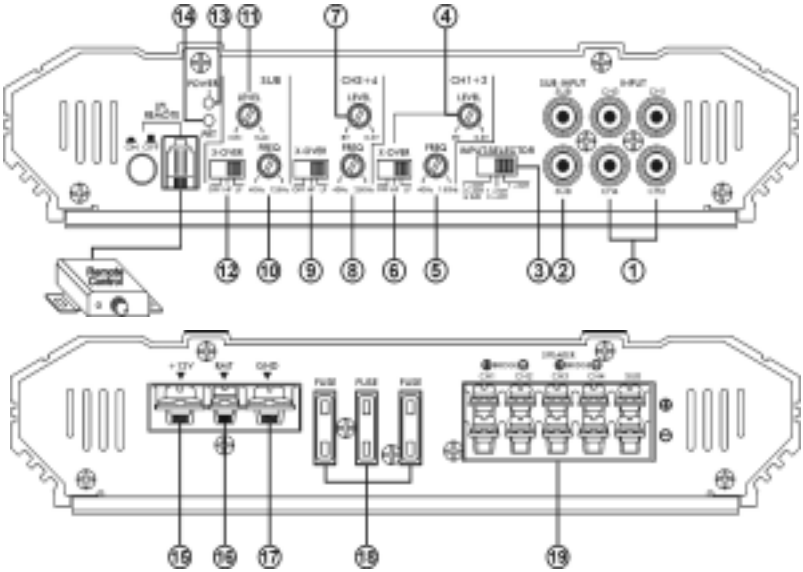
# TA-605
# 5 Channel Feature Guide

**5 Channel**
**RMS 60Wx4CH+165Wx1CH**



**(1)(2) Line Input/Sub-Input :** This allows connection to any head unit that has a RCA outputs.

**(3) Input-selector switch :** The sub outputs signal is a sum of the Ch1+2(Front) and ch3+4(Rear) outputs.
All three inputs will accept signal for use with a head unit with three preamp outputs.
1) When set to "1+2Ch" position, the front Inputs (Ch1+2) will provide signal for the entire Amplifier.
2) When set to "1+2Ch, 3+4Ch" position, both the front and rear inputs will accept signal allowing the use of head unit fader.
3) When set to "1+2Ch, 3+4Ch, SUB" all three inputs wil accept signal seperately for use with a headunit with thre preamp outputs.

**(4)(7)(11) LEVEL :** This allows level adjustment of the input signal. Use this control to correctly match the head unit to 3/4 volume, with the BASS and TREBLE on zero, then slowly turn up the amplifier level control towards the MAX end of the control, NOTE : If the sound becomes distorted, turn this control down.

**(5)(8)(10) "High-Pass" frequency control :** This control is active when the switch is set to "Hi-pass" and permits selection of the desired crossover frequency.

**(5)(8)(10) "Low-Pass" frequency control :** This control is active when the switch is set to "Low-pass" and permits selection of the desired crossover frequency.

**(6)(9)(12) CROSSOVER SELECTOR :** Set the appropriate mode of operation. The 3 positions available are FLAT, HIGH PASS and LOW PASS.

**(13) POWER LED :** When illuminated the amplifier is turned on.

**(14) PROTECTION LED :** When illuminated it indicates a fault has occurred. Check installation.

**(15) +12V :** This must be connected directly th the vehicle batteries positive(+) terminal via an inline fuse at the battery end.
Note : This is to be the lasst wire to hook up during installation as damage could result.

**(16) REMOTE :** This terminal is for turning the amplifier on and off. This requires a requires a switched positive (+12V) to power "on" the amplifier, this can be found on the rear of the head unit in the form of a electric antenna output, or a remote on output. Of not available you can wire to the ACC position on the key.

**(17) GROUND :** Connect directly to the vehicle's chassis.
NOTE : This is to be the first wire to hook up during installation as damage could result.

**(18) FUSE :** Please ensure correct type of fuse is fitted, as specified in this manual.

**(19) Loudspeaker connections :** (If the amplifier is to be connected in a bridged mode, proceed with the section "Bridged loudspeaker connections".) As with any audio component, connection of the amplifier and speakers with the correct polarity is essential for goods bass reproduction. Ensure there fore when connection that the positive (+) loudspeaker terminal.
The same applies to the negative (-) terminals. The left-hand amplifier channel must also be connected to the left-hand loudspeaker and the right-hand the right-hand amplifier channel to the right-hand loudspeaker.

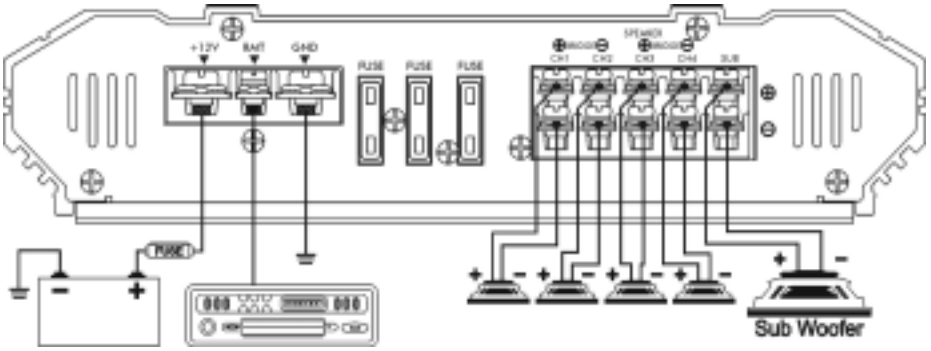
**Bridged loudspeaker connections :** The AMP can also be bridge in a mono configuration. This enables you to use the amplifier for one or more subwoofer(s) or amid-range speaker. In this configuration the amplifier sums the right-hand and oeft-hand channel delivering a single channel (mono) output.
**Note :** The amplifier can sum the right-and oeft-hand signal information only both the right-and left-hand RCA connections have been made.

**CAUTION : The amplifier must be presented with a load of 4 Ohms or higher in bridged mode. A lower load will cause the amplifier to overheat or switch off. This can lead to permanent damage of the unit**

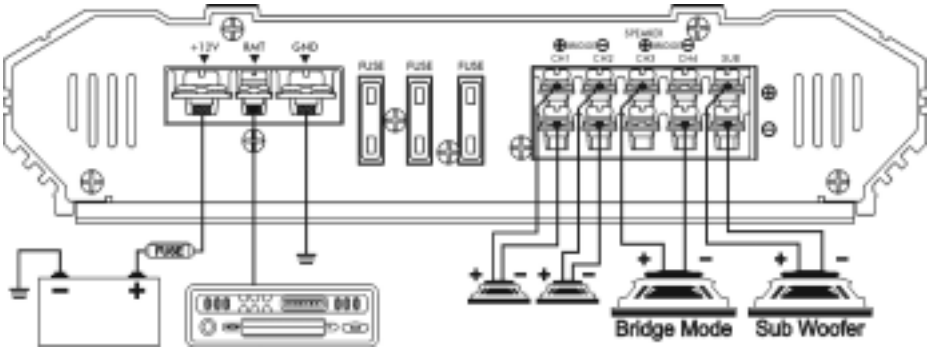
## *TA-605*
## *System Example*

***5 Channel***
***RMS 60Wx4CH+165Wx1CH***

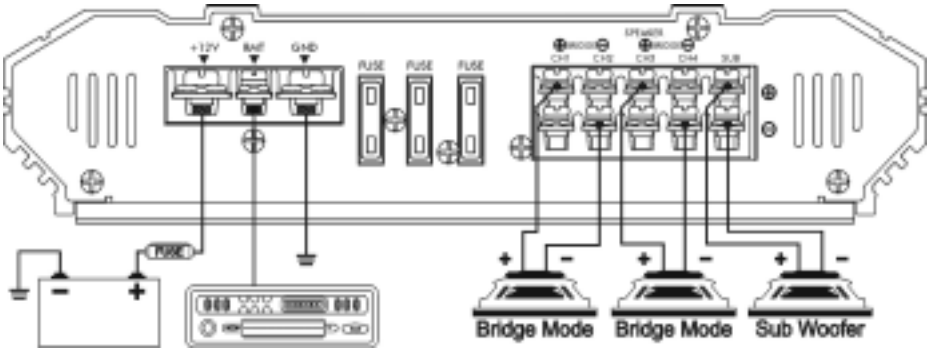
### *5 Channel Installation*




### *4 Channel Installation*




### *3 Channel Installation*



## *TA-series*
## *Specifications*

| | TA-605 |
|---|---|
| **Front and Rear Channels :** | |
| Into 4 ohms @ 14.4 VDC | 65W x 4 |
| Into 2 ohms @ 14.4 VDC | 100W x 4 |
| Bridged into 4 ohms @ 14.4 VDC | 200W x 2 |
| **Sub Channel :** | |
| Into 4 ohms @ 14.4 VDC | 165W x 1 |
| Into 2 ohms @ 14.4 VDC | 265W x 1 |
| Total Harmonic Distortion | <0.02 % |
| Frequency Response | ±1dB 10Hz to 26KHz |
| Singal to Noise Ratio (20Hz to 20KHz) | >100dB |
| Signal Input Sensitivity | 300 mV ~ 8 V |
| DC Input Voltage Range | 10 Vdc to 15.5 Vdc |
| Typical current draw at idle | <1.5 amps |
| Highpass Crossover Slopes | 12dB per Octave |
| Lowpoass Crossover Slope | 12dB per Octave |
| Crossover Range | 40 to 250Hz |
| Minimum Load Stability for all channels | 2 ohms |
| Dimension | 340mm x 238mm x 51mm |

| **dB level** | **example** |
|---|---|
| 30 | Quiet library, soft whispers |
| 40 | Living room, refrigerator, away from traffic |
| 50 | Light traffic, normal conversation, quiet office |
| 60 | Air conditioner at 20 feet, sewing machine |
| 70 | Vacuum cleaner, hair dryer, noisy restaurant |
| 80 | Average city traffic, garbage disposals, alarm clock at 2 feet |

**The following noises can be dangerous under constant exposure**

| | |
|---|---|
| 90 | Subway, motorcycle, truck traffic, lawn mower |
| 100 | Garbage truck, chain saw, pneumatic drill |
| 120 | Rock band concert in front of speakers, thunderclap |
| 140 | Gunshot blast, jet plane |
| 180 | Rocket launching pad |

**Information courtesy of the deafness Research Foundation.**

"Don't throw this product in the household waste"
"Bring it back to your retailer"
"You allow this product to be recycled"
"You protect the environment"