



## OWNER'S MANUAL

**XTX 1500.1**

CLASS-D DIGITAL MONO BLOCK AMPLIFIER

**XTX 800.4**

FULL RANGE 4-CH DIGITAL AMPLIFIER

**XTX 500.5**

FULL RANGE 5-CH DIGITAL AMPLIFIER



## FEATURES

### XTX 1500.1

- \*Digital class-D linkable / dual mono block amplifier
- \*Dual MOS-FET PWM power supply
- \*Stable into 1 ohm mono load
- \*Variable 24 dB/oct, low pass crossover
- \*Variable 24 dB/oct, subsonic filter
- \*Variable 12 dB/oct, adjustable bass-boost
- \*Variable 180° adjustable phase shift
- \*Signal input and master output / slave input RCA connectors
- \*Selectable switch for master and slave operation
- \*Multi-way protection circuitry (thermal / over current / speaker short / speaker DC protection)
- \*Tested voltage & THD: 14.4V & less than 1% THD
- \*Operating voltage : DC 10V~15.5V power input
- \*Wired remote controller

### XTX 800.4

- \*High efficiency digital amplifier  
(efficiency : 80% @ 4 ohm, at 1KHz)
- \*Ultra low power consumption
- \*Ultra compact heatsink
- \*MOS-FET PWM power supply
- \*4 ohm bridged and/or 2 ohm stereo load
- \*Variable input sensitivity (gain) control
- \*18dB octave crossover slope
- \*Variable LPF / HPF crossover frequency with FULL / LPF / HPF selectable switch
- \*Signal input RCA connectors
- \*Multi-way protection circuitry  
(thermal / over current / speaker short / speaker DC protection)
- \*Tested voltage & THD: 14.4V & less than 1% THD
- \*Operating voltage : DC 10V~15.5V power input

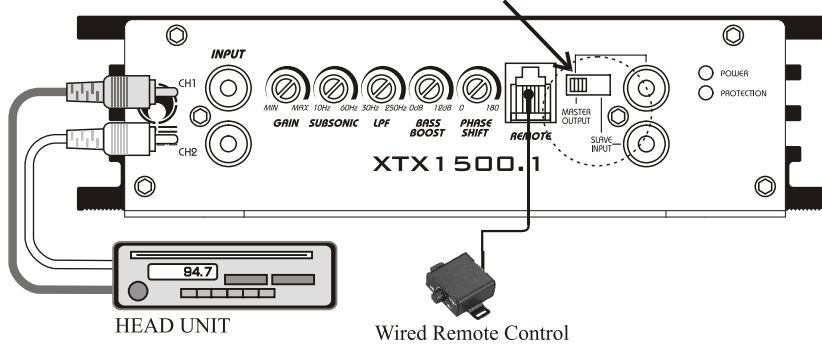
### XTX 500.5

- \*High efficiency digital amplifier  
(efficiency : 80% @ 4 ohm, at 1kHz)
- \*Ultra low power consumption
- \*Ultra compact heatsink
- \*MOS-FET PWM power supply
- \*4 ohm bridged and/or 2 ohm stereo load
- \*Variable input sensitivity (gain) control
- \*18dB octave crossover slope
- \*Variable low pass filter
- \*Variable high pass filter
- \*Variable bass boost
- \*Variable phase shift
- \*Input mode switch
- \*Signal input RCA connectors
- \*Multi-way protection circuitry  
(thermal / over current / speaker short / speaker DC protection)
- \*Tested voltage & THD: 14.4V & less than 1% THD
- \*Operating voltage : DC 10V~15.5V power input
- \*Wired remote controller

## SINGLE AMP RCA CONNECTION

**XTX 1500.1**

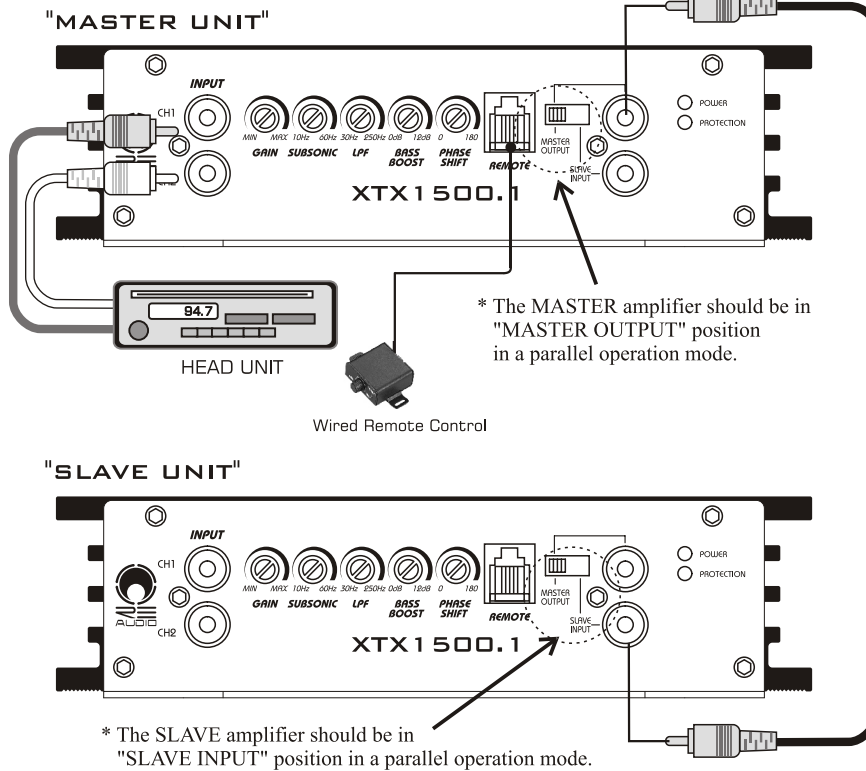
If there is no sound, please check the MASTER/SLAVE switch.  
The mode switch should be in MASTER position.  
If it is in SLAVE position, the unit will not play.



## MASTER & SLAVE RCA CONNECTION

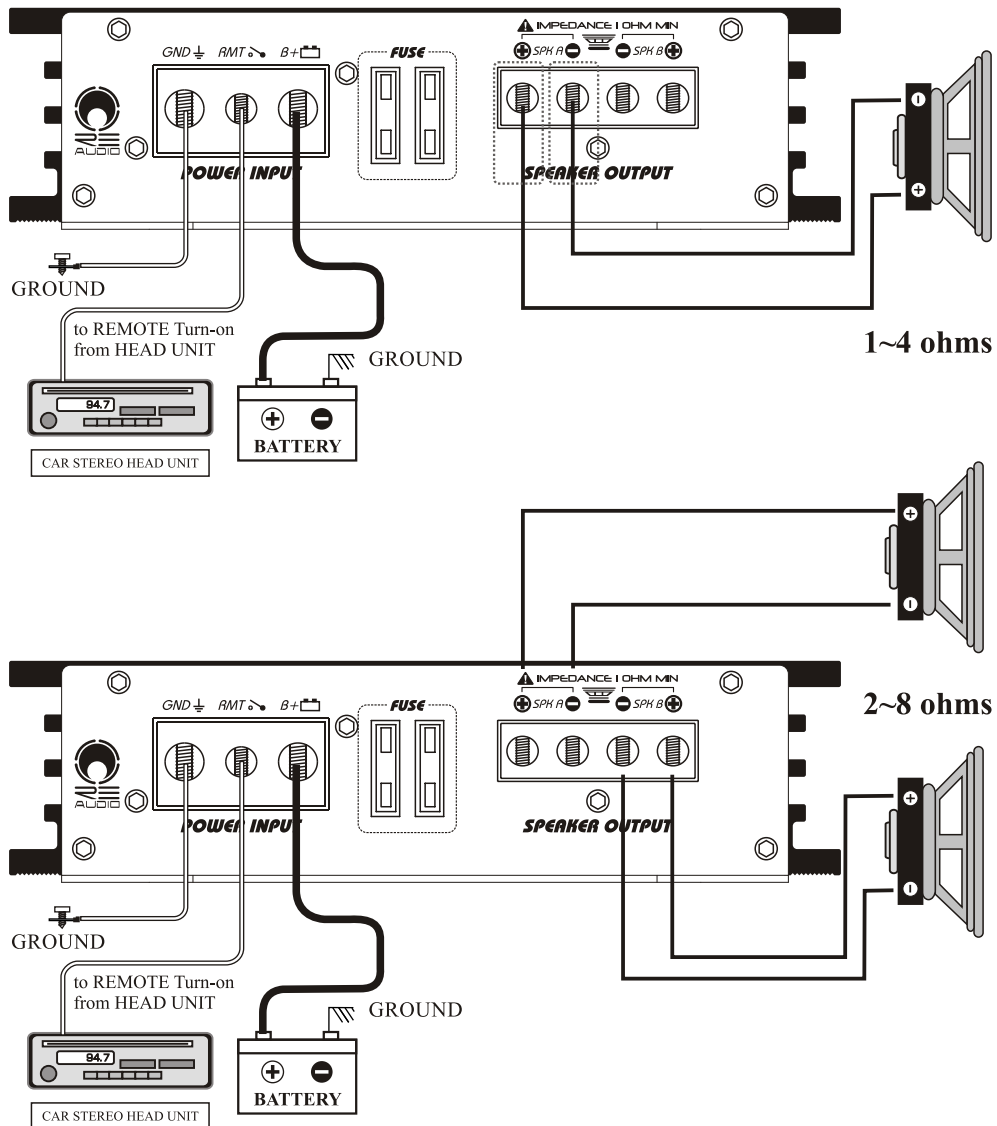
**XTX 1500.1**

To "SLAVE INPUT" of "SLAVE UNIT"



## — SINGLE AMP POWER AND SPEAKER CONNECTION

XTX 1500.1



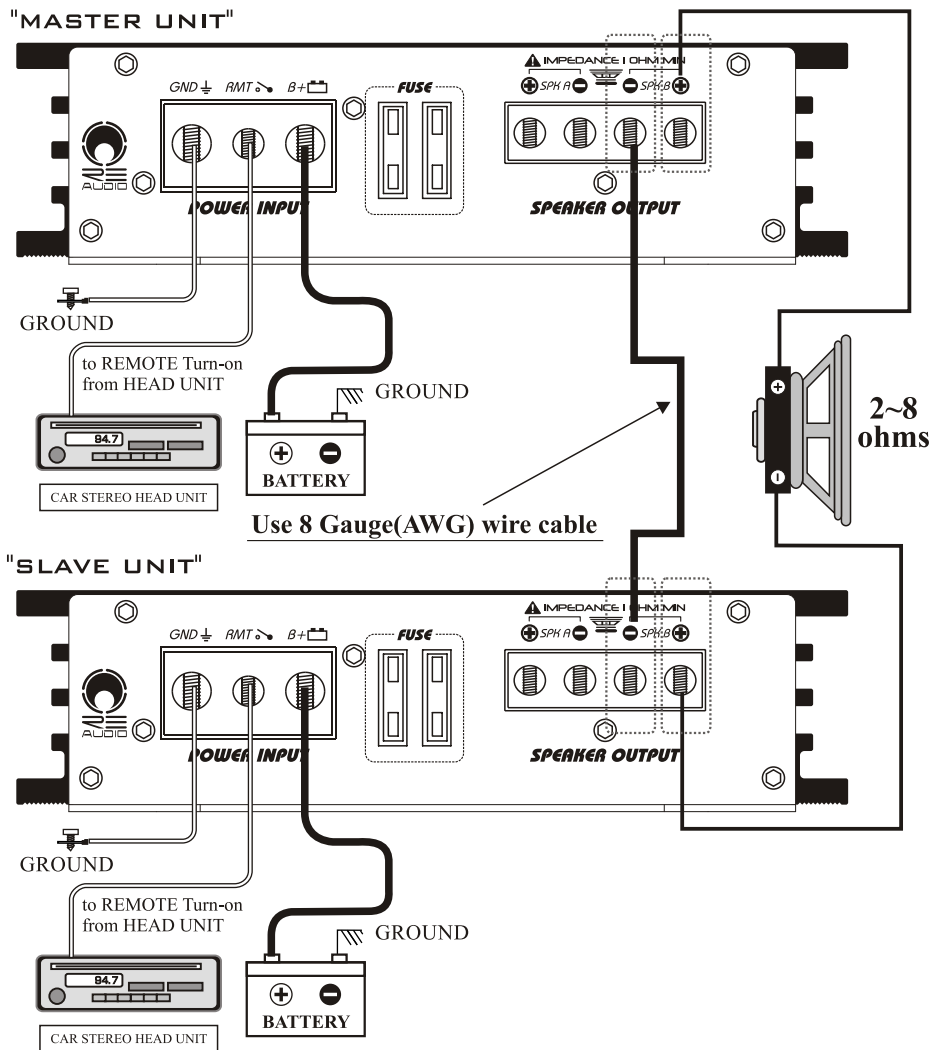
Please note that this unit is a mono block unit and only has one channel. Speaker A and Speaker B are just labeled for clear illustration.

Connecting to either the positive or negative of either of the two connections will end in the same result as both positive connections (or both negative connections) are tied together inside the unit.

For example, if you connect two 2 ohm subwoofers, the amp will parallel the connections for an 1 ohm load.

## DUAL AMP POWER AND SPEAKER CONNECTION (LINKABLE)

XTX 1500.1



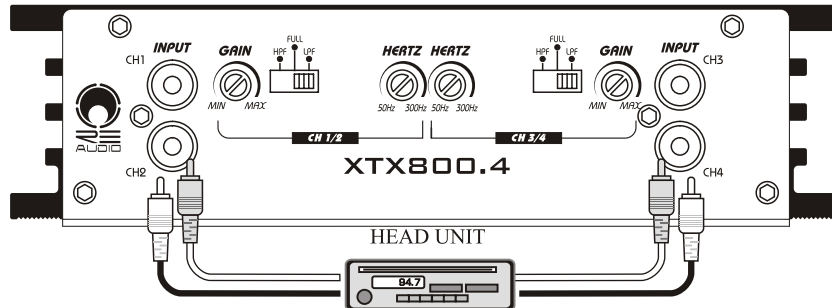
Using a dual amplifier configuration, the MASTER amplifier has total control over the SLAVE amplifier. The positive terminal of the subwoofer's voice coil must be connected to the positive terminal of the MASTER Amplifier and the negative terminal of the subwoofer's voice coil must be connected to positive terminal of the SLAVE Amplifier. Since the dual amplifier configuration has tremendous output potential, please ensure that your subwoofers can handle such a large amount of power.

### ⚠ Caution

In strapped mode your total impedance must be at least 2 ohms. Any impedance less than 2 ohms can possibly damage your amplifiers.

## RCA CONNECTION

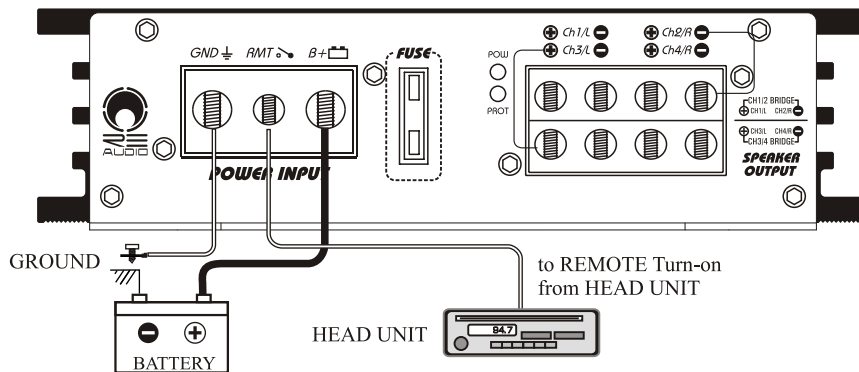
### XTX 800.4



The amplifier is equipped with RCA type signal input for low level input. To adjust input levels and to balance both channels' gain controls.

## POWER CONNECTION

### XTX 800.4



#### +12V Power

Connect B+ terminal of the amplifier to the + terminal of the battery using the wire that has the same diameter of the ground cable. Make sure you install in-line fuse holder approximately 300 to 400 mm away from the + terminal of the battery. Please ensure that there is no fuse in the fuse holder.

#### GROUND

Disconnect the battery and connect the GND (ground) terminal to the cars chassis. Keep this cable as short as possible (no longer than 500 mm). Make sure that the connection with the chassis is rust free and clear of paint or grime.

#### REMOTE

Connect the RMT terminal of the amplifier to the power antenna terminal in the car ignition switch using 12 or 16 ga. electrical wire.

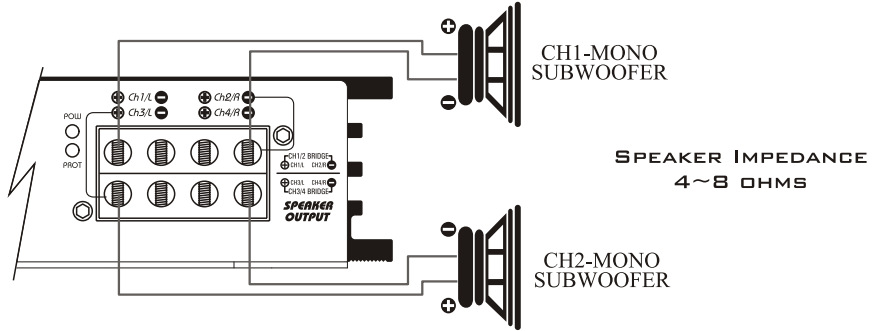
### ⚠ Caution

First make the ground connection, then +12V wire connection, and finally the remote connection. Furthermore, the +12V wire must always be fused at the battery to protect the amplifier from possible damage. If you need to replace the power fuse, replace it with a fuse of the same value. It may cause serious damage to your amplifier and/or your vehicle if you use fuses with different type or rating.

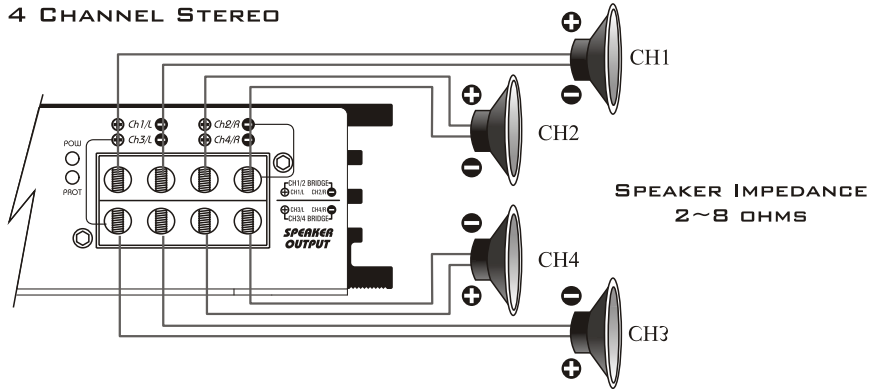
## SPEAKER CONNECTION

### XTX 800.4

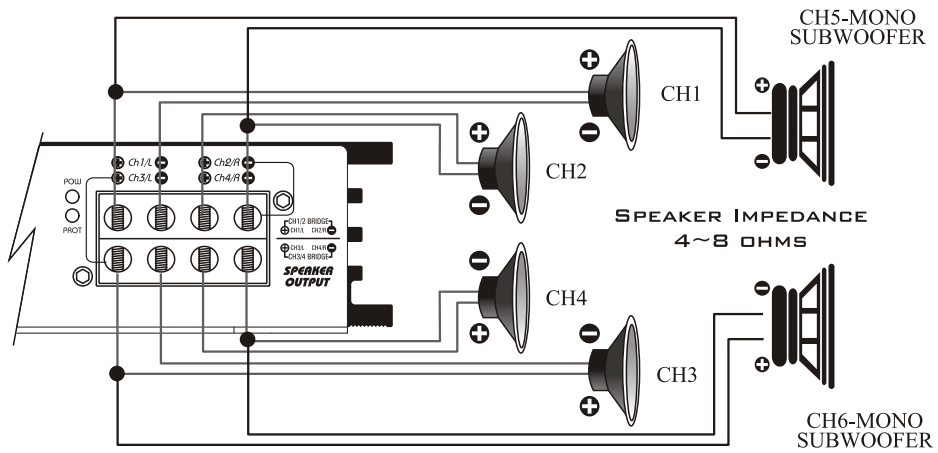
#### 2 CHANNEL BRIDGED



#### 4 CHANNEL STEREO

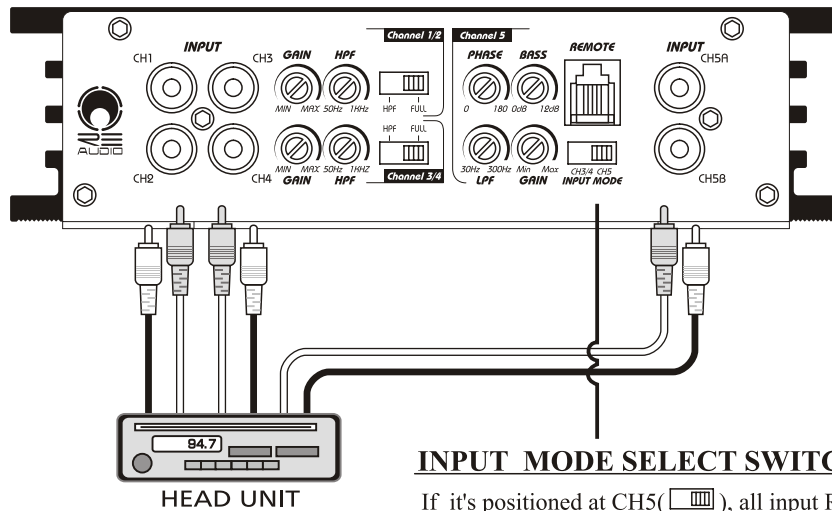
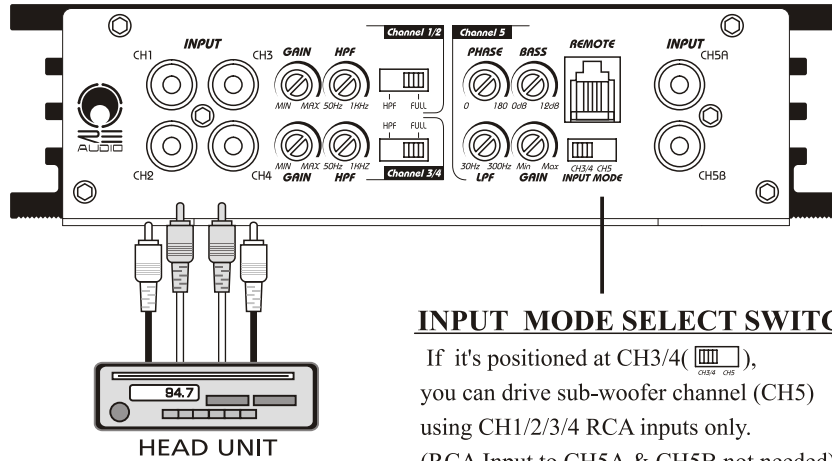


#### 6 CHANNEL TRI MODE



## RCA CONNECTION

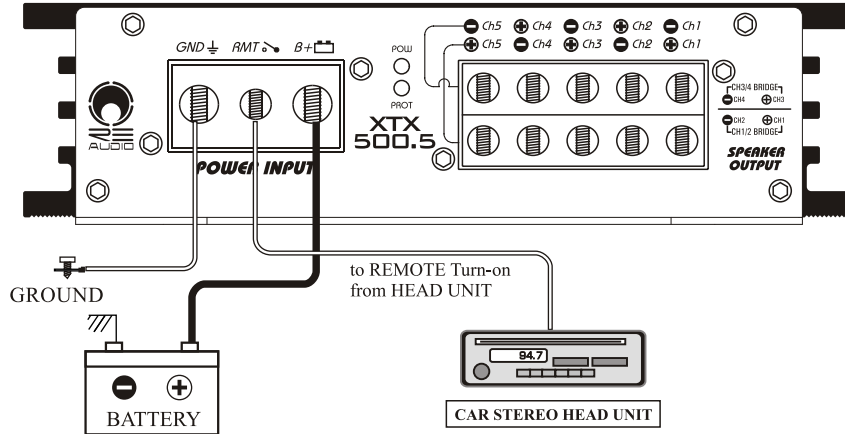
**XTX 500.5**



The amplifier is equipped with RCA type signal input for low level input. To adjust input levels and to balance both channels' gain controls.

## POWER CONNECTION

### XTX 500.5



### **⚠ Caution**

We recommend the INTERNAL fuse rating  
2 x 30 ampere

#### **GROUND**

Disconnect the battery and connect the GND (ground) terminal to the cars chassis.  
Keep this cable as short as possible (no longer than 500 mm).  
Make sure that the connection with the chassis is rust free and clear of paint or grime.

#### **REMOTE**

Connect the RMT terminal of the amplifier to the power antenna terminal in the car ignition switch using 12 or 16 ga. electrical wire.

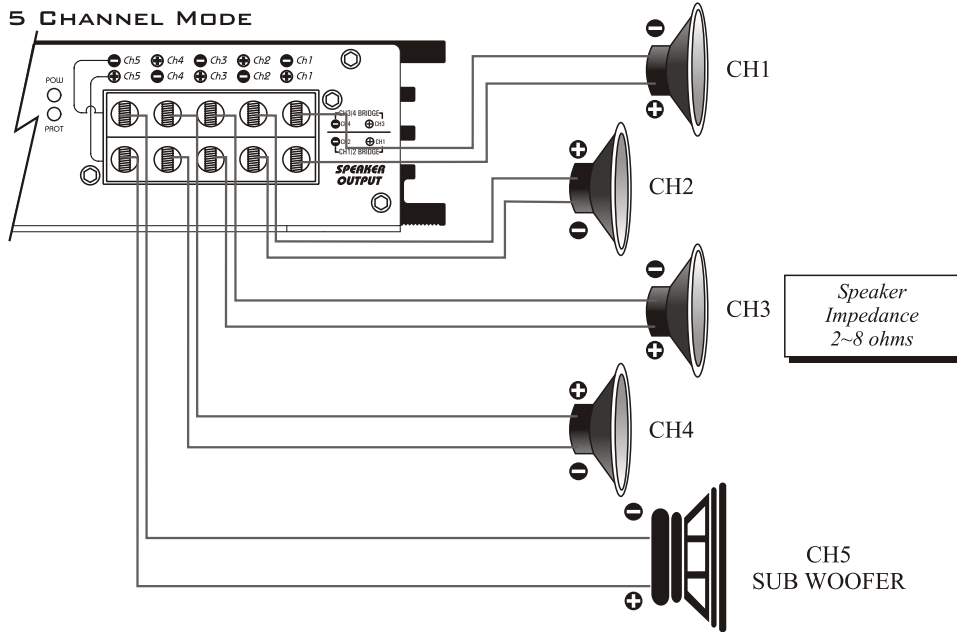
### **⚠ Caution**

First make the ground connection, then +12V wire connection, and finally the remote connection. Furthermore, the +12V wire must always be fused at the battery to protect the amplifier from possible damage. If you need to replace the power fuse, replace it with a fuse of the same value. It may cause serious damage to your amplifier and/or your vehicle if you use fuses with different type or rating.

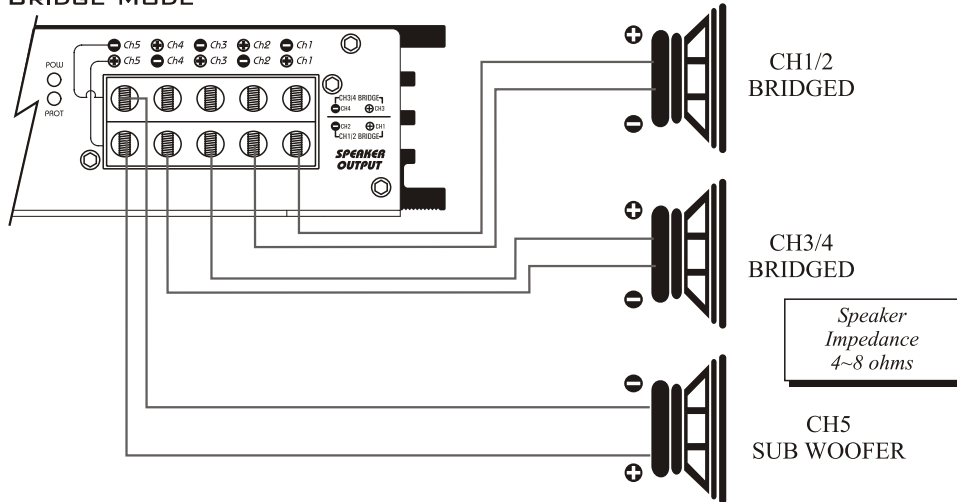
# SPEAKER CONNECTION

**XTX 500.5**

## 5 CHANNEL MODE



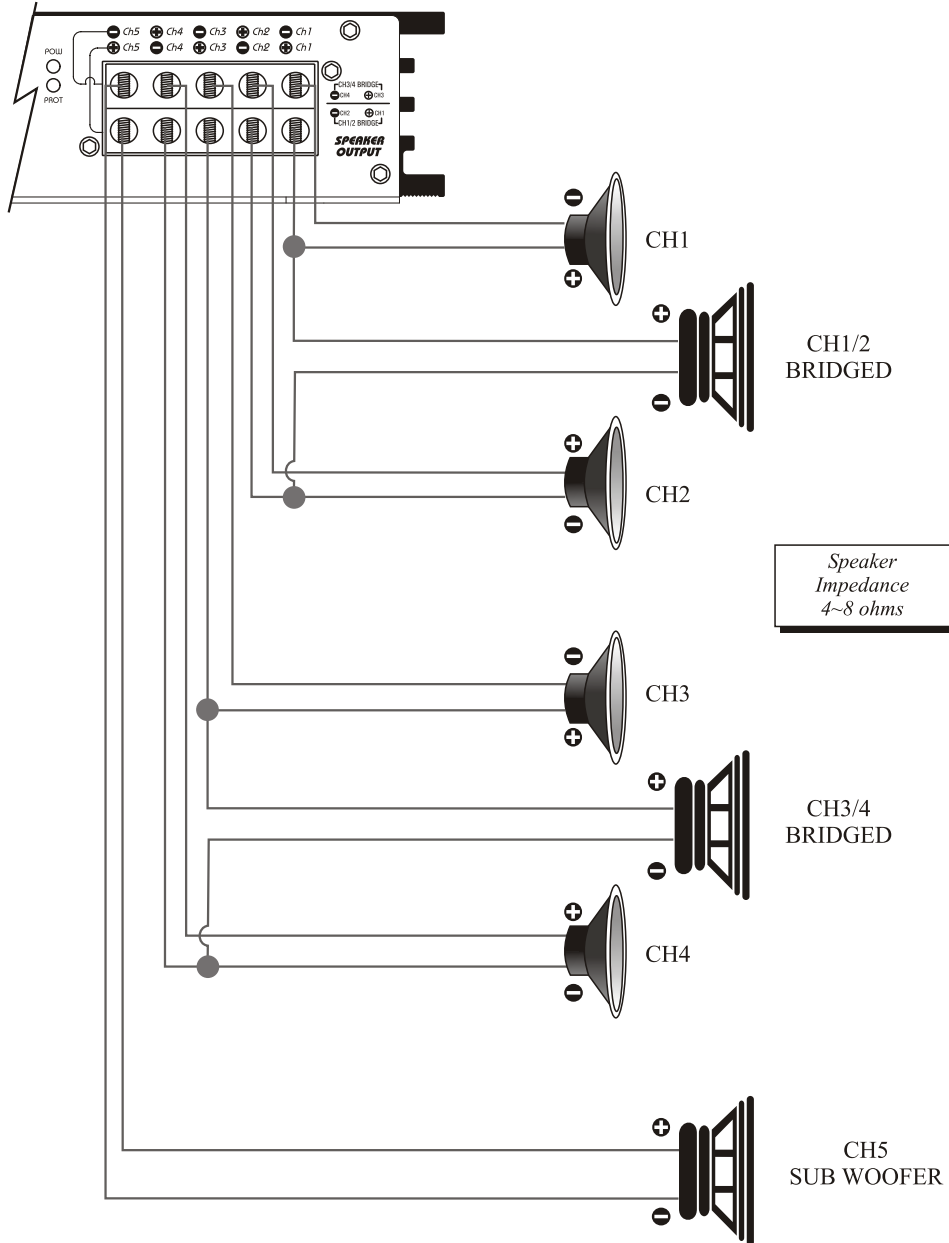
## BRIDGE MODE



# SPEAKER CONNECTION

XTX 500.5

DUAL TRI MODE



## SPECIFICATIONS

### XTX 1500.1

Rated power output	
-RMS power, 2 ohm linkable/dual mono	900W x 1CH
-RMS power, 4 ohm linkable/dual mono	580W x 1CH
-RMS power, 1 ohm mono	500W x 1CH
-RMS power, 2 ohms mono	330W x 1CH
-RMS power, 4 ohms mono	190W x 1CH
Signal to Noise Ratio	>90dB
Low pass frequency crossover	30Hz~250Hz
Subsonic filter	10Hz~60Hz
Bass boost @ 45Hz	0~12dB
Phase shift control	0~180°
Frequency response	10Hz~350Hz (+/- 1dB)
T.H.D @ 4 ohm	<0.1%
Efficiency @ 4 ohm	86%
Fuse rating	25A x 2
Input Sensitivity	200mV to 6V (+/- 5%)
Dimensions	190(W) x 49(H) x 200(L)mm

### XTX 800.4

Rated power output	
-RMS power, 4 ohms stereo	60W x 4CH
-RMS power, 2 ohms stereo	90W x 4CH
-RMS power, 4 ohms bridged	180W x 2CH
Signal to Noise Ratio	>90dB
Low Pass Crossover	50Hz ~ 300Hz
High Pass Crossover	50Hz ~ 300Hz
Frequency Response	10Hz ~ 30KHz (+/-1dB)
THD@RMS Watts	0.1%
Channel Separation	75dB
Fuse Rating	30A x 1
Input Sensitivity	200mV~6V (+/- 5%)
Dimensions	190(W) x 49(H) x 150(L)mm

### XTX 500.5

Rated power output	
-RMS power, 4 ohms stereo	60W x 4CH + 200W x 1CH
-RMS power, 2 ohms stereo	90W x 4CH + 300W x 1CH
-RMS power, 4 ohms bridged	180W x 2CH + 300W x 1CH
Low Pass Crossover	30Hz ~ 300Hz
High Pass Crossover	50Hz ~ 1KHz
Bass boost @ 45Hz	0~12dB
Phase shift control	0~180°
Frequency Response	10Hz ~ 30KHz (+/-1dB)
Signal to Noise Ratio	>90dB
T.H.D @ 4 ohm	0.1%
Efficiency @ 4 ohm	80%
Channel Separation	75dB
Fuse Rating	30A x 2 (internal type fuse)
Input Sensitivity	200mV~6V (+/- 5%)
Dimensions	190(W) x 49(H) x 270(L)mm



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