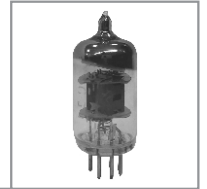


## User Manual

Thank you for choosing MBQ AB4100T tube audio power amplifier.  
To get the best results, please follow the recommendations of this user manual during installation and operation.



**MBQ<sup>®</sup>**  
car audio system

# AB4100T

## SPECIFICATIONS

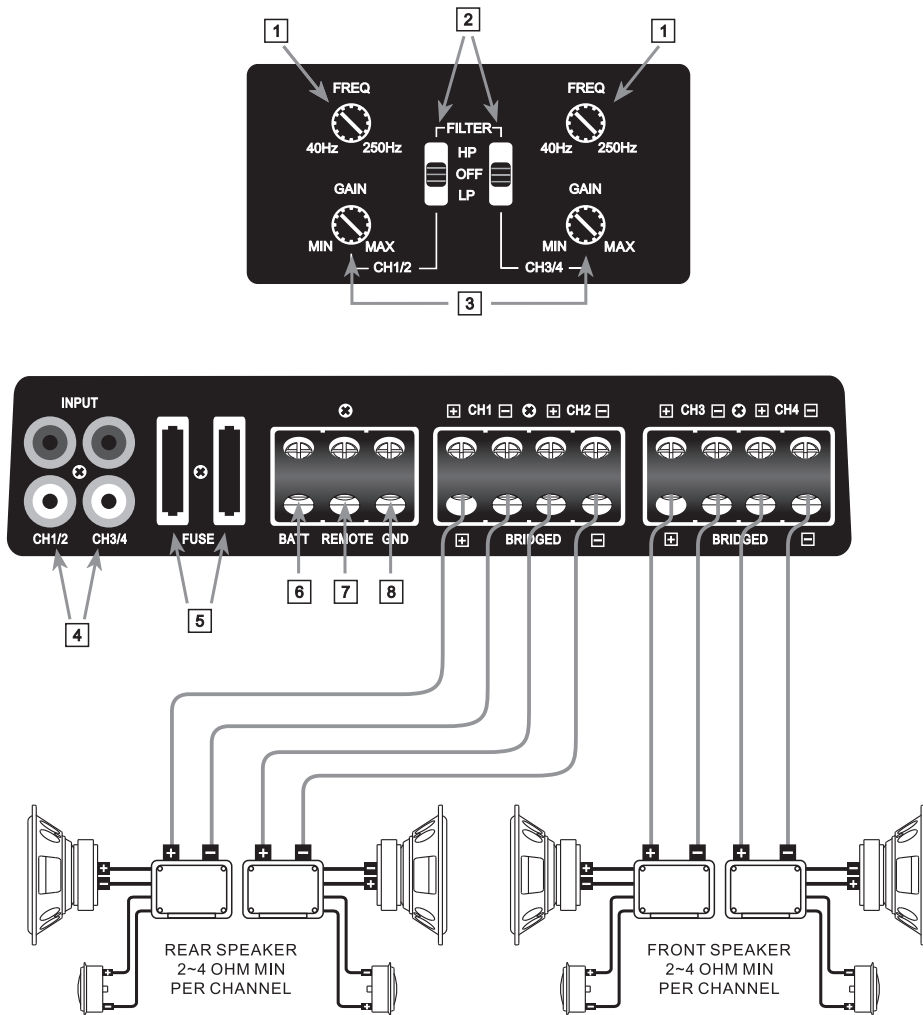
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● MODEL	<b>AB4100T</b>
● Channels	4
● Output Power(RMS)	14.4VDC Power Supply
Stereo @ 4Ω	4X100 Watt
Bridged @ 4Ω	2X150 Watt
● T.H.D.	
4Ω	<0.1%
● Frequency Response	20Hz~20kHz
● S/N Ratio	>90dB
● Separation @1 kHz	>50dB
● Input Sensitivity	0.2V~4V
● Crossover(Butterworth)	
HP	40Hz~250Hz
LP	40Hz~250Hz
● Input Impedance	>20kΩ
● Dimensions	370X272x80 mm
● Weight	5Kg

# AB4100T

## TYPICAL 4-CHANNEL CONFIGURATION

5



1 ADJUST FREQUENCY

2 SET TO  $\left[ \begin{array}{l} \text{HP} \\ \text{OFF} \\ \text{LP} \end{array} \right.$

3 GAIN

4 RCA SIGNAL INPUT

5 FUSE 2x25A

6 TO BATTERY +12V

7 TO TURN-ON  
(REMOTE) OF DECK

8 GROUND TO CHASSIS

# AB4100T

## FEATURES

2

### • Audio Stage Design

Using eight low power consumption vacuum tubes as the audio signal amplification, AB4100T takes full advantage of the unique properties of vacuum tubes. While maintaining a warm sound, it also ensures the music resolving power. When listening to music, you'll be addicted to its delicate mellow tone, just like being on the scene personally.

The tube amplifier adopts double-sided PCB board and with gold-plated surface treatment.

### • Protection Circuitry

The LED digital voltmeter keeps bright when the amplifier works normally and will be twinkled when the overheat protection circuit is working. At the same time, the amplifier will stop operating and will automatically start working again after it cools down.

### • Built-in Crossover

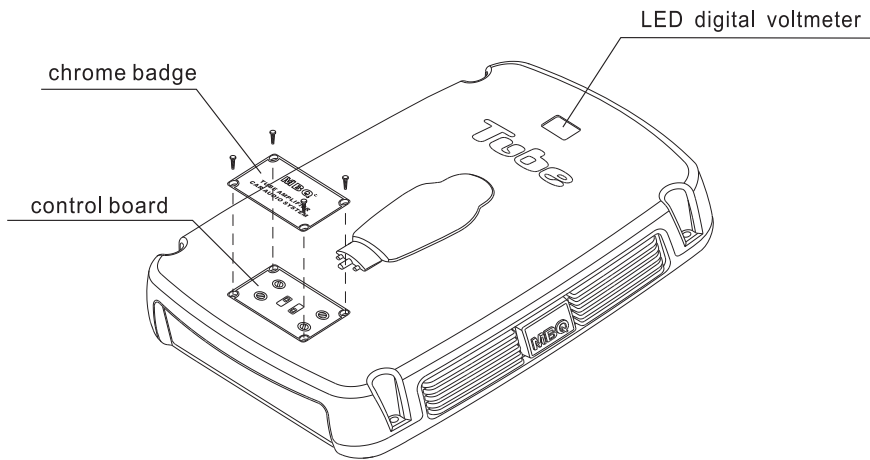
For the purpose of saving your money to buy an extra crossover, MBQ AB4100T tube amplifier builds in a high pass/low pass/full range crossover select switch, and with independent 12dB/oct slope crossover frequency adjustment.

# AB4100T

## FEATURES

3

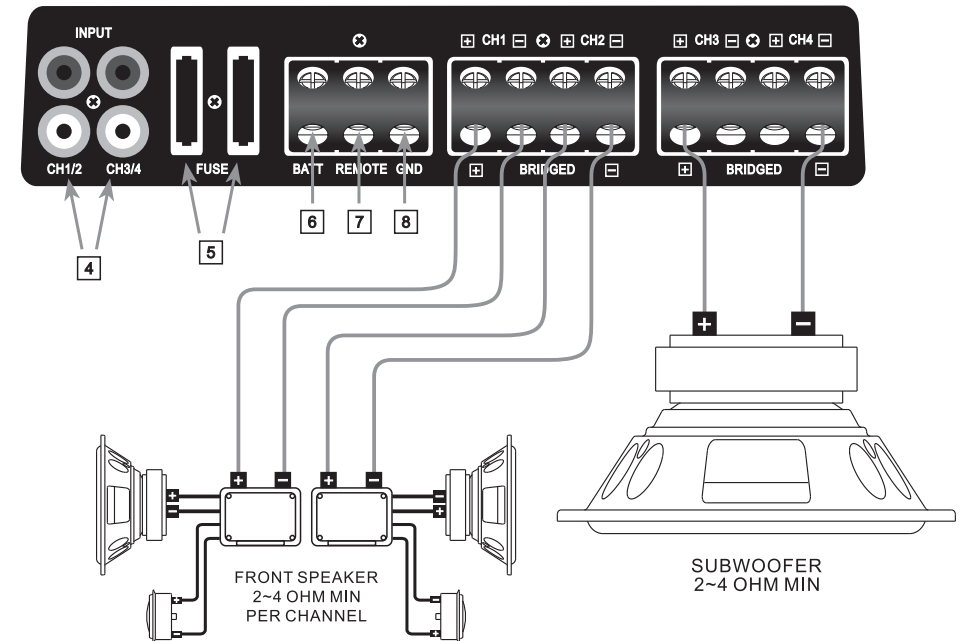
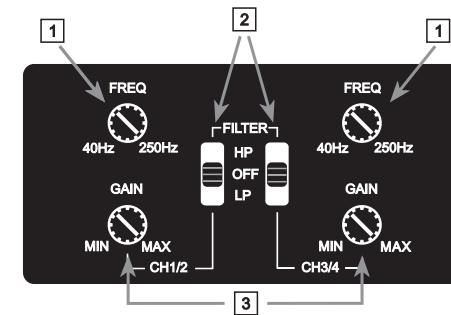
- Independent CH1/2 and CH3/4 12dB High Pass & Low Pass Crossover Frequency Adjustment.
- Separate High Pass/Low Pass/Full range select switch.
- 4-channel / 3-channel / 2-channel system configuration.
- Mono / Stereo / Bridged mono feature.
- Thermal overload Protection.



# AB4100T

## TYPICAL 3-CHANNEL CONFIGURATION

4



- |                               |  |                   |
|-------------------------------|--|-------------------|
| 1 ADJUST FREQUENCY            | 2 SET TO $\left\{ \begin{array}{l} \text{HP} \\ \text{OFF} \\ \text{LP} \end{array} \right.$ | 3 GAIN            |
| 4 RCA SIGNAL INPUT            | 5 FUSE 2x25A   | 6 TO BATTERY +12V |
| 7 TO TURN-ON (REMOTE) OF DECK | 8 GROUND TO CHASSIS  |                   |