This rotary control adjusts the level of the subwoofer and is used to balance its volume with that of the main stereo speakers.
- 7) Status LED - This light emitting diode shows the status of the subwoofer electronics. "Red" indicates that the amplifier is plugged in and the power switch is on.

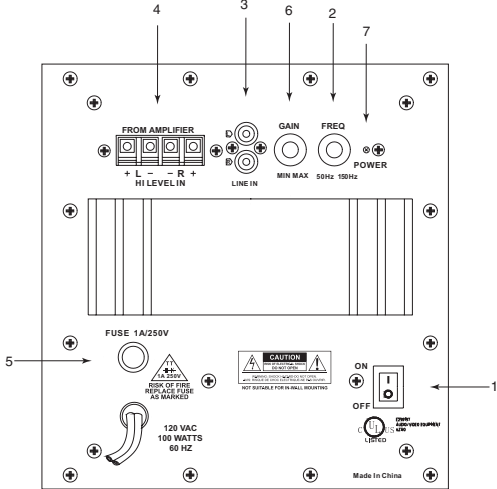


Figure A

## NOTES

### WIRING AND CONNECTIONS

Turn off all power to your subwoofer and other equipment before making any connections.  
Installation using speaker level inputs (Figure B).

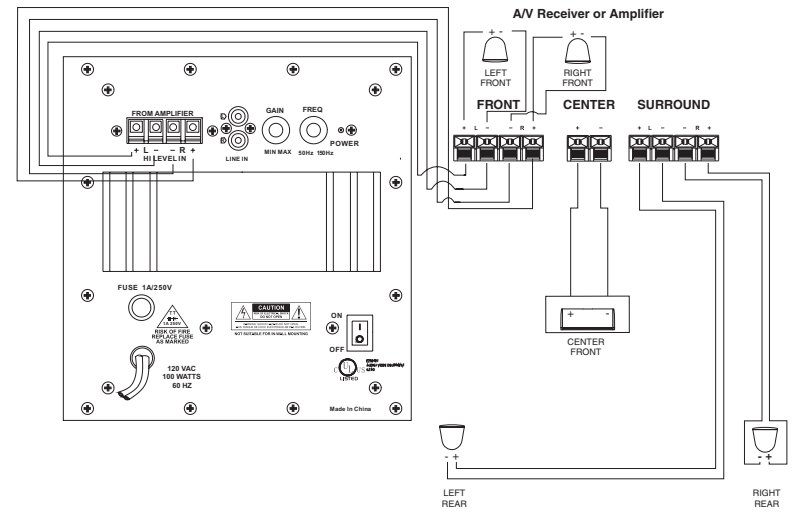


Figure B

Installation with A/V amplifiers and receivers that have 5.1 channel line level output (Figure C).  
Use and RCA "Y" adaptor to connect both line level inputs.

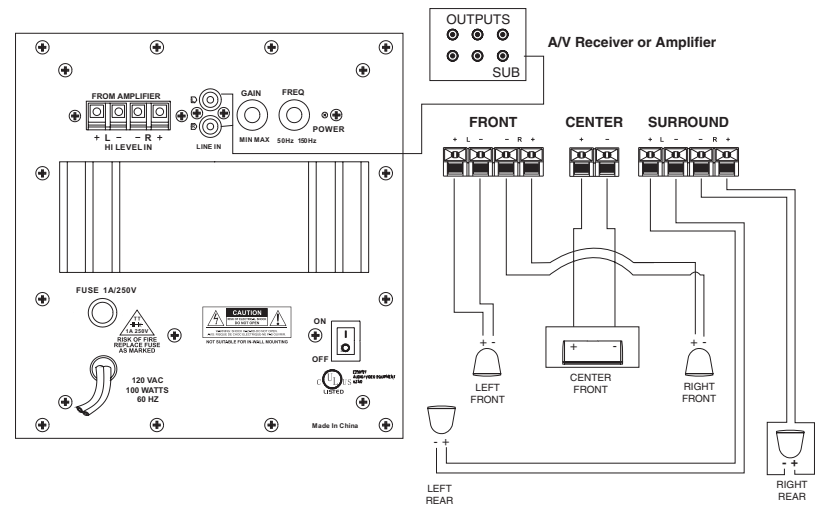


Figure C

## PLACEMENT OR POSITIONING

Your new subwoofer will work well in a variety of locations. However, placement in your listening room will affect its performance. Since the wavelengths of sound reproduced by your subwoofer are large compared to its size, those sounds are omni-directional in nature. This means that locating your subwoofer in relation to your left and right main speakers will not affect the directional cues which they provide.

Because the sound you hear is combination of direct sound from the speaker and reflected sound from the wall, ceiling and floor of your listening room, placement of the subwoofer in relation to room boundaries changes the balance of what you hear at low frequencies. In that low frequency range, the dimensions of most rooms are comparable to the wavelengths of those sounds. As sound propagates and reflects in the room, "standing waves" are created at frequencies where the wave length of sound or multiples of the wave length are equal to one of the dimensions of the room. At your listening position, these standing wave patterns of reflected sound add together in and out of phase causing large variations in the response that you hear.

As a general rule, locating your subwoofer near the corner of the room will increase its overall output, but will excite more standing waves in the room and may result in a more uneven response. Locating your subwoofer along a wall will usually mean less acoustic output but a somewhat smoother response. A middle of the room location would suggest the smoothest response with the least output capability. Of course, any location will be a compromise between acoustic performance and the aesthetic blend of the subwoofer enclosure with the decor and furnishings of your room. Don't be afraid to experiment with the location of your subwoofer in your room for the best results at your listening position. As with any other listening test, use program material that you are familiar with that has substantial bass content.

## SET-UP AND ADJUSTMENT

After you have selected an initial location for your subwoofer and have connected it into your system, have a seat in your normal listening position and have someone help you with the following adjustments:

- A) If you are using the line level inputs and your main speakers are receiving a full range signal, set the subwoofer crossover frequency control to its full counterclockwise position of 50Hz.
- B) Set the gain control to the full counterclockwise position at "minimum".
- C) Turn off the loudness control and set the bass tone control on your main amplifier to the flat position.
- D) Use familiar program material that has substantial bass content and play your main system at a moderate volume level.
- E) Slowly rotate the subwoofer level control clockwise until a good balance is achieved between the low frequency output of your subwoofer and the mid bass and upper frequencies from your main speakers.
- F) Slowly rotate the subwoofer crossover frequency control clockwise to attain the best blend between the level of the subwoofer and the main speakers in the midbass crossover region. Advancing the control too far will cause a "boominess" in the overall sound and will add an unnatural "chesty" quality to male voices.

## CARE AND MAINTENANCE

Use the following guidelines to maintain the appearance of your subwoofer. Use a soft, damp cloth to clean the speaker cabinet. Avoid using harsh detergents or cleaning fluids. Do not vacuum any of the speaker components. Permanent damage could occur.

## TECHNICAL ASSISTANCE

For additional technical assistance you can visit our website at [mtx.com](http://mtx.com). Otherwise, our technical service representatives can be reached by phone: 1-800-CALLMTX (1-800225-5689) or by email: [technical@mtx.com](mailto:technical@mtx.com).

## MTX WARRANTY STATEMENT

All SUB8 Powered Subwoofers purchased in the United States from an authorized MTX dealer are guaranteed against defects in material and workmanship for a period of ONE YEAR from the date purchased by the end user, and limited to the original retail purchaser of the product. Product found to be defective during that period will be repaired or replaced by MTX at no charge. This warranty is void if it is determined that unauthorized parties have attempted repairs or alterations of any nature. Warranty does not extend to cosmetics or finish. Before presuming a defect is present in the product, be certain that all related equipment and wiring is functioning properly. MTX disclaims any liability for other incurred damages resulting from product defects. Any expenses incurred in the removal and reinstallation of product is not covered by this warranty. MTX's total liability will not exceed the purchase price of the product. If a defect is present, your authorized MTX dealer may be able to effect repairs.

Proof of purchase is required when requesting service, so please retain your sales receipt and take a moment to register your product on line at [mtx.com](http://mtx.com).

## SPECIFICATIONS

Driver Size: 8"

Frequency Response: 50Hz - 150Hz

Lowpass Crossover: Adjustable from 50Hz - 150Hz

Inputs: Line level and speaker level

Amplifier Power: 120W Peak Music Power

Dimensions: 13 3/4"H x 10"W x 13 3/16"D

Unit Weight: 16.5 lbs.

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