

JP234

OWNER'S MANUAL

READ ME FIRST | OR NOT | BUT STILL, READ ME FIRST

FEATURES

- FULL RANGE DIGITAL MULTI-CHANNEL AMPLIFIER
- STABLE INTO 2OHM STEREO OR 4OHM BRIDGED
- HIGH SPEED MOSFET POWER SUPPLY
- VARIABLE HIGH PASS FILTER
- VARIABLE LOW PASS FILTER
- CROSSOVER MULTIPLY X10
- BAND PASS FILTER CAPABLE
- 4 WAY PROTECTION CIRCUITS
(THERMAL, HIGH & LOW VOLTAGE, SPEAKER SHORT AND DC)
- HIGH PURITY COPPER PRINTED CIRCUIT BOARD
4 GAUGE POWER / GROUND TERMINALS.

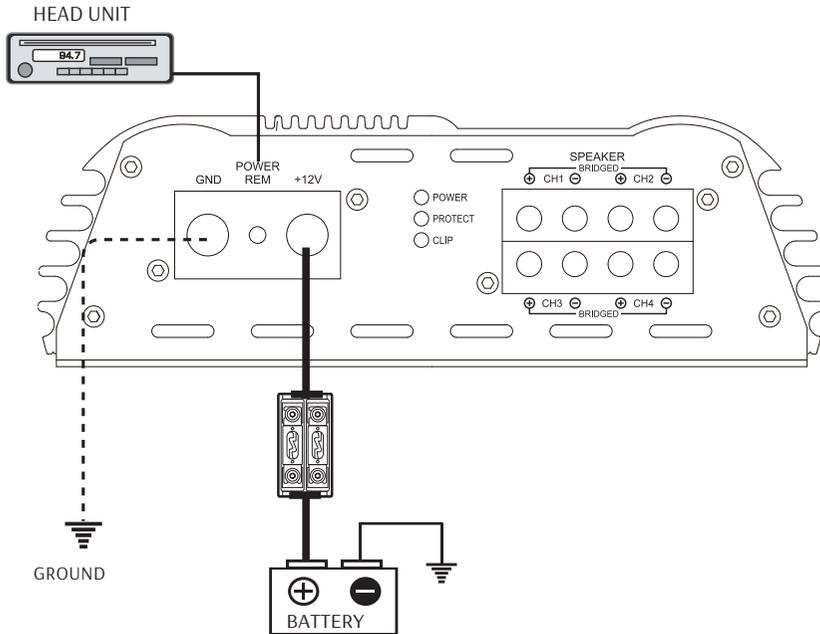
∴ Designed in Dunnellon, FL & Las Vegas NV | USA ∴
By: JP, Jacob Scott. Special Thanks to Craig Smith & TEAM D4S.
We added everything we could to this amplifier, we hope you enjoy the JP234.

SPECIFICATIONS

Rated Power Output	JP-234
RMS power, 2ohm	334W x 4 @ 14.4v
RMS power, 4ohms	234w x 4 @ 14.4v
RMS power, 4ohms Bridged	740W x 2
Frequency Response	10Hz - 22 KHz
High Pass Filter	20Hz - 800Hz
High Pass Filter Multiply	x1, x10 (200Hz - 8KHz)
Low Pass Filter	50Hz - 800Hz
Low Pass Filter Multiply	x1, x10 (500Hz - 8KHz)
Input sensitivity	6V - 0.2V
signal to Noise Ratio	95dB <
T.H.D @ 4ohm	less than 0.1%
Fuse rating	120A
Length (inches)	11.81
Width x height (inches)	7.32 x 2.19

Don't forget: pair this amp with a JP23 for best sound and results :-))

POWER CONNECTIONS



Caution

THE JP-234 **is not** supplied with internal fuses. **Make sure** you install an in-line fuse holder from the POSITIVE terminal of battery.

+12V POWER

Connect the +12V terminal of the amplifier to the positive terminal of the battery using the same diameter as the ground cable, making sure you install in-line fuse holder, approximately 11 inches to 16 inches (300 mm to 400 mm) from the positive terminal of battery, making sure that there is no fuse in the holder

GROUND (GND)

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).

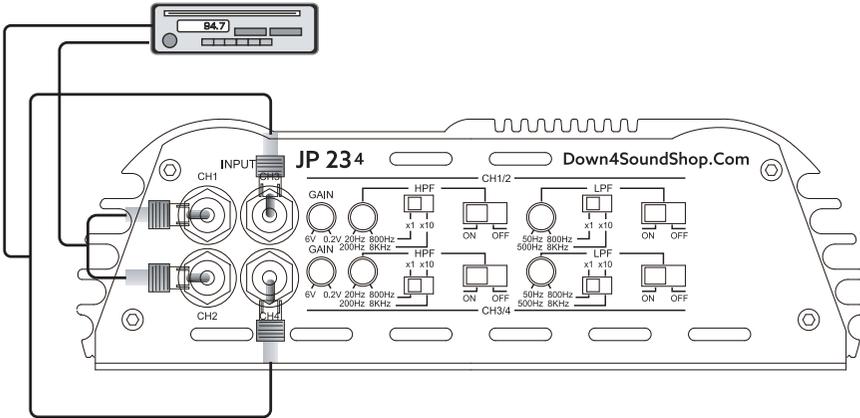
Making sure that the connection with the chassis is rust free and clear of paint or grime.

With high power amplifiers, It is best to connect ground to negative (–) battery terminal.

REMOTE (REM)

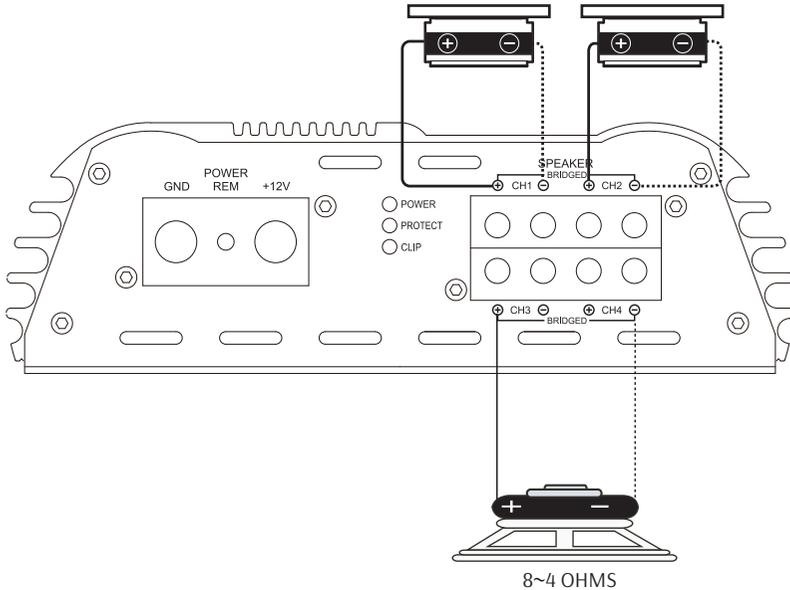
Connect the REM terminal of the amplifier to the power antenna terminal or the dedicated remote turn on using 12 or 16 ga. electrical wire.

INPUT CONNECTIONS



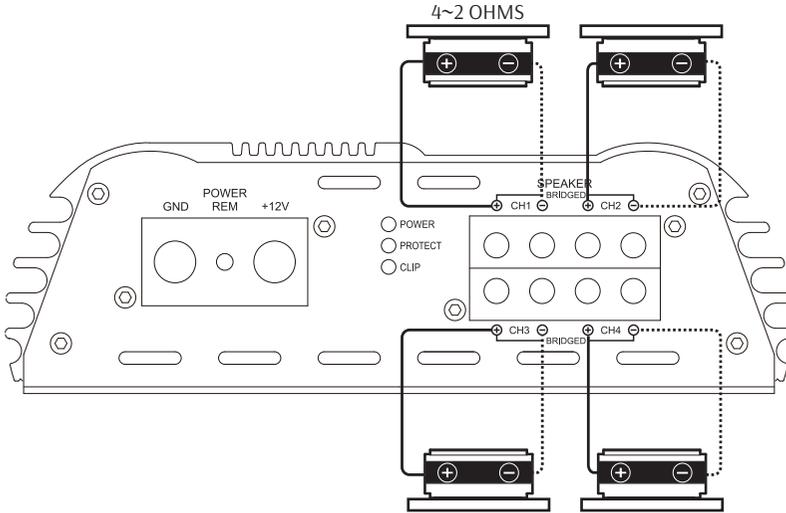
SPEAKER CONNECT

SPEAKER CONNECTION 1.

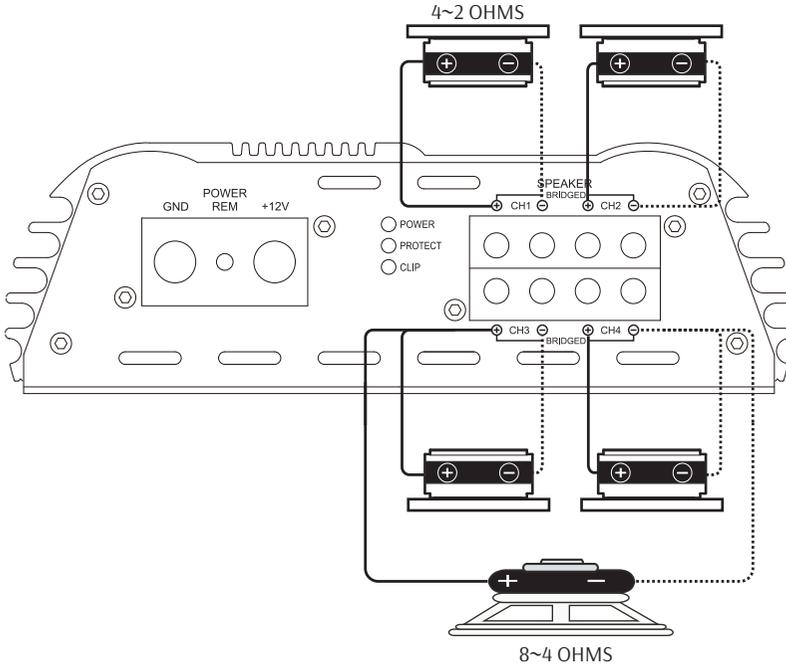


INPUT CONNECTIONS

SPEAKER CONNECTION 2.



SPEAKER CONNECTION 3.



TROUBLE SHOOTING

The JP234 amplifier has STATE OF THE ART protection features to prevent any damage from misuse or faulty conditions. IF the amplifier senses excessive heat, short circuited speakers DC, or voltage, the protection indicator will light, and the system will be turned off. In order to check the problem, you should turn all level down and all power off and carefully check the installation for wiring mistakes or short, check the subwoofer too sometimes spiders rip and they short the coil..

If amplifier shuts down due to excessive heat, it will work once it cools down. Check Bass Remote the Temp Meter on hot days, and after extensive use. Before removing your amplifier, refer the list below and follow the suggested procedures.

NO OUTPUT

1. Check remote turn-on voltage at amplifier and headunit, when remote turn-on voltage is low or no turn-on voltage, amplifiers will remain off.
2. Check fuses at the battery side or external fuses and all wire connections.
3. Check RCA Input is properly connected.

AMPLIFIER SHUT DOWN (PROTECTION)

1. Please check POWER, GND and REMOTE wire connection and other wires for proper connection.
2. When input voltage greater then 4V DC is present at the amplifiers RCA input, the amp will go into DC protect. In this case, remove the RCA input cable.

Check whether the amplifier comes out of the protection. if it does, you will need to replace the headunit or signal processing source.

3. If amplifier overheats, the thermal protection will turn off the amp. Amplifier will be back to work after cooling down a little bit. Please install amplifier with better ventilation to allow it to cool.
4. JP-234 has minimum working impedance of 2ohm stereo or 4ohm bridged.
5. JP-234 working voltage is 8.5V - 16Volts.
6. Make sure Chassis and Remote use same GROUND.

DISTORTION & NOISE

1. Please readjust amplifier input gain level which is printed on endplate.
2. Make sure there is a good ground connection for amplifier and headunit.
3. Use sufficiently shielded RCA interconnects and good RCA routing. Avoid running RCA signal wires near power cables.
4. Check all ground connections of all other audio equipment.

POOR RESPONSE

1. Check speaker wiring and reverse polarity.

Wass up!

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