



MH-6X6

Electronic 6 way crossover

————— MANUAL —————

Technical Information

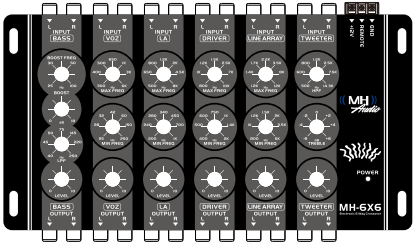
NUMBER OF WAYS	6
BASS WAY(MONO)	
Cutoff frequency(LPF)	Variable of 40Hz to 250Hz(-12dB/Octave)
BASS-BOOST:	Frequency Central Variable of 25Hz to 100Hz (0dB-18dB)
VOZ WAY(STEREO)	
Minimum Frequency (count HPF):	Variable of 25Hz to 250Hz(-12dB/Octave)
Maximum Frequency (count LPF):	Variable of 300Hz to 6KHz(-12dB/Octave)
LA WAY(STEREO)	
Minimum Frequency (count HPF):	Variable of 200Hz to 1KHz(-12dB/Octave)
Maximum Frequency (count LPF):	Variable of 500Hz to 8KHz(-12dB/Octave)
DRIVER WAY(STEREO)	
Minimum Frequency (count HPF):	Variable of 400Hz to 2KHz(-12dB/Octave)
Maximum Frequency (count LPF):	Variable of 800KHz to 10KHz(-12dB/Octave)
LINE ARRAY WAY(STEREO)	
Minimum Frequency (count HPF):	Variable of 800Hz to 5KHz(-12dB/Octave)
Maximum Frequency (count LPF):	Variable of 1.2KHz to 12KHz(-12dB/Octave)
TWEETER WAY(STEREO)	
Cutoff Frequency:	Variable of 500Hz to 14.3KHz(-12dB/Octave)
Harmonic distortion (THD):	<0,01% to 1KHz
Input impedance:	20K ohms
Output impedance:	470 ohms
Maximum Input Level:	8V RMS
Maximum Output Level :	8V RMS
Crosstalk (channel separation):	>80dB
Power supply:	10 to 15,5VDC
Nominal consumption:	240mA
Protection:	Against Polarity inversion
Power supply:	With DC-DC converter Switched
Dimensions (WxHxD):	238 x 40 x 148mm(9.37" x 1.57" x 5.82")
Weight:	0,79Kg(1.75lb)

FEATURES AND SPECIFICATIONS SUBJESCT TO CHANGE AND/OR IMPROVEMENT WITHOUT NOTICE

READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE INSTALLING THE PRODUCT.
SHOULD YOU HAVE QUESTIONS CONTACT THE FACTORY.

Congratulations on your purchase of this product.
MH-6X6 crossover was developed with the highest technology, high quality starting pieces and components, being this way a high reliability product.
Versatile, it offers 6 ways with variable adjustment of filters as well as an output level control at each way, plus adjustable - BASS BOOST.
For convenience at installing and adjusting, all settings, inputs and outputs have their indications at the frontal panel at hand. Their disposition aims to enable easy configuration of all ways of the

➡ Any incoming power connection, input or output, must be done only with the device turned off.



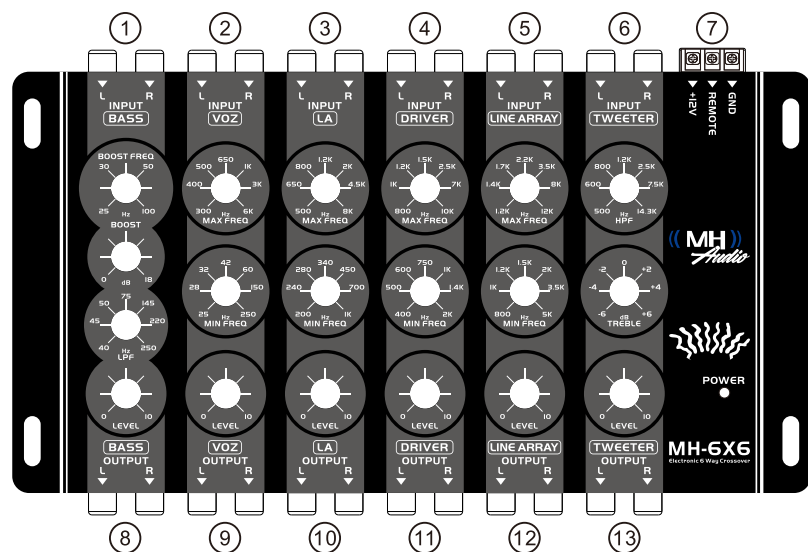
IMPORTANT RECOMMENDATIONS

MH-6X6 Crossover must be placed at a stable base/support of easy access, away from heating sources.
-It is NOT recommended to install the product at the side of loudspeaker sound boxes, due to its vibration.
-Do NOT place it directly on vehicle body parts, frame or structure.

Recommended wire width is 0.8mm²(20 AWG) for positive wiring and negative and 0.64mm² (22 AWG) for remote wire.
The positive wire must be connected to the positive pole of the battery. For protection, a fuse must be installed close to the battery (1 A).
The negative wire must be connected to the negative pole of the battery.
The REMOTE terminal must be connected to the remote output of the CD/DVD player.

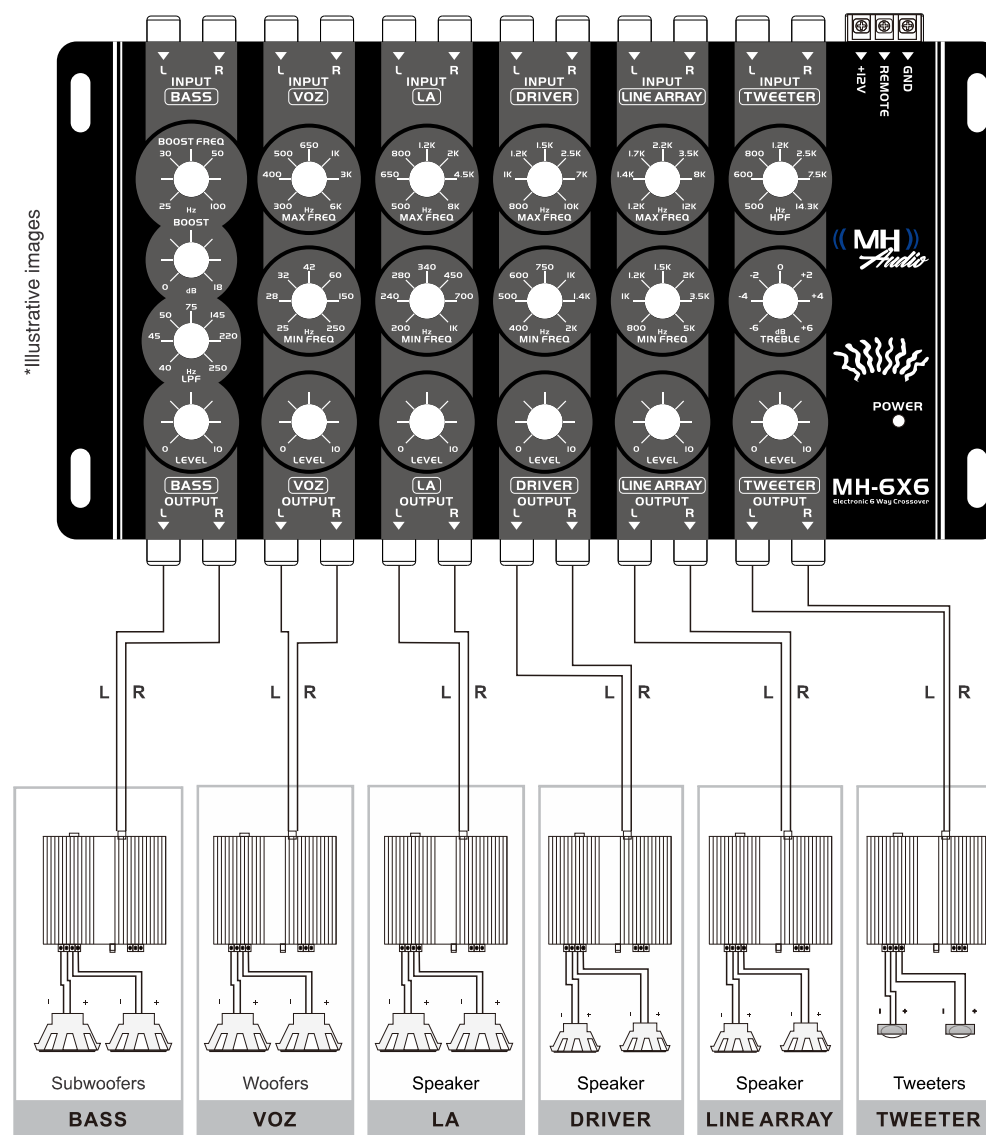
-Never supply power to MH-6X6 from the original vehicle wiring.
-In order to avoid noise capitation, use armored wire. They must not be installed parallel to incoming power supply wires, being the shortest possible.
-Any incoming power connection, input or output, must be done only with the device turned off.
For more details, check page 06 of this manual.

CROSSOVER GENERAL PLAN

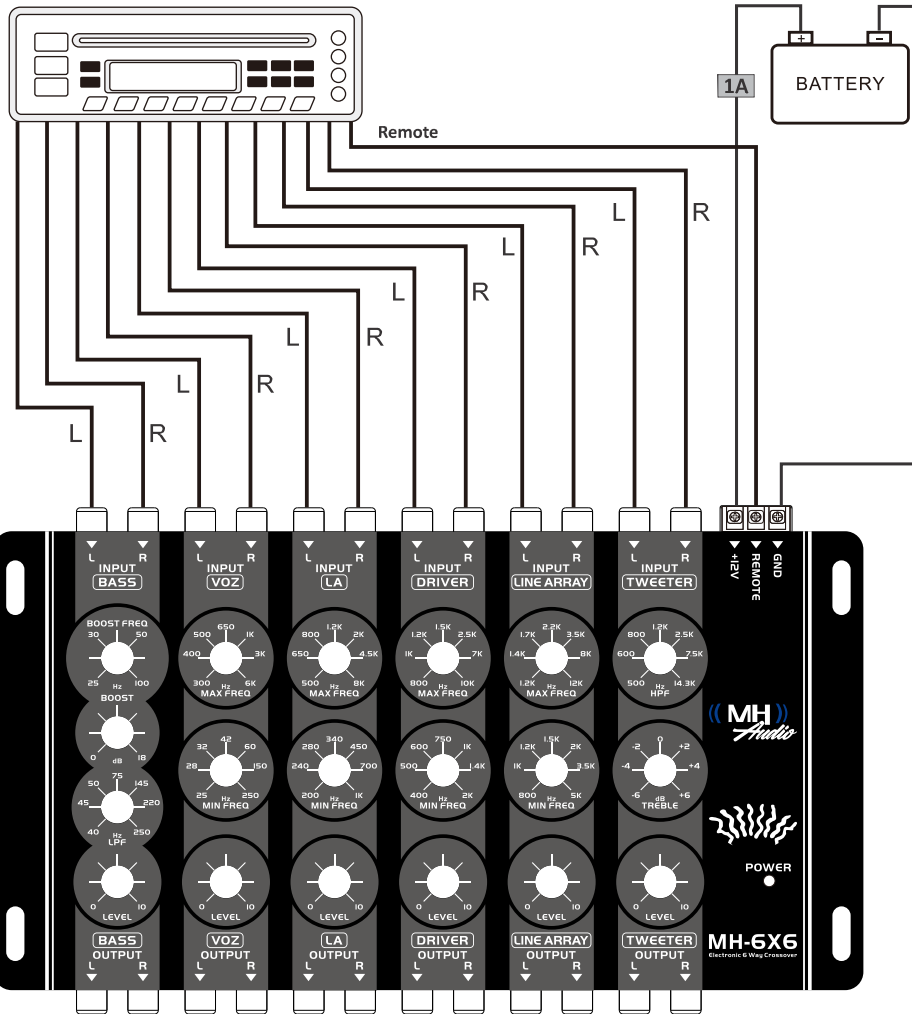


1. Input signal (L or R) from low way (BASS).
2. Input signal (L or R) from low way (VOZ).
3. Input signal (L or R) from low way (LA).
4. Input signal (L or R) from low way (DRIVER).
5. Input signal (L or R) from low way (LINE ARRAY).
6. Input signal (L or R) from low way (TWEETER).
7. Power connector.
8. Signal output (L or R) from low way (BASS).
9. Signal output (L or R) from low way (VOZ).
10. Signal output (L or R) from low way (LA).
11. Signal output (L or R) from low way (DRIVER).
12. Signal output (L or R) from low way (LINE ARRAY).
13. Signal output (L or R) from low way (TWEETER).

CROSSOVER OUTPUT CONNECTION PLAN

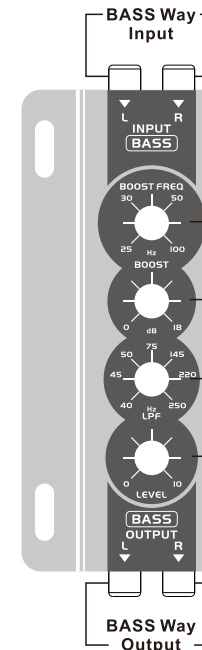


CROSSOVER INPUT CONNECTION PLAN

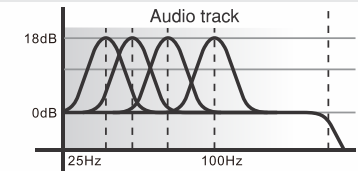


*Illustrative images

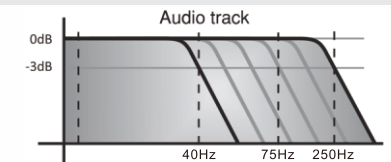
BASS WAY



Boost Freq.- Adjust the frequency of operation of the BASS-BOOST (bass boost). In the example below, the frequencies between 25Hz and 100Hz will have an approximate reinforcement 18dB.

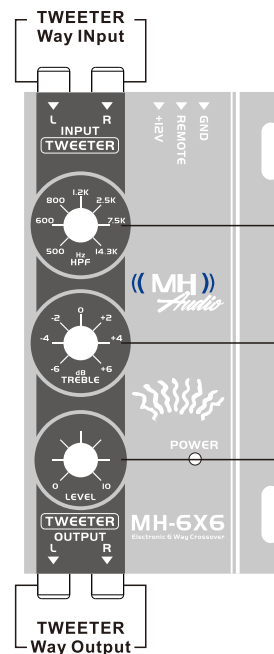


LPF - Superior cut frequency adjustment, variable from 40Hz to 250Hz, which determines the end of frequency of BASS way operation.

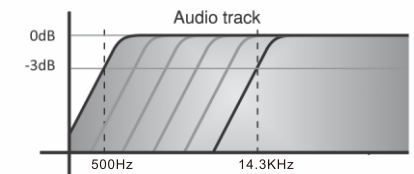


LEVEL - Adjust the output level of this BASS way.

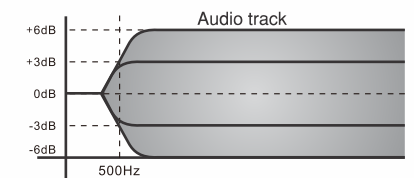
TWEETER WAY



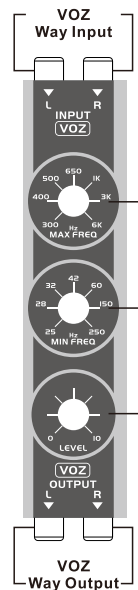
HPF - Inferior cut frequency adjustment, variable from 500Hz to 14.3KHz, which determines the end of frequency of TWEETER way operation.



TREBLE 500Hz-14.3KHz Can boost or attenuate 6dB.



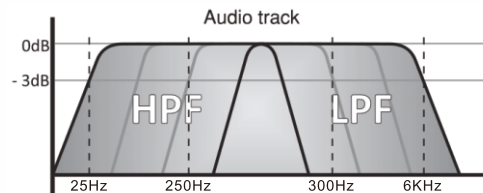
LEVEL - Adjust the output level of this TWEETER way.



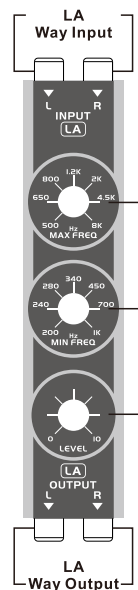
VOZ WAY

LPF - Superior cut frequency adjustment, variable from 300Hz to 6KHz, which determines the end of frequency of VOZ way operation.

HPF - Inferior cut frequency adjustment, variable from 25Hz to 250Hz, which determines the end of frequency of VOZ way operation.



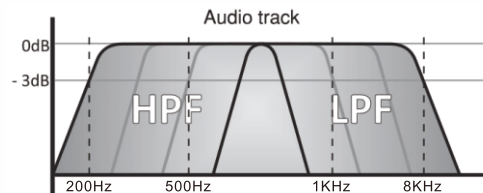
LEVEL - Adjust the output level of this VOZ way.



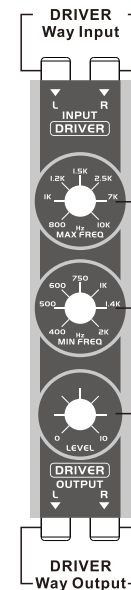
LA WAY

LPF - Superior cut frequency adjustment, variable from 500Hz to 8KHz, which determines the end of frequency of LA way operation.

HPF - Inferior cut frequency adjustment, variable from 200Hz to 1KHz, which determines the end of frequency of LA way operation.



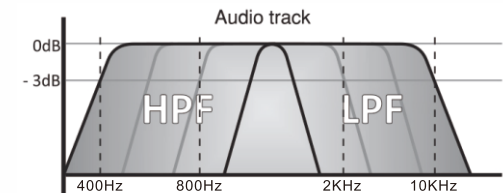
LEVEL - Adjust the output level of this LA way.



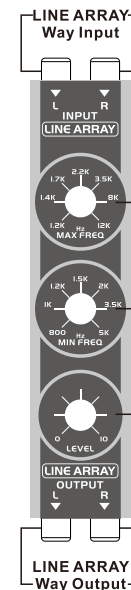
DRIVER WAY

LPF - Superior cut frequency adjustment, variable from 800Hz to 10KHz, which determines the end of frequency of DRIVER way operation.

HPF - Inferior cut frequency adjustment, variable from 400Hz to 2KHz, which determines the end of frequency of DRIVER way operation.



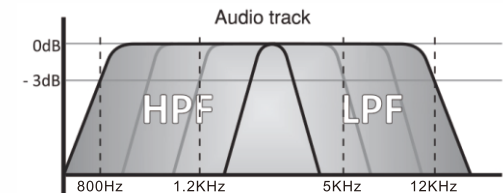
LEVEL - Adjust the output level of this DRIVER way.



LINE ARRAY WAY

LPF - Superior cut frequency adjustment, variable from 1.2KHz to 12KHz, which determines the end of frequency of LINE ARRAY way operation.

HPF - Inferior cut frequency adjustment, variable from 800Hz to 5KHz, which determines the end of frequency of LINE ARRAY way operation.



LEVEL - Adjust the output level of this LINE ARRAY way.