Pride®

Pride®

UNO
DUE
QUATTRO

www.pridecaraudio.com

Before You begin installation

Before you begin , you will need tools, supplies and adapters. It is best to make sure you have everything you need before you start.

Amplifier Location

Allow air circulation around the amplifier.
When selecting a location, remember that amplifiers generate heat. Select a location where air can circulate around the amplifier.
Do not cover the AMPLIFIER with carpets or enclose it behind interior trim panels.
Every installation will be a bit different based upon vehicle design, Check all locations and placements carefully before making any cuts or connections.

Disconnect Battery

Before you begin, always disconnect the battery negative terminal.

⚠ Important :

If wiring connections are made incorrectly the unit will not operate properly and could be damaged.
Follow the installation instructions carefully or have the amplifier installed by an authorized dealer.

Things to remember when installing your amplifiers.

The design philosophy of the amplifiers and mode of regulation requires that proper installation and load impedance instructions be adhered to at all times.
Minimum impedance recommended for UNO is 1ohm.
Minimum impedance for DUE and QUATTRO is 2ohm stereo or 4ohm mono.
Fuses are equipped with for UNO (40A ATC), DUE (30A ATC) and QUATTRO (30A x 2 ATC).
These fuse ratings should be sufficient under normal working conditions. However, if the amplifiers are overloaded (see minimum impedance above) fuses may blow.
Therefore, please try to avoid operating the amplifiers under these conditions.

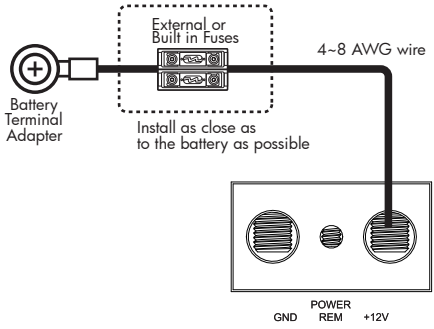
1. Mount the amplifiers where air flow is the best.
2. Mount the amplifiers to a solid surface away from vibration, as these amplifiers are very heavy and the vibration can damage the amplifiers.
3. Take extreme caution when mounting the amplifiers, so as not to damage the chassis with a drill or screwdriver.
4. Run 4AWG or 8AWG wire from the battery, using fuses with 12" of the positive battery terminal.
The fuse is to protect the car and your car audio system from the fire that could be caused by a short circuit.
5. Run 4AWG or 8AWG ground wire as short as possible, to the closest chassis ground point.
Be sure to remove the paint around the chassis ground point to provide a more solid electrical connection.
6. Run a 16 AWG (or larger) wire to the remote turn-on lead of the headunit.
7. Connect the speakers as per wiring diagrams in the manual.
12AWG or larger speaker wire is recommended.

8. Mount remote level control in the car where it can be easily reached from the driver's seat, if desired.
9. Using rca interconnect cables, connect all line inputs per the wiring diagrams which follow.
If possible, keep rca cables away from the 12V power and ground wire.
10. Set the controls as described on following pages.

Power, Remote, Ground Connection

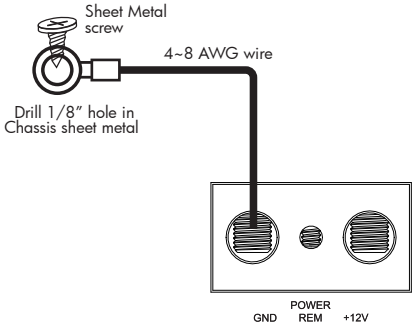
Power Terminal (+ 12V)

Connect directly to the vehicle battery
+ terminal with 4 or 8 AWG wire



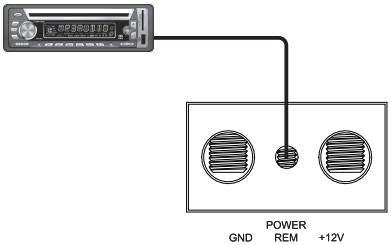
Ground Terminal (GND)

Connect to a good chassis ground. The ground connection should be clean, unpainted metal to provide a good electrical connection



Remote / Turn on Terminal

Connect the source unit's remote turn on lead from the source unit to the amplifier's remote terminal. This turns on the amplifier whenever the source unit is turned on.

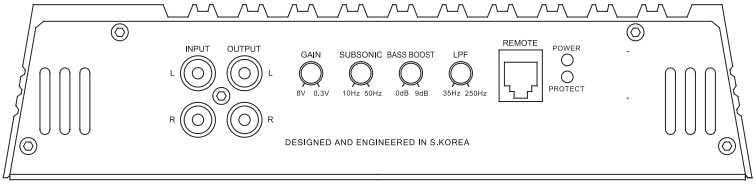


Fuses

UNO, DUE & QUATTRO include ATC built in fues as below fuse rating.

UNO : 40A
DUE : 30A
QUATTRO : 30A x 2

UNO Digital Monoblock Input & Output Connection



RCA INPUTS -
The RCA inputs ensure the highest quality contacts and the lowest noise in your audio system.

RCA OUTPUTS -
The RCA outputs connect another amplifier for multi car amplifiers system.

GAIN -
This adjusts the normal operating level of the amplifier by matching the level from the headunit.

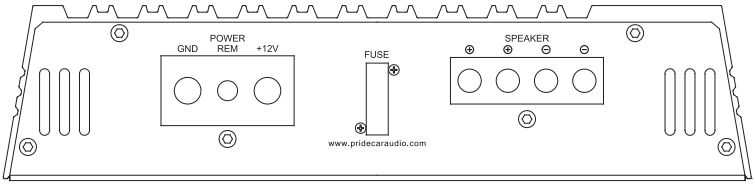
SUBSONIC FILTER -
This allows you to tune the response of the amplifier at very low frequencies.

BASS BOOST -
This allows you to tune amplifier response with up to 9dB of boost centered at 45Hz

LOW PASS CROSSOVER FREQUENCY CONTROL -
This allows you to tune the response of the amplifier at higher bass frequencies to roll off for a seamless integration into your midbass.

REMOTE CONTROL -
Use this to control level of the amplifier from your driver's seat.
Remote control includes clipping indicator.

POWER & PROTECT INDICATORS -
When the unit is powered on and operating correctly the power LED illuminates.
When the unit is malfunction or faulty, the protect LED is on.



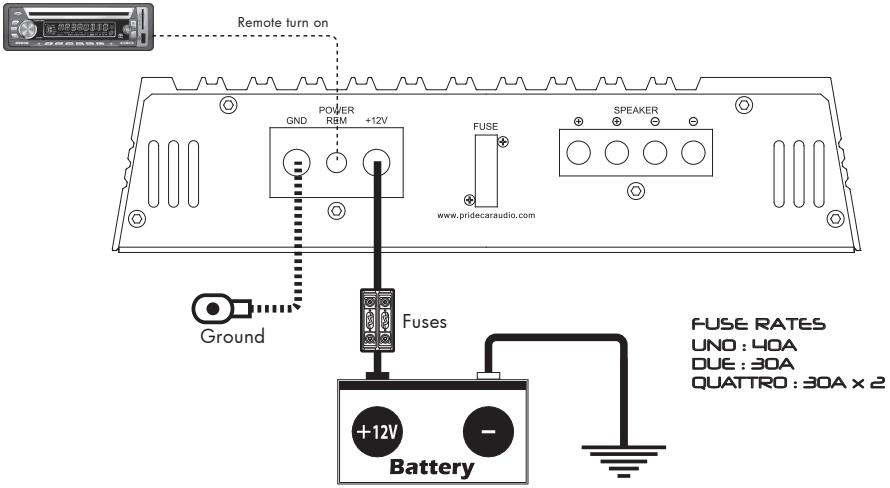
GROUND (GND) & POWER (+12V) -
The power and ground will accommodate 0 or 4 AWG wire. Use high quality pure copper wire only.

REMOTE (REM) -
REM connector will accept wire sizes from12 to 18 AWG. This terminal is used to remotely turn-on and turn-off the amplifier when +12V DC is applied.

FUSE -
ATC fuse is built-in. If needed, use external fuses.

SPEAKER TERMINAL BLOCK -
Connect speaker cables from speaker terminal block to subwoofers.
Subwoofers impedance should be checked carefully.

UNO Digital Monoblock Power Connection

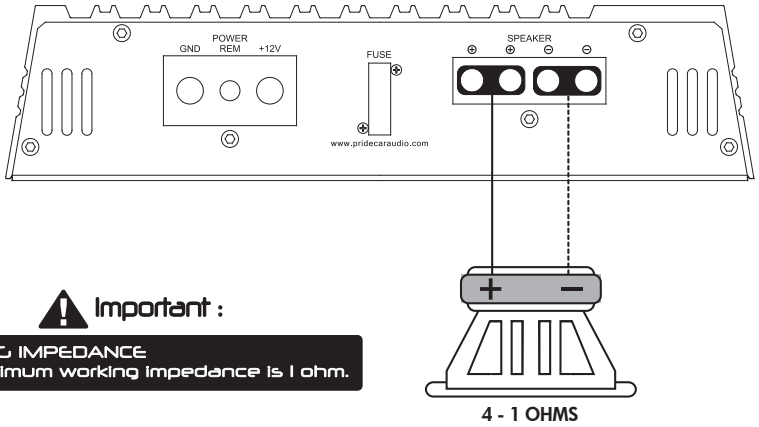


FUSE RATES
UNO : 40A
DUE : 30A
QUATTRO : 30A x 2

Important :

WORKING VOLTAGE
UNO, DUE & QUATTRO is 8.5V to 16 Volts

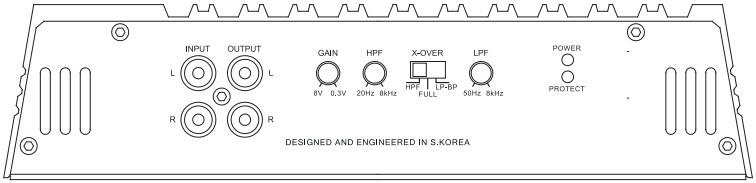
UNO Digital Monoblock Speaker Connection



Important :

WORKING IMPEDANCE
UNO minimum working impedance is 1 ohm.

DUE 2 Channel Input & Output Connection



RCA INPUTS -
The RCA inputs ensure the highest quality contacts and the lowest noise in your audio system.

RCA OUTPUTS -
The RCA outputs connect another amplifier for multi car amplifiers system.

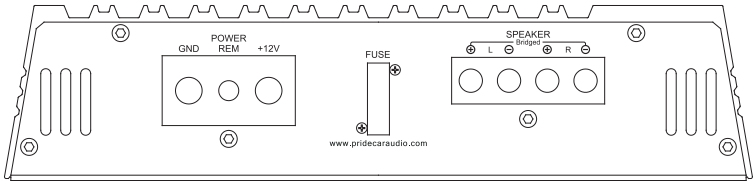
GAIN -
This adjusts the normal operating level of the amplifier by matching the level from the headunit.

HPF -
Controls the high pass cutoff point for the speaker outputs. HPF can be selected with X-over switch located next to it.

X-OVER -
At HPF, high pass filter is activated
At FULL, it is bypass.
At LP-BP, Low pass and band pass filter are activated.
Pls set HPF frequency at minimum for band pass filter activated.

LPF -
Controls the low pass cutoff point for the speaker outputs. LPF can be selected with X-over switch located next to it.

POWER & PROTECT INDICATORS -
When the unit is powered on and operating correctly the power LED illuminates.
When the unit is malfunction or faulty, the protect LED is on.



GROUND (GND) & POWER (+12V) -
The power and ground will accommodate 0 or 4 AWG wire. Use high quality pure copper wire only.

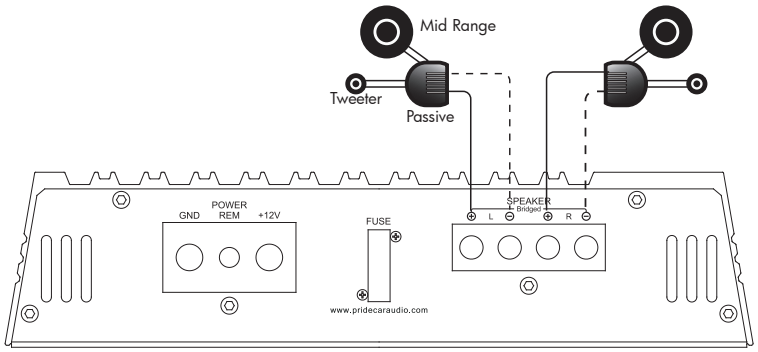
REMOTE (REM) -
REM connector will accept wire sizes from12 to 18 AWG. This terminal is used to remotely turn-on and turn-off the amplifier when +12V DC is applied.

FUSE -
ATC fuse is built-in. If needed, use external fuses.

SPEAKER TERMINAL BLOCK -
Connect speaker cables from speaker terminal block to subwoofers.
Subwoofers impedance should be checked carefully.

DUE 2 Channel Speaker Output Connection

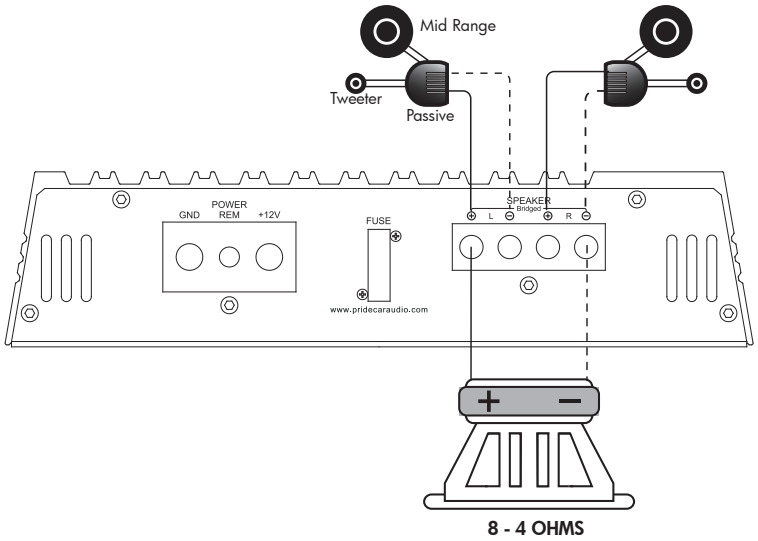
DUE 2CHANNEL WIRING MODE



Important :

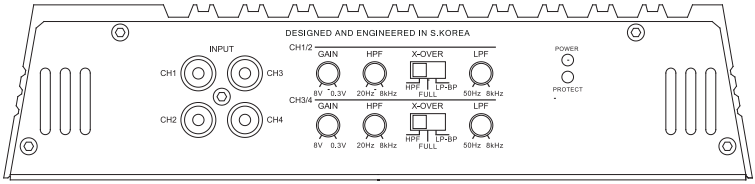
WORKING IMPEDANCE
DUE minimum working impedance is
2 ohm stereo or 4 ohm mono.

DUE 3CHANNEL WIRING MODE



8 - 4 OHMS

DUE 2 Channel Input & Output Connection



RCA INPUTS -
The RCA inputs ensure the highest quality contacts and the lowest noise in your audio system.

RCA OUTPUTS -
The RCA outputs connect another amplifier for multi car amplifiers system.

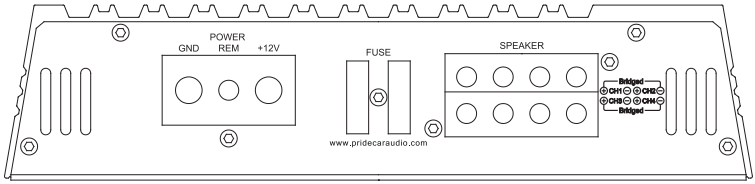
GAIN -
This adjusts the normal operating level of the amplifier by matching the level from the headunit.

HPF -
Controls the high pass cutoff point for the speaker outputs. HPF can be selected with X-over switch located next to it.

X-OVER -
At HPF, high pass filter is activated
At FULL, it is bypass.
At LP-BP, Low pass and band pass filter are activated.
Pls set HPF frequency at minimum for band pass filter activated.

LPF -
Controls the low pass cutoff point for the speaker outputs. LPF can be selected with X-over switch located next to it.

POWER & PROTECT INDICATORS -
When the unit is powered on and operating correctly the power LED illuminates.
When the unit is malfunction or faulty, the protect LED is on.



GROUND (GND) & POWER (+12V) -
The power and ground will accommodate 0 or 4 AWG wire. Use high quality pure copper wire only.

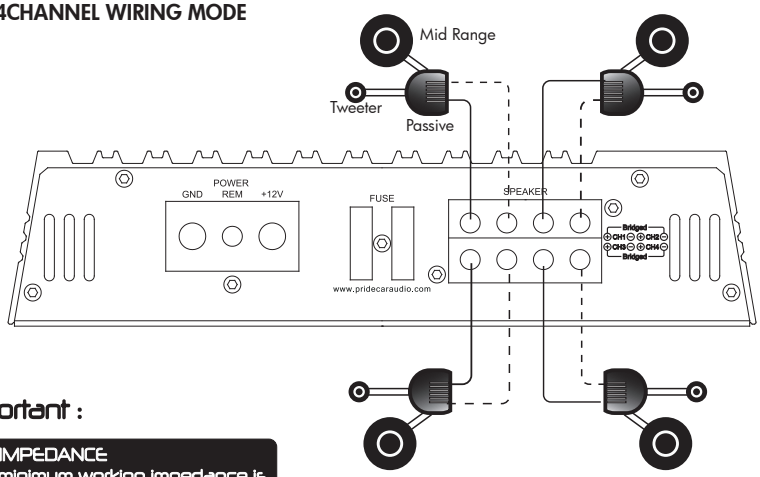
REMOTE (REM) -
REM connector will accept wire sizes from12 to 18 AWG. This terminal is used to remotely turn-on and turn-off the amplifier when +12V DC is applied.

FUSE -
ATC fuse is built-in. If needed, use external fuses.

SPEAKER TERMINAL BLOCK -
Connect speaker cables from speaker terminal block to subwoofers.
Subwoofers impedance should be checked carefully.

QUATTRO 4 Channel Speaker Output Connection

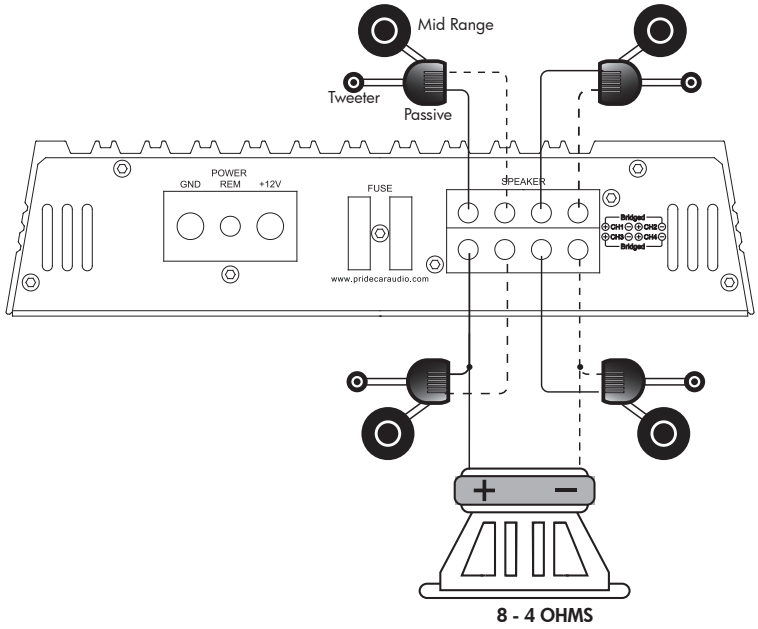
QUATTRO 4CHANNEL WIRING MODE



Important :

WORKING IMPEDANCE
QUATTRO minimum working impedance is 2 ohm stereo or 4 ohm mono.

QUATTRO 5CHANNEL WIRING MODE



8 - 4 OHMS

TROUBLE SHOOTING

NO POWER LED ON, NO OUTPUT

- Check +12V and GND connection
- Check remote signal +12V
- Check the external fuses or built-in.

POWER LED ON, NO OUTPUT

- Check source unit for output
- Check input gain control
- Check RCA cable
- Check speaker and wiring for shorts
- Check for damaged speakers

NO SOUND ON ONE CHANNEL

- Swap left/right input to check source
  ... If sound swaps too, source or signal cable is bad
- Swap left/right speaker to check speakers
  ... If sound does not swap, speaker or speaker wiring is bad
  ... In any case, consult authorized dealer

AMPLIFIER GOES IN PROTECTION MODE AT HIGHER GAIN

- Check speaker impedance, UNO is 1ohm.
  DUE and QUATTRO are 2ohm stereo or 4ohm mono.
- Check working voltages (8.5V - 16Volts)
- Check speaker wiring for short circuit

ENGINE OR ALTERNATOR WHINE NOISE

- Check wiring. make sure RCA cables are not run parallel on same side of vehicle as power cable.
- Check any preamps or black boxes in the signal path between source unit and amplifier
- Make sure ground pin (shield or outer barrel of rca cables) have not lost connection and that source unit has good reference ground.

FEATURES

	UNO	*DUE*	*QUATTRO*
4ohm Power	160W x 1	70W x 2	70W x 4
2ohm Power	280W x 1	100W x 2	100W x 4
1ohm Power	400W x 1	na	na
4ohm mono	na	200W x 1	200W x 2
Frequency Response	15Hz - 270Hz	15Hz - 30KHz	15Hz - 30KHz
Signal to Noise	85dB	100dB	100dB
Efficiency @ 4ohm	Over 90%	Over 65%	over 65%
Damping Factor	150 <	150 <	150 <
Input Sensitivity	8V - 0.3V	8V - 0.3V	8V - 0.3V
Subsonic Filter	10Hz - 50Hz	na	na
High Pass Filter	na	20Hz - 8kHz	20Hz - 8kHz
Low Pass Filter	35Hz - 250Hz	50Hz - 8kHz	50Hz - 8kHz
Bass Boost	0dB - 9dB	na	na
Remote Control	Included	na	na
Fuse Rating (ATC)	40A	30A	30A x 2
Dimensions (L mm)	160	200	290
W x H mm	220 x 53	220 x 53	220 x 53

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