



MPQ-7B

**7 BAND PARAMETRIC EQUALIZER WITH SUBWOOFER
ELECTRONIC CROSSOVER**

OWNER'S MANUAL
MANUAL DE INSTRUCCIONES

ENGLISH

■ SPECIFICATIONS

FREQUENCY RANGES	40Hz, 100Hz, 275Hz, 700Hz, 2KHz, 5KHz, 14KHz
BOOST/CUT	+/- 18dB
S/N RATIO	115 dB REF 1 V INPUT
FREQUENCY RESPONSE	10 Hz-15 KHz, +/- 1 dB
MAXIMUM OUTPUT VOLTAGE	8 V RMS
T H D	0.05%
INPUT SENSITIVITY	150 mV
HEADROOM	20 dB
INPUT IMPEDANCE	10 K OHMS
STEREO SEPARATION	82 dB/1 KHz
OPERATING VOLTAGE	11-15V NEGATIVE GROUND
SIZE (H x W x D)	27.5 x 178 x 115 mm

*DUE TO OUR CONTINUING EFFORTS TOWARDS PRODUCT IMPROVEMENT, THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

■ INTRODUCTION

Congratulation on your purchase of your new pre amplifier equalizer. Our sonic excellence is considered our most important objective. Your selection of this component tells us you desire to achieve the same goal. Welcome to the rapidly expanding group of discerning audiophiles who rely upon our products.

This manual has been prepared to help you maximize your enjoyment of the outstanding performance and multiple advanced features of this nit .To realize the exceptional performance this product is capable of, it is necessary that all signal sources, amplifiers, and speakers are of the highest quality.

■ EQUALIZER BACKGROUND

There are basically three types of equalizers: graphic, parametric, and a hybrid of these two, often referred to as para graphic. Additionally, there are passive equalizers, which have no gain, active gain pre amps, which have a gain stage usually with a volume control, and booster equalizers which we won't consider here since they are inferior passive equalizers with inexpensive IC amplifiers built-in..

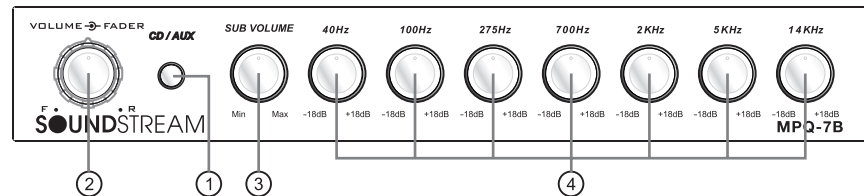
As in state-of-the-art home audio systems the optimum system requires a dedicated pre amp with enormous gain to drive the various power amplifiers. Since home audio amplifiers do not have adjustable sensitivity and require high output pre amplifiers to drive them to maximum levels.

This unit is the first production pre amplifier to incorporate a specific bandwidth parametric equalizer with adjustable Center Frequency Control on the front panel. With 18 dB boost or cut on its four bands, it can compensate for acoustic anomalies unique to the automotive environment. unit can compensate for acoustic anomalies unique to the automotive environment. This unit easily becomes the "Mission Control Center"of any high end automotive sound system.

■ FEATURES

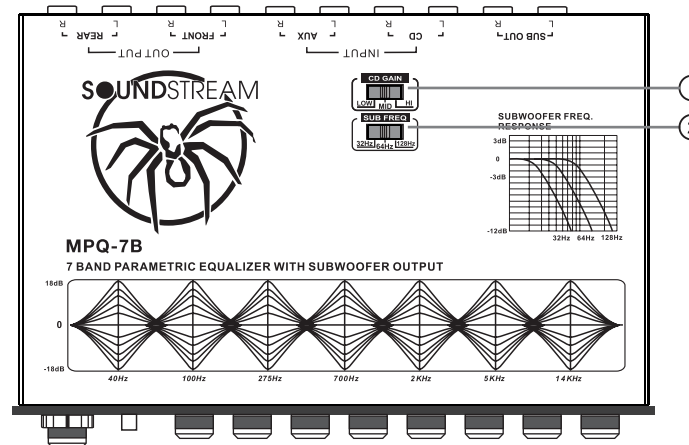
1. Volume control with up to 8 volts RMS of output.
2. Seven bands parametric equalizer with 18 db boost Cut.
3. Specific bandwidth for each band.
4. Low noise BI-FET op-amp design yields minimum distortion.
5. On-board 30 V bi-polar switching power supply.
6. Subwoofer outputs and level controls.
7. Continuously variable subwoofer frequency adjustment(32Hz/64Hz/128Hz).
8. Input selector for Aux or CD.
9. Universal half- DIN chassis for ease of installation.
10. Gold-plated RCA input output connectors.
11. 20 dB headroom eliminates signal overload.

■ FRONT PANEL CONTROLS



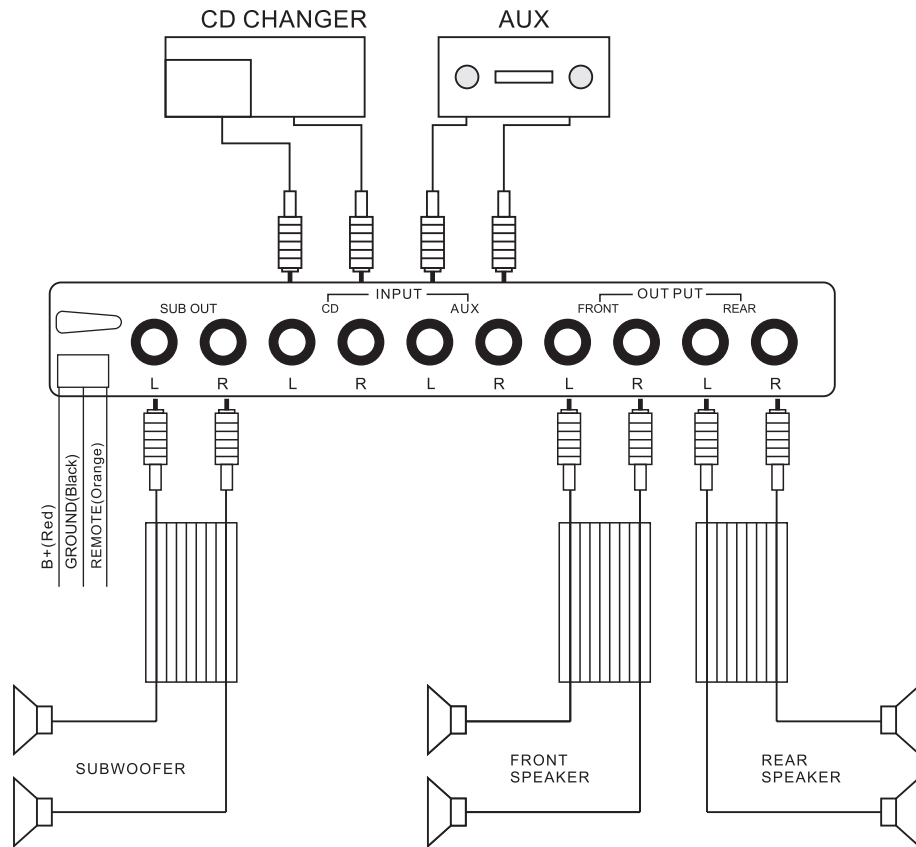
1. **Input Selector Switch** - Allows you to select either the AUX or CD input.
2. **Volume Control** - This control adjusts the output level.
3. **Fader Control** - This control adjusts the volume between the front and rear speakers in a 4 speaker system.
4. **Subwoofer Output Volume** - This control adjusts output level of subwoofer RCA jack.
4. **Parametric Equalizer Controls** - Controls the frequency response of the boost or cut, in the seven frequency bands: (40Hz, 100Hz, 275Hz, 700Hz, 2KHz, 5KHz, 14KHz)

■ TOP COVER CONTROLS



1. **CD INPUT GAIN SELECTOR:** Low / Mid / High
2. **SUBWOOFER FREQUENCY SELECTOR:** 32 Hz / 64 Hz/ 128 Hz

■ ELECTRICAL INSTALLATION



NOTES:

Set your source volume at one-half to three-quarter up and leave it.

Always use the volume control as a master (main) volume control. It has better electronics, higher S/N ratio and is more linear than any source unit volume control available.

If engine noise is audible, check the ground connection on all units in the audio system.