

Owners Manual

ME6005D
5-CHANNEL AMPLIFIER

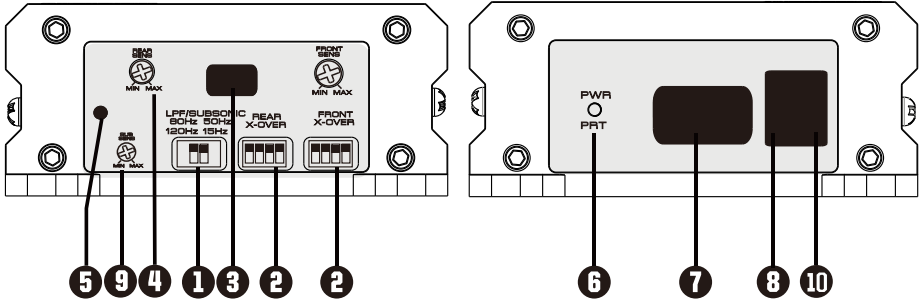
FEATURES

- Sealed chassis for water protection in Xtreme environments
- Ultra-efficient full range class D operation
- High and low level inputs - connects with any system
- Built in crossover for maximum flexibility
- 2 or 4 or 5 channel input for easy installation
- Durable stainless steel & aluminum hardware

SPECIFICATIONS

- RMS power @ 4ohms: 50W x 4 + 150 x 1
- RMS power @ 2ohms: 75w x 4 + 300 x 1
- Bridged power at 4ohms: 150 x 2 + N/A
- Total Harmonic Distortion: < 0.6% @ 4Ω
- Signal To Noise Ratio: 97dB
- High Pass Filter: 120Hz/80Hz/OFF
- Low Pass Filter: 80Hz/120Hz
- Subsonic Filter 50Hz/15Hz
- Input Range: 200mV - 10V
- Frequency response: 20Hz to 20KHz
- Dimensions: 11.4"x4"x1.75"

FUNCTIONS



1 LPF/SUBSONIC X-OVER

2 fixed crossover frequency settings



2 FRONT/REAR CROSSOVER

Adjust the crossover frequency to one of 3 settings using the convenient 4-way switch

High Pass Filter



3 LOW (RCA) HIGH LEVEL INPUT

Waterproof MOLEX connector allows 4 channel RCA or speaker level harness to be attached

4 FRONT/REAR / SENSITIVITY

Independent level control for front and rear channels

5 WATERPROOF RUBBER COVER

Rubber cover can be attached by inserting the rubber stem into mounting hole

6 POWER/PROTECTION INDICATOR

The dual color LED light will indicate when the amp is on and if it has gone into protection mode



7 POWER INPUT CABLE

YELLOW: +12V BLACK: Ground BLUE: Remote In

8 SPEAKER OUTPUT CABLE

WHITE: Front Output Left (+)	GREEN: Rear Output Left (+)
WHITE/BLACK: Front Output Left (-)	GREEN/BLACK: Rear Output Left (-)
GRAY: Front Output Right (+)	VIOLET: Rear Output Right (+)
GRAY/BLACK: Front Output Right (-)	VIOLET/BLACK: Rear Output Right (-)

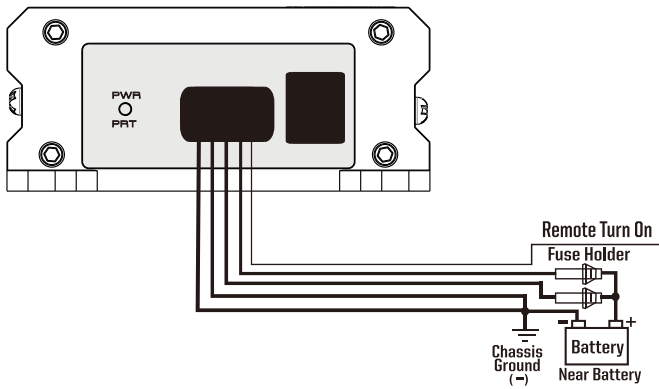
9 SENSITIVITY CONTROL

Input sensitivity level control

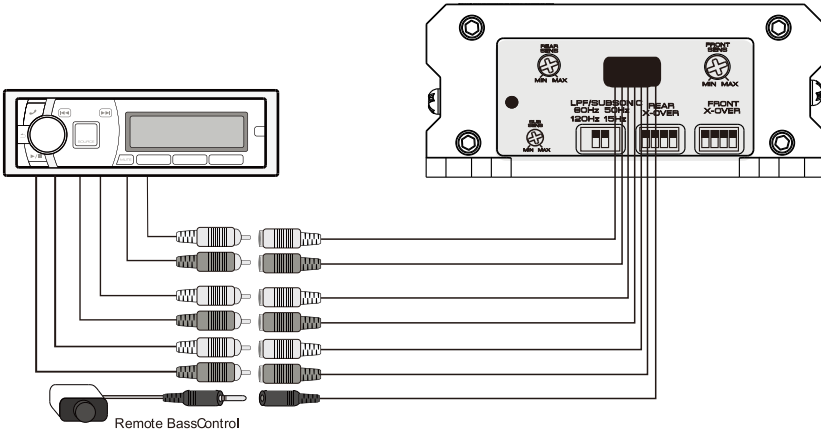
10 SUBWOOFER OUTPUT CABLE

BLUE: Speaker output + BLUE/BLACK: Speaker output -

POWER INPUT WIRING

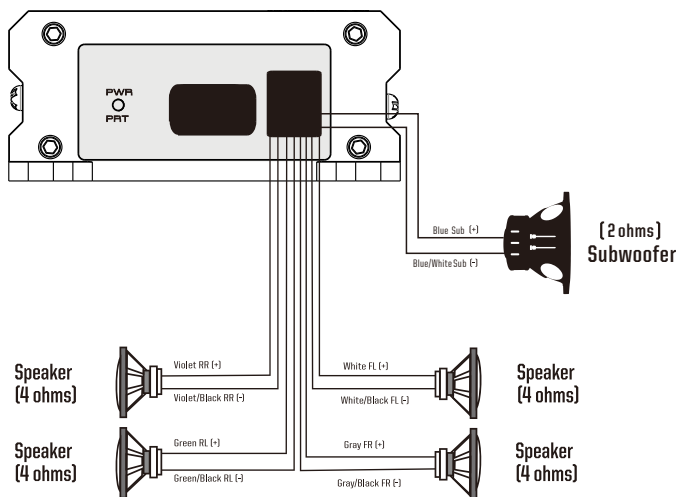


LOW LEVEL INPUT WIRING

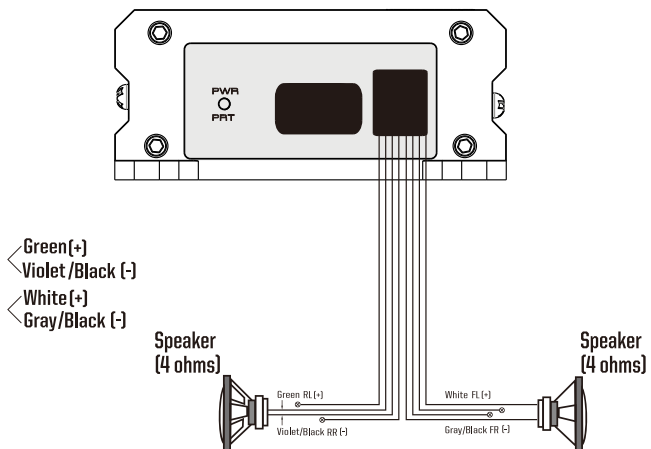


SPEAKER OUTPUT WIRING

5 Channel Output



Bridged 2 Channel Output



TROUBLESHOOTING

When troubleshooting your amp, speaker and speaker wires should be tested first.

No Output:

- Confirm all wiring is firmly connected.
Both +12V and REM terminals must have +12 Volts present and GND must be connected to chassis' ground or to the negative battery terminal.
- Confirm the signal source is connected and supplying an output signal. To confirm the amp is working, connect an RCA patch cord to the line inputs of the amplifier (do not connect the other end of the patch cord). Briefly tap the center pin of each disconnected RCA with your finger. This should produce a noise (brief static or hum) in the speakers.
- If the amp is hot, check the speaker impedance or load. The total minimum impedance of all speakers should not be lower than the rating of the amp.

Weak Output;

- Check gain control adjustment
- Check speaker impedance

Unwanted Noise

- Whine that increases and decreases with engine speed - confirm the Amp & Source unit are grounded properly.
- Clicking or popping noise at a rate that follows engine speed - this is often induced by the vehicles ignition system. Confirm that the vehicle is equipped with resistor spark plugs and wires. The ignition system may need service.
- Noise can be caused by routing speaker input wires too close to the light wires and other accessory wires in the vehicle. Re-route wires to avoid unwanted interference.
- If above steps do not improve/reduce noise, the system should be checked by a professional audio installer at a Memphis Authorized Dealer.