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## S7EQ USER'S MANUAL

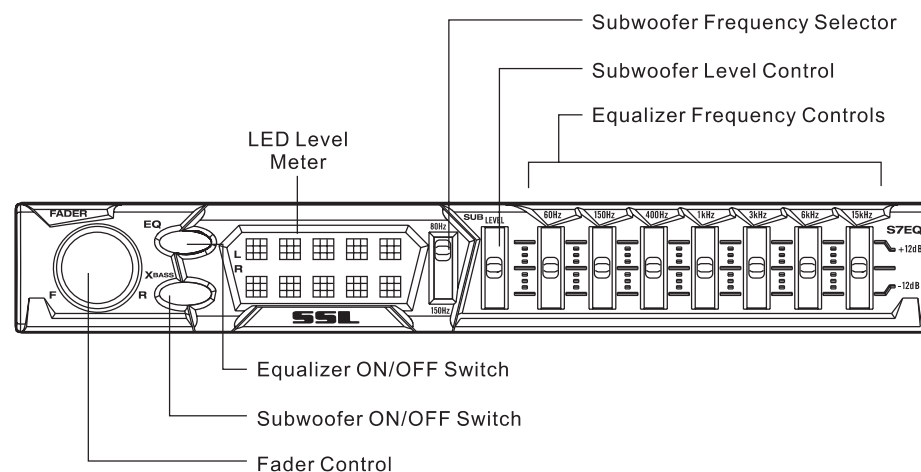
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## INTRODUCTION

Congratulations on your purchase of a Sound Storm Graphic Equalizer. This product has been designed and built to deliver excellent sound quality and long-lasting high performance. We are sure you'll enjoy listening to your favorite music with this Sound Storm component in your car audio system.

For best results, please consult a professional car stereo installer for application advice or troubleshooting. To guarantee best performance, we recommend using **BOSS** Link installation accessories, such as RCA interconnects, power cables and speaker wire. Thank you for choosing Sound Storm products for your autosound system.

## CONTROLS AND FEATURES



## S7EQ

### 7-Band Graphic Equalizer with LED Power Meter and Subwoofer Output

- 7 equalization bands
- LED level indicators
- Fader control
- Subwoofer frequency crossover switch
- Subwoofer level control
- High level and low level inputs
- Night illumination

## HOW AN EQUALIZER IS USED

A graphic equalizer is a high-fidelity audio control that allows you to graphically view and individually control a number of different frequency bands in a stereophonic system.

A typical graphic equalizer consists of several audio filters, each centered at a specific frequency in the audio range. The Sound Storm S7EQ equalizer enable you to cut or boost the output level by up to 12dB as desired at the following frequencies:

**60Hz • 150Hz • 400Hz • 1kHz • 3kHz • 6kHz • 15kHz**

## SYSTEM APPLICATION

The S7EQ is a signal processor / preamplifier. It is intended for use in a car audio system which includes amplifiers in the signal path **AFTER** the equalizer, and provides Front, Rear and Subwoofer **LOW LEVEL** outputs via RCA connectors.

A stereo input signal is applied to the equalizer using **EITHER** (but not both) the low level RCA inputs (from head unit Line Out) or from high level inputs (head unit speaker level outputs).

The user adjusts the various boost/cut levels at the desired frequencies. The resulting adjusted signal is then distributed from the Front, Rear and Subwoofer stereo RCA jacks on the rear of the unit to an amplifier for each of these channel pairs.

## TURNING ON THE POWER

The S7EQ has internal ON/OFF circuitry which responds to turning ON or OFF the head unit of your car audio system. This requires that your head unit have a remote turn-on lead available on the rear panel (which most head units have).

With this convenient remote turn-on/off feature, you never have to worry about turning off the power to the equalizer when you shut off the audio system.

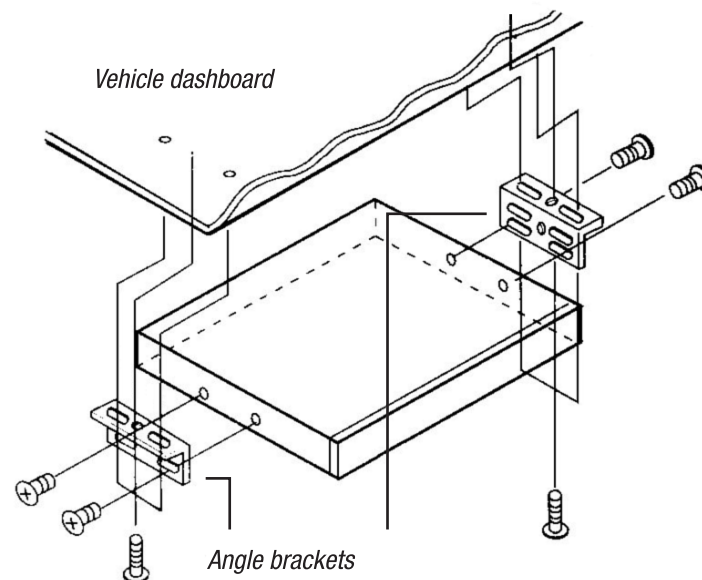
## SETTING SYSTEM POWER OUTPUT LEVELS

The S7EQ does not have a Volume Level control. Therefore, all of your audio system level controls are made at the head unit or, in the case of the subwoofer output, at the amplifier (or its remote control unit) dedicated to the subwoofer channel.

## INSTALLATION

### Mounting the equalizer

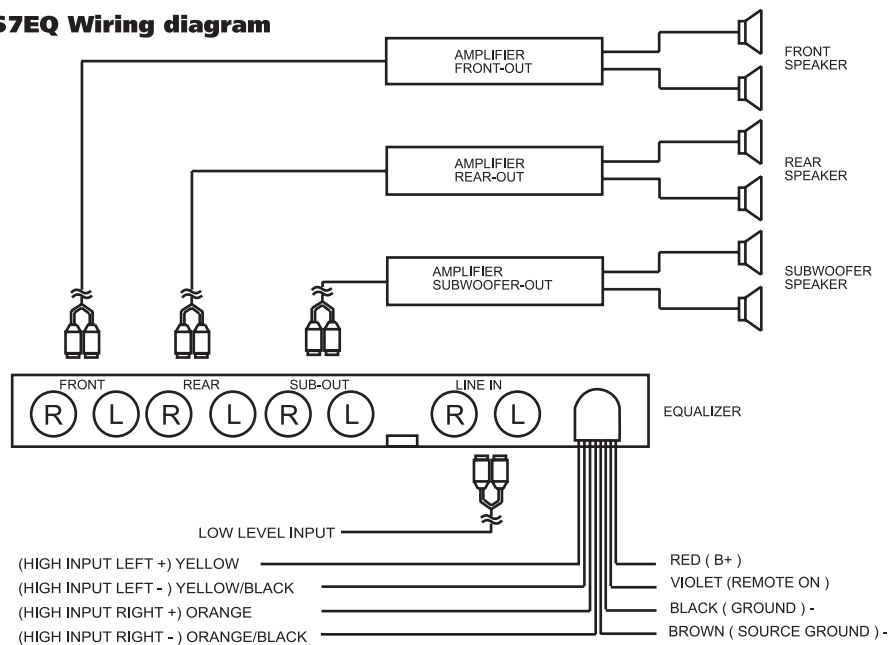
The Sound Storm S7EQ is designed to be installed to the underside of your vehicle dashboard or other similar surface using the screws and brackets provided. Install the unit securely, according to the diagram below.



## ELECTRICAL CONNECTIONS

Review the diagram below and connect the unit as shown. Please note that this equalizer contains an internal ON/OFF switch, which is activated when the head unit is turned on. For this reason, in order to use this equalizer, your head unit must have a remote-turn on lead.

**S7EQ Wiring diagram**



## SPECIFICATIONS

### S7EQ

#### 7-Band Graphic Equalizer with LED Power Meter and Subwoofer Output

**EQ Center Frequencies:** 60Hz, 150Hz, 400Hz, 1 kHz, 3 kHz, 6kHz, 15kHz

**Equalization Range:** (boost/cut) +/- 12dB

**Frequency Response:** 20Hz-20kHz

**Subwoofer Crossover Frequency:** selectable 80 or 150Hz, 12dB/Octave

**Signal-to-noise ratio:** 60dB

**Equalizer THD:** less than 0.05%

**Subwoofer THD:** less than 0.05%

**Channel separation:** 45 dB

**High level input voltage:** 4V

**Low level input voltage:** 0.5V

**Defeat/Equalizer:** 0dB +/- 1dB

**Power Supply:** 10-16V Negative Ground

**Output voltage:** 1.5V