



Dragster High Performance Amplifier Owner's Manual

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HIGH-PERFORMANCE AMPLIFIER



DAK 300.2
DAK 200.4D
DAK 1500.5

OWNER'S MANUAL

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INTRODUCTION

Congratulations and thank you for purchasing DAK Audio amplifiers, the logical choice in mobile audio amplification. Your amplifiers have been designed and engineered with the highest quality components and top-of-the-line workmanship to help you reach the superior sound you are after. To achieve optimal performance of your system, please take a few moments to read over this Owner's manual or visit an authorized dealer if needed before starting your installation.

FEATURES

2 / 4 CHANNEL AMPLIFIER

- STABLE INTO 2 OHM STEREO OR 4 OHM MONO
- HIGH-SPEED MOSFET POWER SUPPLY
- 12dB/OCT, HIGH PASS FILTER
- 12dB/OCT, LOW PASS FILTER
- 6dB / 12dB SELECTABLE BASS BOOST / DAK300.2
- BAND-PASS CAPABLE
- SURFACE-MOUNT TECHNOLOGY
- DOUBLE-SIDED PRINTED CIRCUIT BOARD

5 CHANNEL AMPLIFIER

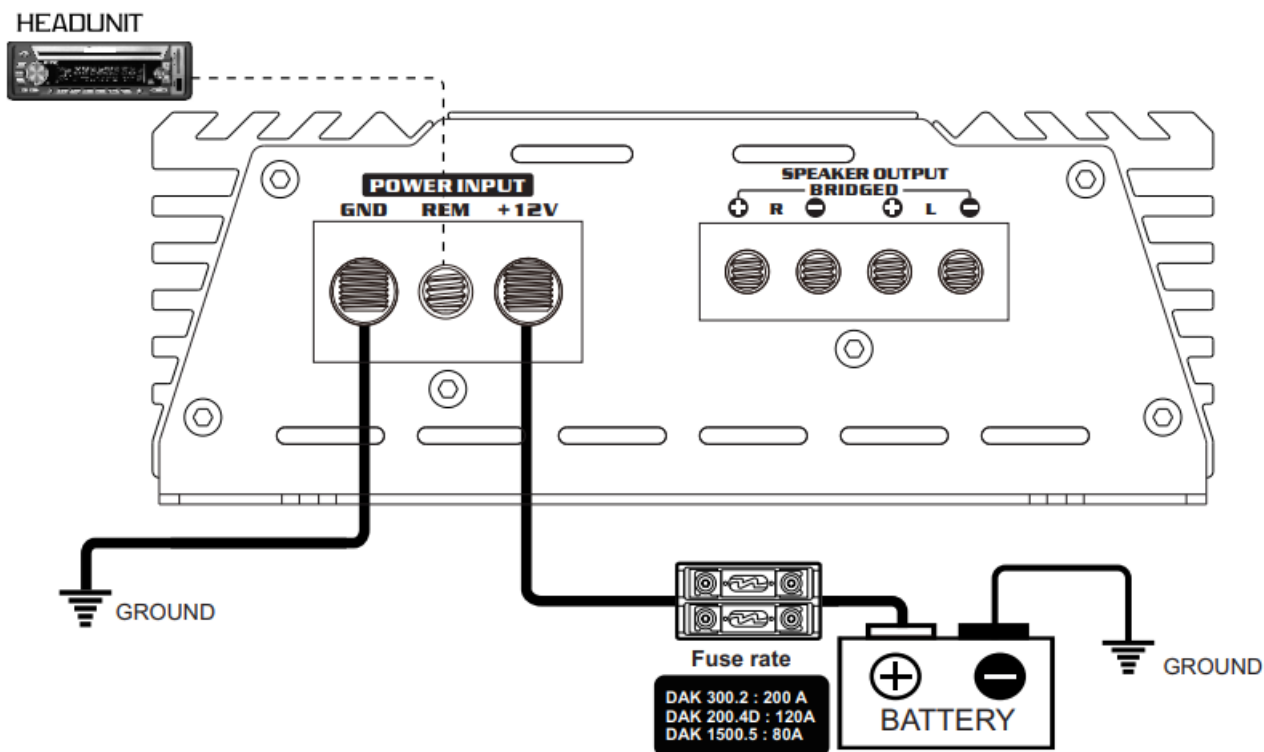
- CH1 ~ CH4 STABLE INTO 2 OHM STEREO
- CH5 STABLE INTO 1 OHM
- 12dB/OCT, HIGH PASS FILTER FOR CH1 ~ CH4
- 24dB/OCT, LOW PASS FILTER FOR CH5
- 24dB/OCT, SUBSONIC FILTER FOR CH5
- VARIABLE BASS BOOST
- SURFACE-MOUNT TECHNOLOGY
- DOUBLE-SIDED PRINTED CIRCUIT BOARD

SPECIFICATIONS

Model	DAK 300.2	DAK 200.4D	DAK 1500.5
RMS power @ 4 ohm	300W x 2	220W x 4	70W x 4 + 200W x 1
RMS power @ 2 ohm	500W x 2	350W x 4	100W x 4 + 350W x 1
RMS power @ 1 ohm	800W x 2	–	500W x 1
RMS power @ 4 ohm mono	1000W x 1	750W x 2	200W x 2
RMS power @ 2 ohm mono	2000W x 1	–	–
Working impedance	2 ohm	2 ohm	2 ohm for CH1/4 1 ohm for CH5
Input Sensitivity	0.2 V-6 V	0.2 V-6 V	6 V – 0.2 V
High Pass Filter	20 Hz – 5KHz	15 Hz – 6KHz	20 Hz – 5KHz for CH1/2 & CH3 /4
Low Pass Filter	50 Hz – 500 Hz	50 Hz – 4KHz	50 Hz – 250 Hz for CH5
Subsonic Filter	–	–	10 Hz – 50Hz for CH5
Bass Boost	0dB 6dB 12dB	–	0 – 12 dB for CH5
Frequency Response	20 Hz – 20	20 Hz – 20 Khz	20 Hz – 20 khz for CH1/4 20Hz – 250Hz for CH5
Signal to Noise Ratio	85 dB	>85 dB	105 dB < for CH1/4, 85 dB < for CH5
THD @ 4ohm	0.05% >	0.2% >	0.1% >
Damping Factor	–	–	> 150
Working voltage	9 V – 15 V	9 V – 15 V	9 V – 15 V
Fuse Rating	200 A	120 A	80 A
Dimensions (L inches)	17.72	11.73	16.93
6.22 W x 2.15 H inches			

All Features are subject to change in the continuing effort to improve the products without notice.

POWER CONNECTION



BATT (12V POWER)

Before mounting amplifiers, disconnect the negative cable from the battery to protect any accidental damage to your amplifiers and audio system. Connect the power cables to power terminal 12V.

All DAK-series amplifiers are not equipped with fuses so that external fuses should be used.

Connect one end of the fuse holder to the power cable going into the amplifiers and the other end of the fuse holder to the positive battery. This fuse location will protect the system and the vehicle against the possibility of a short circuit in the power cable. Be sure to use fuses and fuse holders adequate for the application.

GND (GROUND)

Locate a secure grounding connection as close to the amplifier as possible. Make sure the location is clean and provides a direct electrical connection to the frame of the vehicle. The ground needs to have as low of a resistance as possible. Connect one end of a short piece of the same size cable as the power cable to the grounding point or to one of your batteries or battery bank. Run the other end of 4 ga cable to the mounting location of the amplifiers for connection to the amplifiers ground terminals and connect the ground cable to the GND (ground terminal).

REM (REMOTE)

Run a remote turn-on cable from the switched 12V source. This may be a toggle switch, a relay, your source unit's remote trigger cables, or a power antenna trigger cable. Connect the remote turn-on cable to the REM (remote) terminal.

TROUBLESHOOTING

- DAK-series amplifiers have protection features to prevent any damages from misuse or faulty conditions.
- If DAK-series amplifiers sense 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 levels down and all power off and carefully check the installation for wiring mistakes or short.
- If DAK-series amplifiers shut down due to excessive heat, They will be working later when it is cooled down
- Before removing your amplifier, refer to the list below and follow the suggested procedures.

NO SOUND (NO OUTPUT)

- Please check all connections, cables' routing, short & voltage.
- Please check the fuses, If they are blown, please replace them with a new one..
- Please check whether speakers work well, you can test speakers by connecting to another amplifier

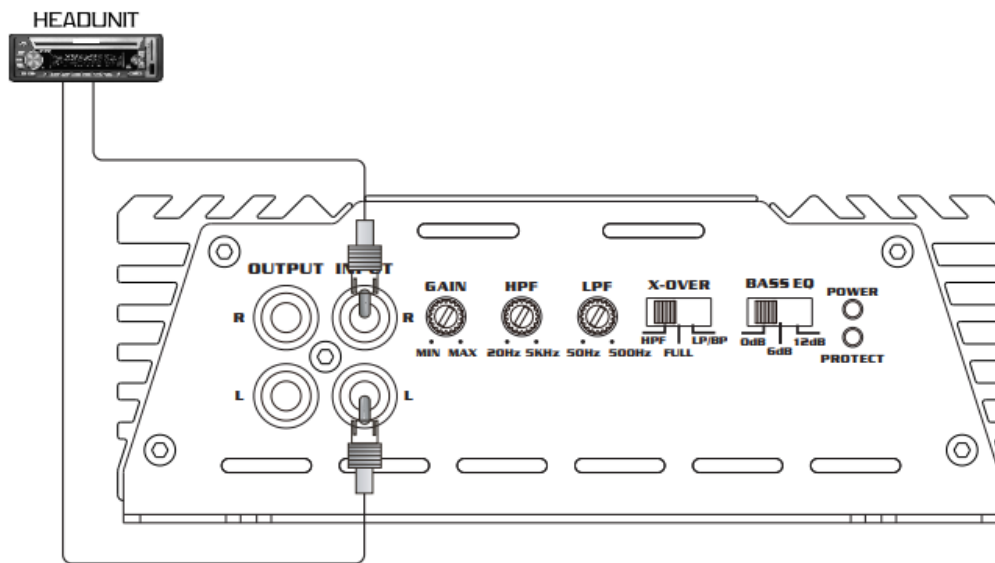
DISTORTION & NOISE

- Readjust input level and check the speaker quality at another amplifier. Replace poor-quality speakers with good-quality ones.
- Check amplifiers and the head unit's ground contact. all grounds should be common.
- Check Rca Jack, then replace with a new one or reroute Rca Jack.
- Engine noise is caused by poor grounding of amplifiers, head unit, other components, battery or alternator, so please check all grounding connections.

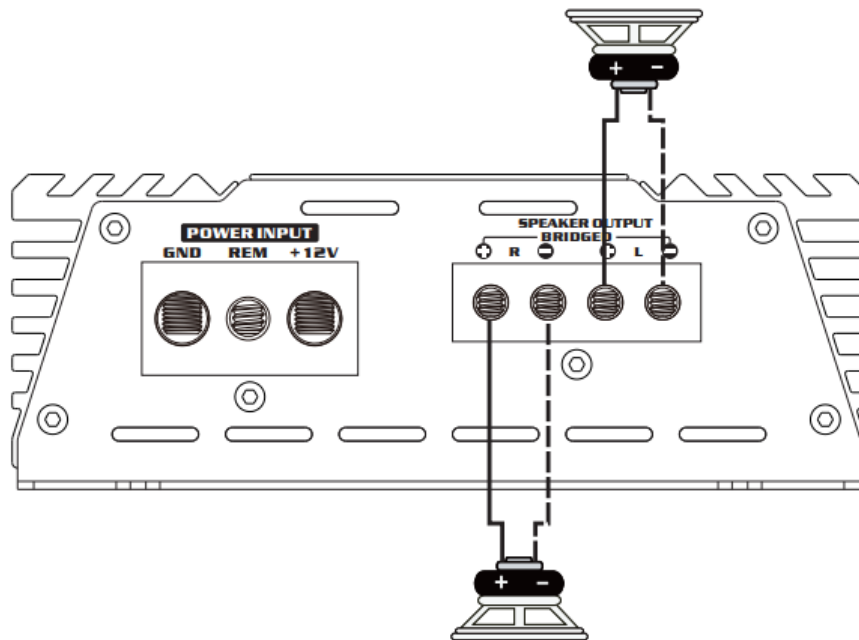
POOR BASS RESPONSE

- Please check speaker cables and reverse polarity.

DAK 300.2 RCA INPUT CONNECTION

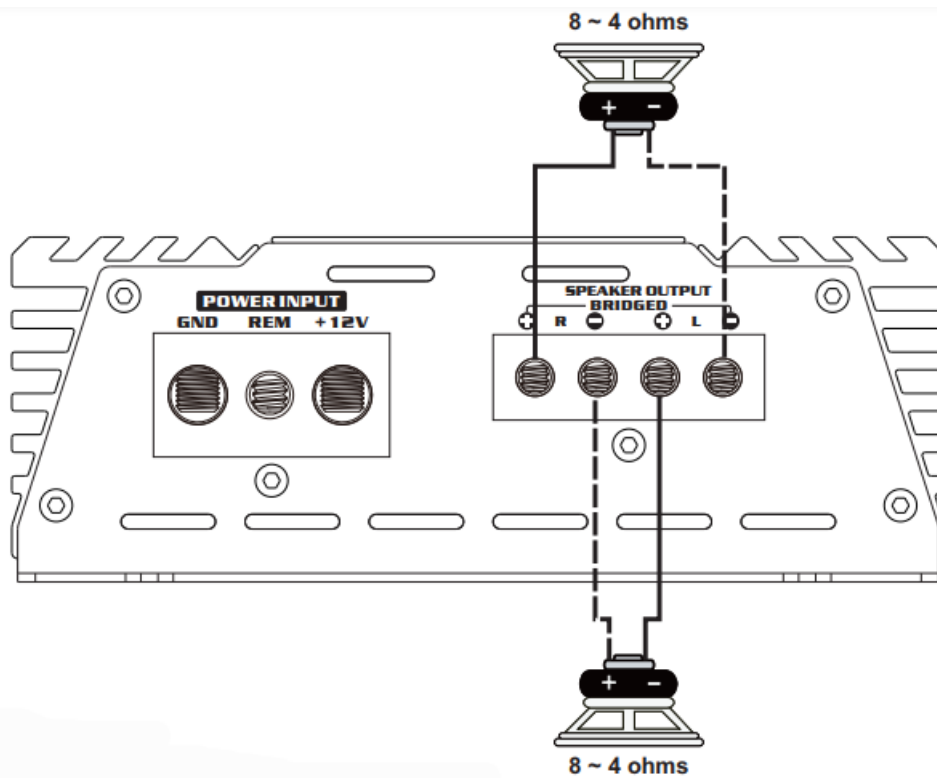


DAK 300.2 SPEAKER CONNECTION

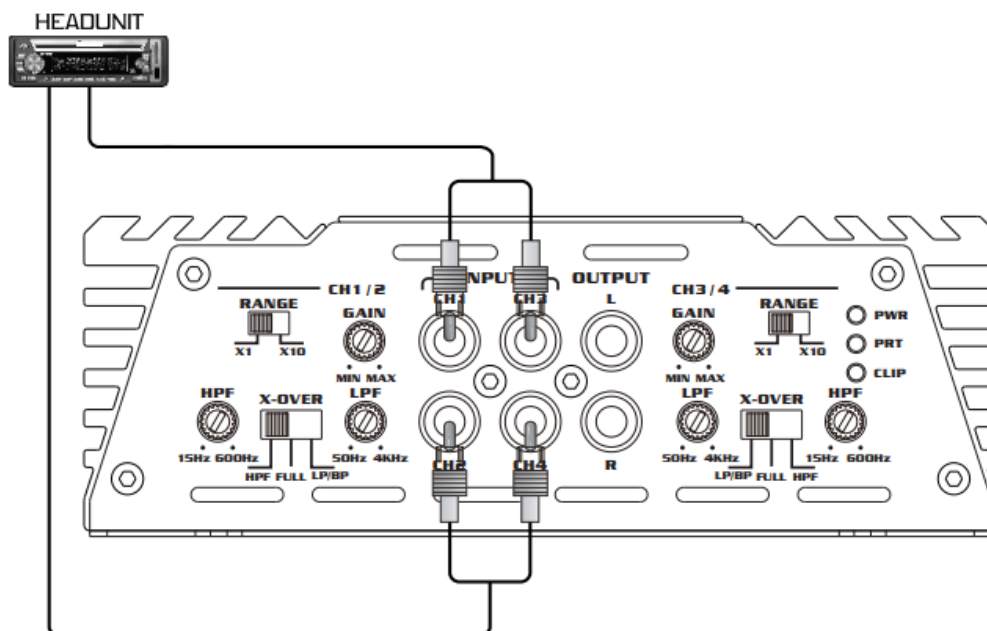


Caution !!

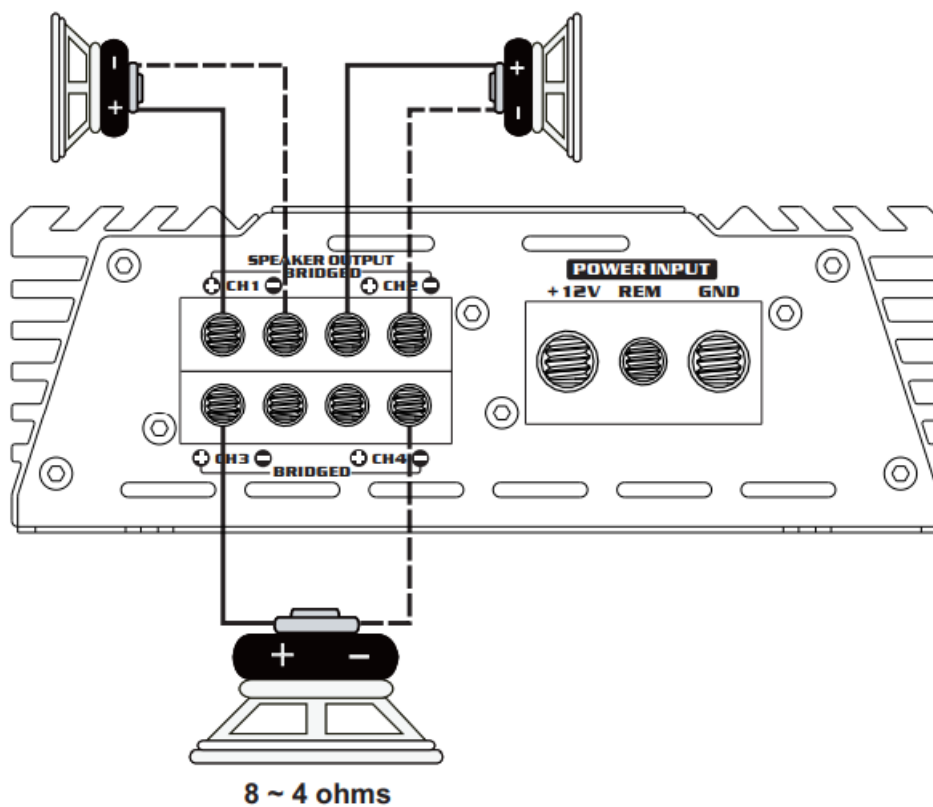
DAK300.2 minimum working impedance is 2ohm

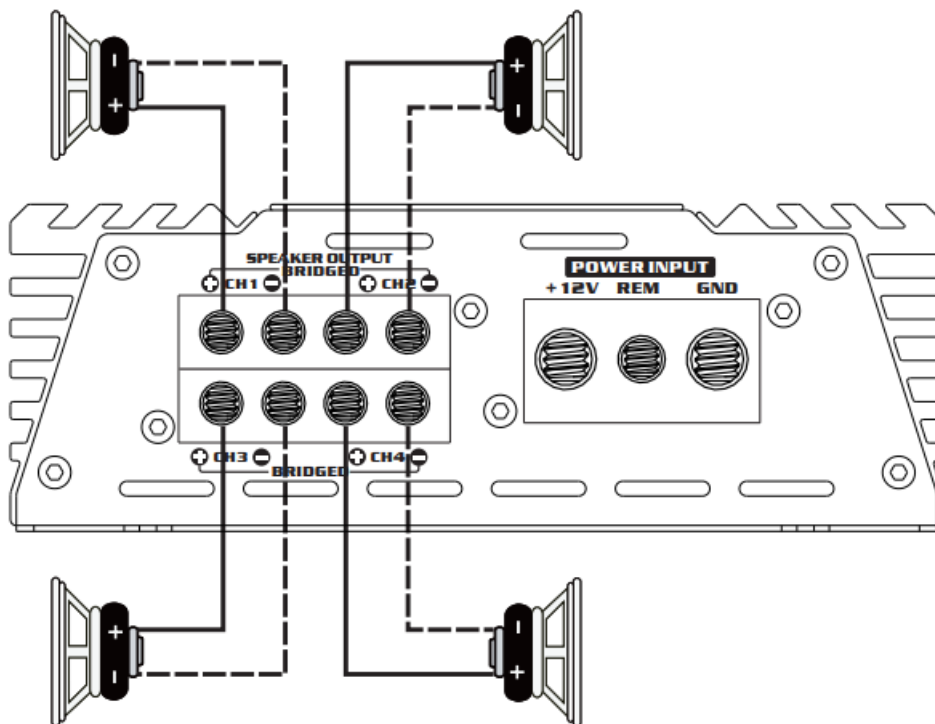


DAK 200.4D RCA INPUT CONNECTION



DAK 200.4D SPEAKER CONNECTION

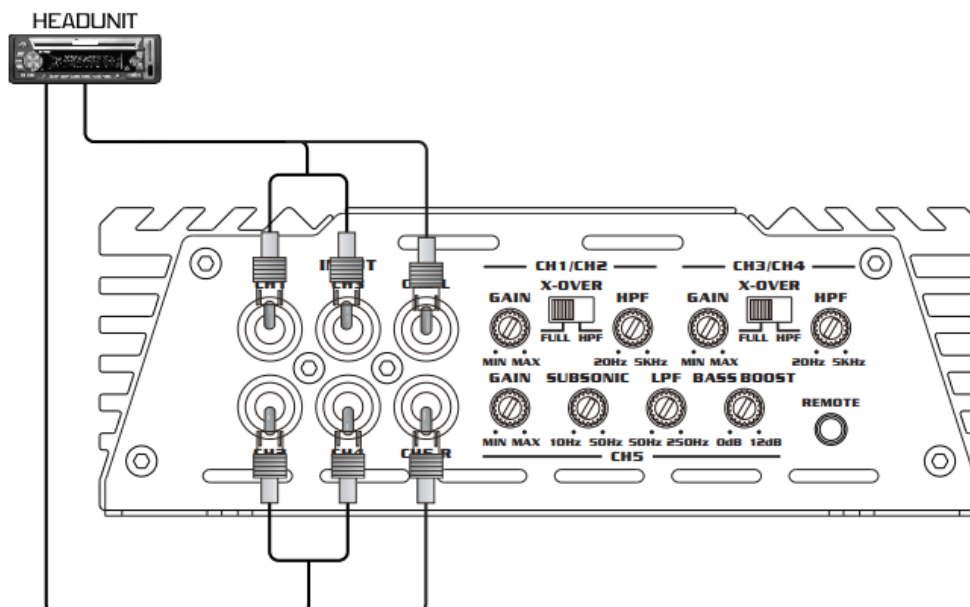




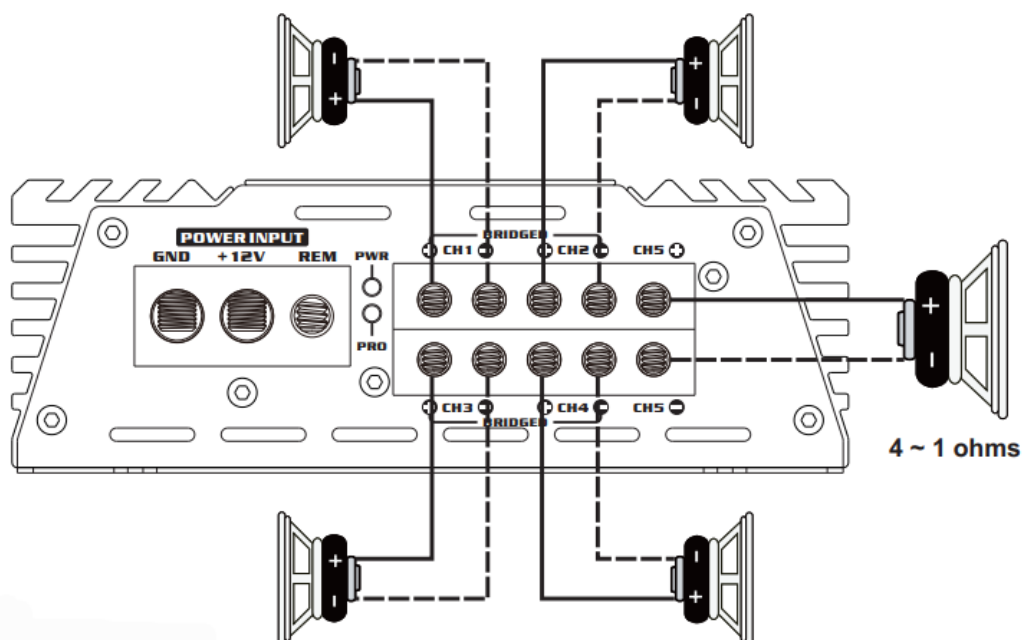
Caution !!

DAK200.4D minimum working impedance is 2ohm

DAK 1500.5 RCA INPUT CONNECTION

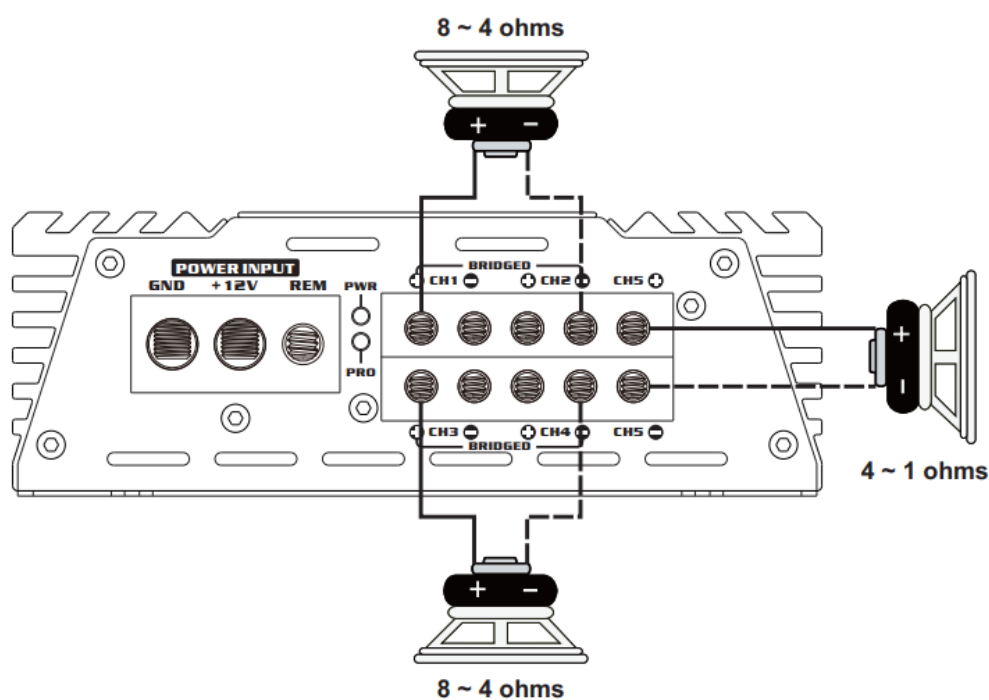



DAK 1500.5 SPEAKER CONNECTION



Caution !!

DAK1500.5 minimum working impedance is 2ohm stereo or 4 ohm mono for CH1~ Ch4 and 1 ohm for ch5



 <p>HIGH PERFORMANCE AMPLIFIER</p> <p>Dragster ESTD 1971</p> <p>DAK 1500.5 DAK 200.4D DAK 300.2</p> <p>OWNER'S MANUAL Please read carefully before using</p>	<p>Dragster High Performance Amplifier [pdf] Owner's Manual High Performance Amplifier, DAK 300.2, DAK 200.4D, DAK 1500.5</p>
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