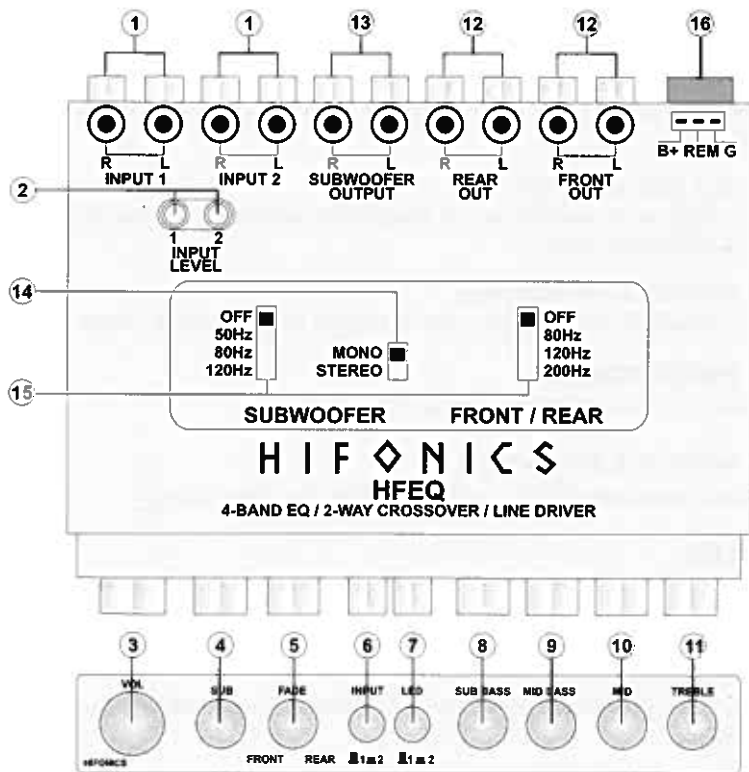


HIFONICS®
C A R A U D I O
POWER FROM THE GODS

HFEQ

**4-BAND EQ/2-WAY CROSSOVER
LINE DRIVER**

FEATURE DESCRIPTIONS



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1. INPUT 1 / INPUT 2

Channel 1 and channel 2 input from the source unit (Radio/CD player) have L & R unbalanced input which are directly routed to the internal EQ and passed through to the channel 1 and channel 2 outputs. Each input can be chosen independently by the input selector switch (6).

2. INPUT LEVEL (gain) CONTROL

The input level control can be adjusted to match the source unit line-level sensitivity.

3. VOLUME CONTROL

The audio level (volume) can be increased or decreased with this illuminated VOLUME control knob.

4. SUBWOOFER CONTROL

The Subwoofer Output level is controlled by the SUB illuminated volume knob.

5. FADER CONTROL

Allows to control the Front and Rear output levels.

6. INPUT (1 & 2) CONTROL

Allows you to select Input channel 1 or 2 for independent control.

7. LED

Allows you to change the control knob back light illumination color from Red to Blue.

8. SUB BASS CONTROL

This control allows you to adjust the Sub Bass volume at 45Hz to increase or decrease.

9. MID BASS CONTROL

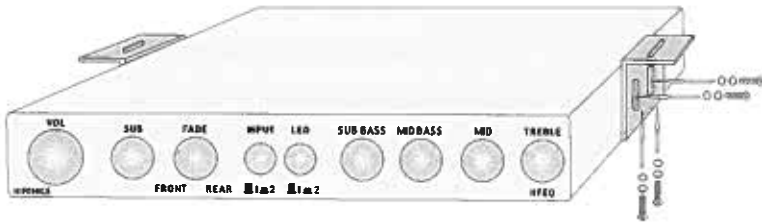
This control allows you to adjust the Mid Bass volume at 120Hz to increase or decrease.

MOUNTING AND WIRING

Prior to mounting, connect the wires to ensure proper operation.

Mounting

1. Select the desired mounting location either under the dash or in the dash. Be sure that there is adequate depth for the HFEQ.
2. Use the mounting brackets and hardware provided. Be sure there is proper clearance for the mounting bracket screws when attaching under the dash. Use caution to ensure there are no wiring harnesses behind the dash panel where the mounting screws are fastened.
3. Route the power, ground and remote wires away from moving parts to prevent pinched or shorted wires.
4. Be sure to use a 10 amp in-line fuse on the power wire to ensure proper electrical protection.



WIRING

1. **Power Wire:** The power wire should be connected to a constant or switched +12 volt source with a 10 amp in-line fuse. We recommend that you use the radio constant or switched +12 volt source.
2. **Ground Wire:** Connect the ground wire to a clean chassis ground point. Be sure to remove all paint and primer to expose clean metal. Use a ring terminal and lock or star washer to secure the ground wire.
3. **Remote Wire:** The remote wire should be connected to the source unit remote or antenna wire that provides +12 volts when the source unit is "on" and 0 volts when the source unit is turned "off".

10. MID RANGE CONTROL

This control allows you to adjust the Mid Bass volume at 2.2KHz to increase or decrease.

11. TREBLE CONTROL

This control allows you to adjust the Treble volume at 12KHz to increase or decrease.

12. FRONT / REAR OUTPUT

The Front & Rear left/right outputs are High Pass outputs to be connected to the amplifier(s) inputs.

13. SUBWOOFER OUTPUT

The Subwoofer left & right are Low Pass Outputs when crossover is used and are connected to the subwoofer amplifier(s) inputs.

14. STEREO / MONO SWITCH

This allows you to select stereo or mono for the subwoofer output

15. FRONT / REAR SUBWOOFER FREQUENCY SWITCH

This switch allows you to choose between three different frequency settings or allow Full Range (in the "OFF" position) for the subwoofer output.

16. POWER CONNECTOR

This is the input jack that supplies power, ground and remote.

The +12 Volt Terminal connects to either constant +12 volts or to an accessory switched +12 volt source.

The radio power wire is a preferred source. This is a fused power wire.

The Ground Terminal connects to chassis ground.

The Remote Terminal connects to the source unit remote or antenna output wire that provides +12 volts when the source unit is "on" and 0 volts when the source unit is turned "off".

SPECIFICATIONS

OUTPUT CHANNELS (LEFT / RIGHT)	FRONT/REAR/SUBWOOFER
INPUT CHANNELS (LEFT / RIGHT)	INPUT 1 / INPUT 2
INPUT RANGE OF GAIN CONTROL (dB)	>40
MAXIMUM INPUT VOLTAGE (V)	>10
INPUT IMPEDANCE (K-Ohms)	>20
MAXIMUM OUTPUT VOLTAGE	>9
VOLUME GAIN (dB)	>40
-3dB LOW PASS FREQUENCY (Hz)	50>80>120
-3dB HIGH PASS FREQUENCY (Hz)	80>120>200
LOW PASS/HIGH PASS SLOPE/OCTAVE	12
EQUALIZATION FREQUENCIES (Hz)	45>120>2200>12000
EQUALIZATION CUT OR BOOST (dB)	18
DISTORTION AT 1kHz - 1V (%)	.01
CHANNEL SEPARATION AT 1kHz (dB)	>80
SIGNAL TO NOISE RATIO (dB)	>100
FREQUENCY RESPONSE (Hz) (-1dB)	10 - 50k

INPUT / OUTPUT CABLE CONNECTION

1. Connect the RCA output of the source unit to the HFEQ INPUT 1. Inputs 1 & 2 are provided for using more than one source unit. If the source unit has Front & Rear outputs, turn the Fader to Front and use only the Front Outputs.
2. Connect the HFEQ Front Outputs to the Front amplifier inputs.
3. Connect the HFEQ Rear Outputs to the Rear amplifier inputs.
4. Connect the HFEQ Subwoofer Outputs to the Subwoofer amplifier inputs.
5. Adjust the Input Level Controls according to your source units line level sensitivity recommendations.