



OWNER'S MANUAL

XT-6K
XT-8K

FEATURES

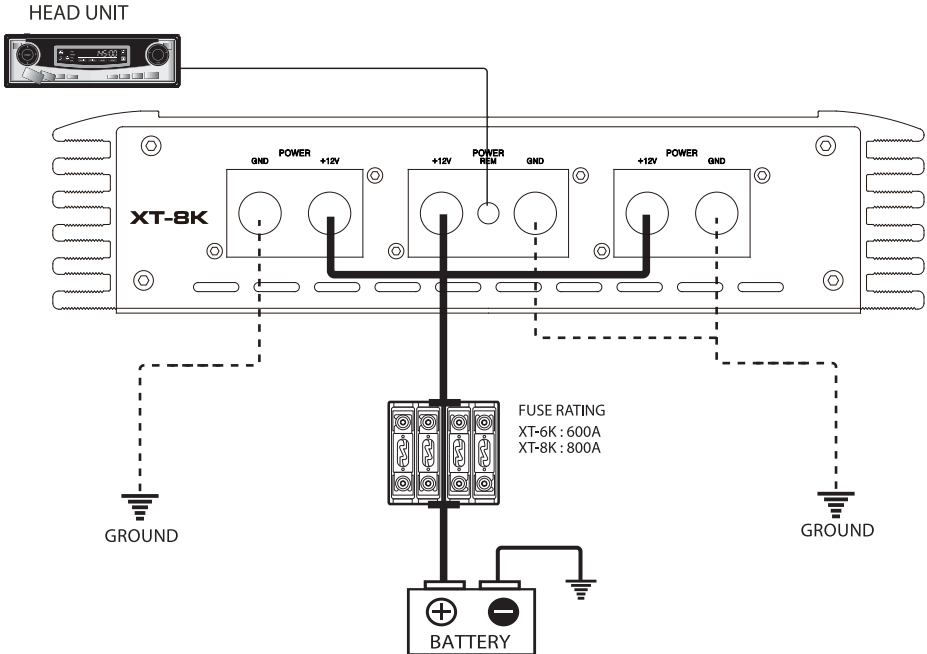
- Digital Class-D Strapable Mono Block Amplifier
- Dual MOS-FET PWM Power Supply
- Stable Into 1 Ohm Mono Load
- 24 dB/Octave - Variable Low Pass Filter
- 24 dB/Octave - Variable Subsonic Filter
- 180 Degree Variable Phase Shift
- 4 Way Protection Circuit
(Thermal, Voltage, Speaker Short and DC Offset)
- XT Amplifiers Operating Voltage Range : 9V - 16V
- 3 Sets of 0 Awg Power & Ground Inputs
- 4 Awg Speaker Terminals
- Subwoofer Level Controller Included

SPECIFICATIONS

	XT-6K	XT-8K
Rated Power Output	(@12.5 Volts)	(@12.5 Volts)
- RMS Power, 2 Ohm Strapped	12,000 Watts	16,000 Watts
- RMS Power, 1 Ohm Mono	6,000 Watts	8,000 Watts
- RMS Power, 2 Ohm Mono	3,500 Watts	4,800 Watts
- RMS Power, 4 Ohm Mono	1,800 Watts	2,600 Watts
Low Pass Frequency Crossover	35Hz - 250Hz	35Hz - 250Hz
Subsonic Filter	10Hz - 50Hz	10Hz - 50Hz
Phase Shift Control	0 - 180 Degree	0 - 180 Degree
Frequency Response (+/- 1dB)	10Hz - 250Hz	10Hz - 250Hz
Input Sensitivity (+/- 5%)	0.2V - 6V	0.2V - 6V
Signal/Noise Ratio	90dB	90dB
T.H.D @ 4 Ohm	< 0.1%	< 0.1%
Efficiency @ 4 Ohm	96%	96%
Recommended Fuse Rating	600A	800A
(External Type Fuse)		
Operating Voltage	9V - 16V	9V - 16V
Dimensions (L Inches)	28.35"	32.30"
11.34(W) x 2.58(H)		

All features are subject to change in the continuing effort to improve the products without notice.

POWER CONNECTIONS



⚠ CAUTION

XT-6K & XT-8K are not supplied with an internal fuse. Make sure you install a in-line fuse holder from the positive (+) terminal of the battery.
XT-6K & XT-8K operating voltage : 9 Volts - 16 Volts.

+12V POWER

Connect the + 12V terminal of the amplifier to the positive (+) terminal of the battery using the same diameter cable as the ground cable, making sure you install a in-line fuse holder, approximately 300 or 400 mm from the positive (+) terminal of the battery.

GROUND

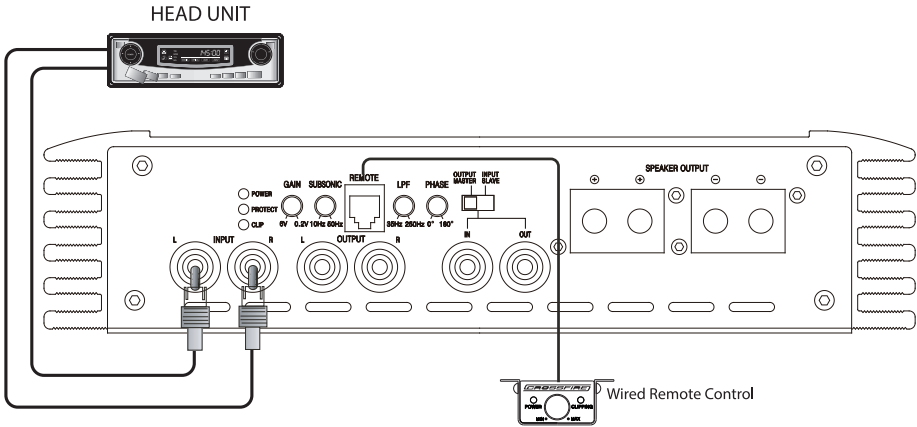
Disconnect the battery and connect the GND (Ground) terminal to the car's chassis. Keep this cable as short as possible (not longer than 20 inches or less) Making sure that the connection with the chassis is rust free and clear of paint or grime.

REMOTE

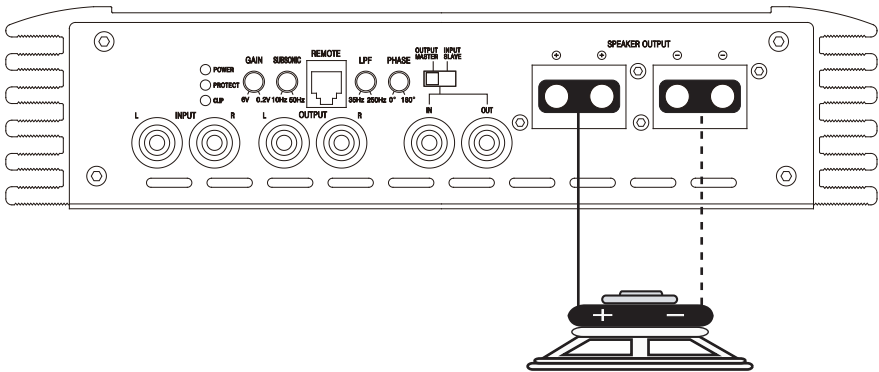
Connect the REM terminal of the amplifier to the power antenna terminal in the car ignition switch using 12 or 14 awg electrical wire.

RCA & SPEAKER CONNECTION

XT-6K & XT-8K INPUT & CONNECTION



SPEAKER CONNECTION



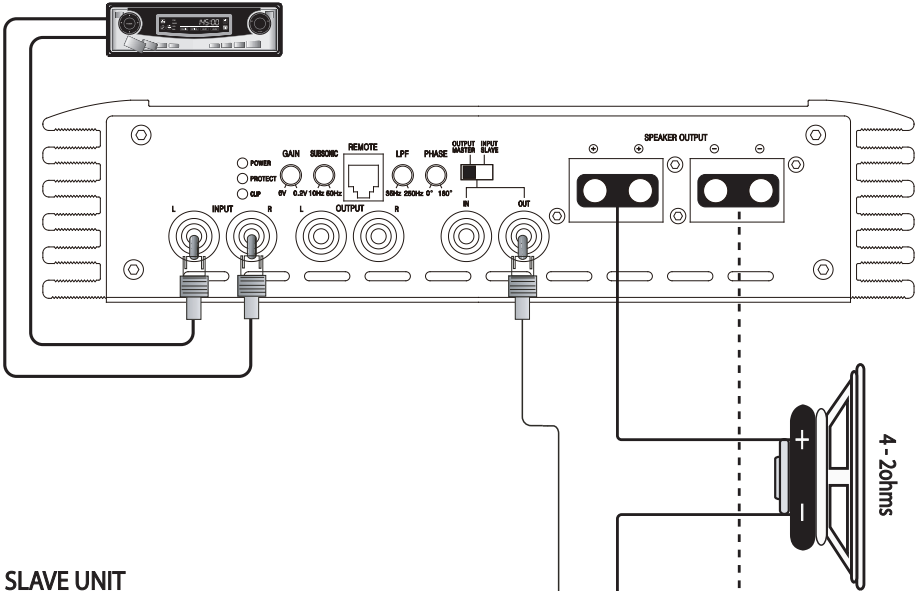
! CAUTION

XT-6K & XT-8K minimum working impedance is 1 ohm for a single amplifier or 2 ohm for two amplifiers in a strapped configuration. Impedance lower than 1 ohm or 2 ohm strapped can damage the amplifiers.

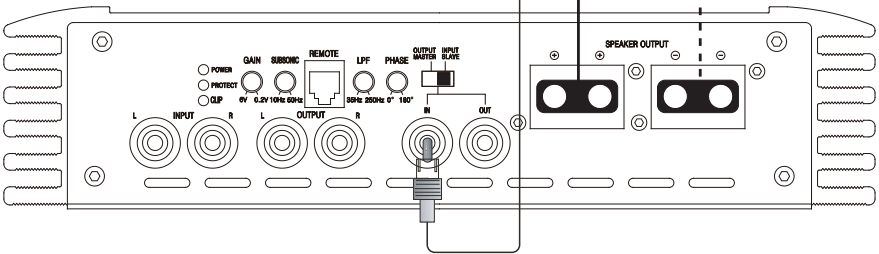
STRAPPED INPUT & SPEAKER CONNECTION

MASTER & SLAVE RCA CONNECTION

MASTER UNIT HEAD UNIT



SLAVE UNIT



In a strapped mode configuration, the master amplifier has total control over the slave amplifier. When using a strapped mode to operate a subwoofer, the positive terminal of the subwoofer's voice coil must be connected to the positive terminal of the master amplifier and the negative terminal of the subwoofer's voice coil must be connected to the positive terminal of the slave amplifier. When wiring two amplifiers to a single subwoofer, please make sure power handling capabilities will not be exceeded.

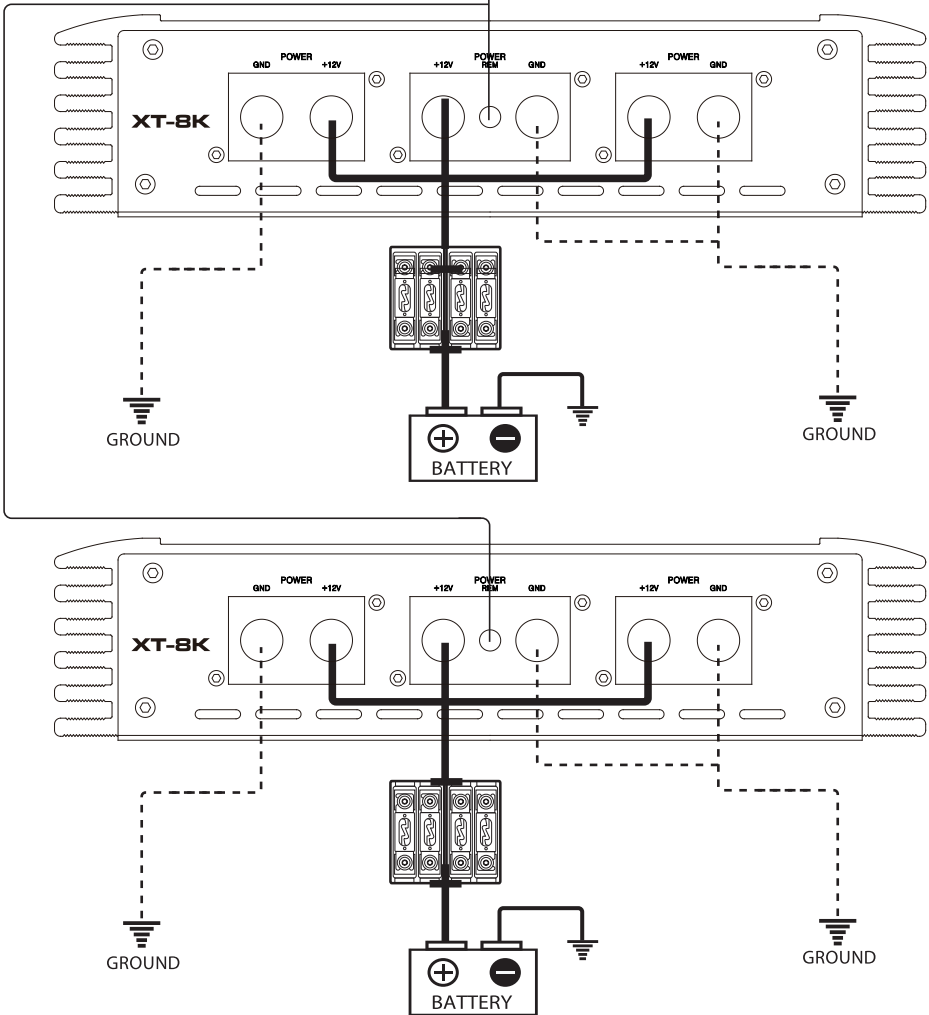
CAUTION

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DUAL AMP POWER CONNECTION (STRAPPED)

POWER CONNECTION

HEAD UNIT



⚠ CAUTION

XT-6K & XT-8K Operating Voltage : 9 Volts to 16 Volts.

TROUBLE SHOOTING

XT-6K and XT-8K amplifiers have protection features to prevent any damages from misuse or faulty conditions. If XT-6K and XT-8K amplifiers sense excessive heat, short circuited speakers, DC offset or voltage below 9 volts or over 16 volts the protection indicator will light and the system will be turned off.

In order to check the problem, you should turn all levels down and all power off and carefully check the installation for wiring mistakes or short.

If XT-6K and XT-8K shut down due to excessive heat, they will remain in thermal protection until amplifier reaches normal operating temperature.

Before removing your amplifier, refer to the list below and follow the suggested procedures.

NO OUTPUT

@ Check remote turn-on voltage at amplifier and headunit when remote turn-on voltage is low or no turn-on voltage, there is no sound.

@ Check fuses at the battery side or external fuses and all wire connections.

@ Check RCA input is properly connected.

AMPLIFIER SHUT DOWN (PROTECTION)

@ Please check POWER, GND and REMOTE wire connection and other wires properly connected.

@ If the amplifier sees over 4 volts DC offset the amplifier will go into protect mode. Please check whether amplifier works after removing RCA-Input. If the amplifier works, then check DC offset by checking RCA-input. When DC offset is over 4 volts at input, check by replacing the source unit.

@ Amplifier goes into thermal protection when amplifier is over-heated. Amplifier will turn back on after it cools down. Please install the amplifier in a better ventilated area.

@ XT-6K & XT-8K have a minimum working impedance of 1 ohm as a single unit and 2 ohm for strapped connection.

@ XT-6K and XT-8K voltage protection will activate when voltage goes below 9 Volts or over 16 Volts.

@ Make sure chassis and remote use same Ground.

DISTORTION & NOISE

@ Please re-adjust amplifier input level which is printed on endplate.

@ Make sure to have a good ground contact for the amplifier or source unit.

@ Use sufficiently shielded RCA interconnects and good RCA routing.

@ Check all ground connections of all other audio equipment.

POOR BASS RESPONSE

@ Check speaker wiring and reverse polarity.



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LOUDER!**

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