



CAR AUDIO SYSTEM

Owner's Manual

Please read carefully before installing or operated this unit

DAK-2600.1D

DAK-300.2AB

DAK-600.2D

DAK-1000.2D

DAK-200.4D

DAK-1500.5

HIGH EFFICIENCY POWER AMPLIFIER

WARNING

Make sure you choose a suitable place to mount the unit. The position should be completely dry with a good circulation of air, and from a mechanical point of view very stable.

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 authorized dealer if needed before starting your installation.

FEATURES

DIGITAL MONOBLOCK AMPLIFIER

- ◆ STABLE INTO 1 OHM LOAD
- ◆ HIGH SPEED MOSFET POWER SUPPLY
- ◆ 12dB/OCT, VARIABLE CROSSOVER
- ◆ VARIABLE LOW PASS FILTER
- ◆ VARIABLE SUBSONIC FILTER
- ◆ 6dB / 12dB SELECTABLE BASS BOOST
- ◆ REMOTE CONTROL
- ◆ COMPACT DESIGN

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

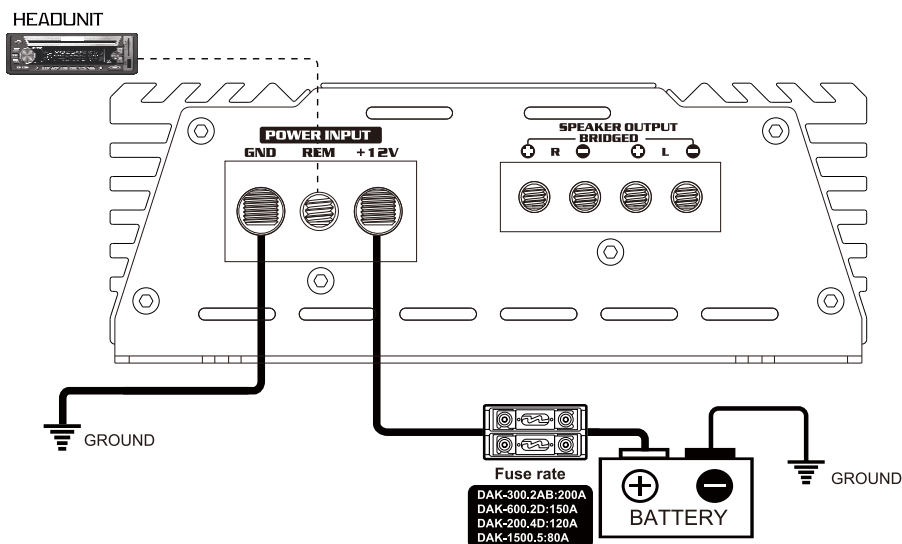
SPECIFICATIONS

Model	DAK-300.2AB	DAK-600.2D	DAK-200.4D	DAK-1500.5
RMS power @ 4 ohm	300W x 2	600W x 2	220W x 4	70W x 4 + 200W x 1
RMS power @ 2 ohm	500W x 2	900W 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	1700W x 1	750W x 2	200W x 2
RMS power @ 2 ohm mono	2000W x 1	-	-	-
Amplifier Type	Class AB	Class D	Class D	Class AB for CH1/2 & CH3/4 Class D for CH5
Working impedance	2 ohm	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	0.2 V-6 V	0.2 V-6 V
High Pass Filter	20 Hz - 5KHz	20 Hz - 5KHz	15 Hz - 6KHz	20 Hz - 5KHz for CH1/2 & CH3/4
Low Pass Filter	50 Hz - 500 Hz	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	0dB 6dB 12dB	-	0 - 12 dB for CH5
Frequency Response	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 khz for CH1/4 20Hz - 250Hz for CH5
Signal to Noise Ratio	>85 dB	>85 dB	>85 dB	105 dB < for CH1/4, 85 dB < for CH5
THD @ 4ohm	0.05% >	0.02% >	0.2% >	0.1% >
Damping Factor	-	-	-	> 150
Working voltage	9 V - 15 V	9 V - 15 V	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A	120 A	80 A
Dimensions (L inches)	17.72	15.16	11.73	16.93
6.22 W x 2.15 H inches				

Model	DAK-2600.1D	DAK-1000.2D
RMS power @ 4 ohm	1000 W x 1	420 W x 2
RMS power @ 2 ohm	1500 W x 1	720 W x 2
RMS power @ 1 ohm	2500 W x 1	1000 W x 2
RMS power @ 4 ohm mono	-	1300Wx1
Working impedance	1 ohm stable	1 ohm
Input Sensitivity	0.2 V-6 V	0.2 V-6 V
High Pass Filter	-	20 Hz - 6KHz
Low Pass Filter	50 Hz - 220 Hz	40 Hz - 500 Hz
Subsonic Filter	Off - 50Hz	-
Bass Boost	0 - 6 - 12 dB	0dB 6dB 12dB
Frequency Response	12 Hz - 220 Hz	20 Hz - 20KHz
Signal to Noise Ratio	> 85 dB	>85 dB
THD @ 4ohm	0.2% >	0.2% >
Damping Factor	> 150	-
Working voltage	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A
Dimensions (L inches)	17.72	15.16
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 fuse holder to the power cable going into the amplifiers and the other end of fuse holder to 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 holder adequate for the application.

GND (GROUND)

Locate a secure grounding connection as close to 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 power antenna trigger cable. Connect the remote turn on cable to the REM (remote) terminal.

TROUBLE SHOOTINGS

- ◆ 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 shuts 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 with 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 headunit's ground contact. all grounds should be common.
- ◆ Check RCA Jack, then replace with new one or reroute RCA Jack.
- ◆ Engine noise is caused by poor grounding of amplifiers, headunit, other components, battery or alternator, so please check all grounding connection.

POOR BASS RESPONSE

- ◆ Please check speaker cables and reverse polarity.



EINLEITUNG

Herzlichen Glückwunsch und vielen Dank, dass Sie sich für DAK Audio-Verstärker entschieden haben, die logische Wahl bei der mobilen Audioverstärkung. Ihre Verstärker wurden mit Komponenten von höchster Qualität und erstklassiger Verarbeitung entwickelt und konstruiert, um Ihnen den bestmöglichen Klang zu bieten. Bitte lesen Sie sich dieses Handbuch durch, um eine optimale Leistung Ihres Systems zu erhalten, oder besuchen Sie bei Bedarf den autorisierten Fachhändler, bevor Sie mit der Installation beginnen.

EIGENSCHAFTEN

DIGITAL MONOBLOCK AMPLIFIER

- ◆ STABLE INTO 1 OHM LAUFDREHZAHL MOSFET
- ◆ HIGH-POWER SUPPLY
- ◆ 12dB / oct, VARIABLE CROSSOVER
- ◆ VARIABLE Tiefpassfilter FILTER
- ◆ VARIABLE SUBSONIC
- ◆ 6dB / 12dB WÄHLBARE BASS BOOST
- ◆ Fernbedienung
- ◆ COMPACT DESIGN

2 / 4 KANALVERSTÄRKER

- ◆ STABLE in 2 oder 4 OHM OHM MONO STEREO
- ◆ HOCHGESCHWINDIGKEITS-MOSFET-STROMVERSORGUNG
- ◆ 12dB / OAT HIGH PASS FILTER
- ◆ 12dB / OAT LOW PASS FILTER
- ◆ 6 dB / 12 dB WÄHLBARE BASS BOOST /DAK300,2
- ◆ BAND-PASSFÄHIG
- ◆ OBERFLÄCHENEINBAUTECHNIK
- ◆ BEIDSEITIG Leiterplatte

5 KANALVERSTÄRKER

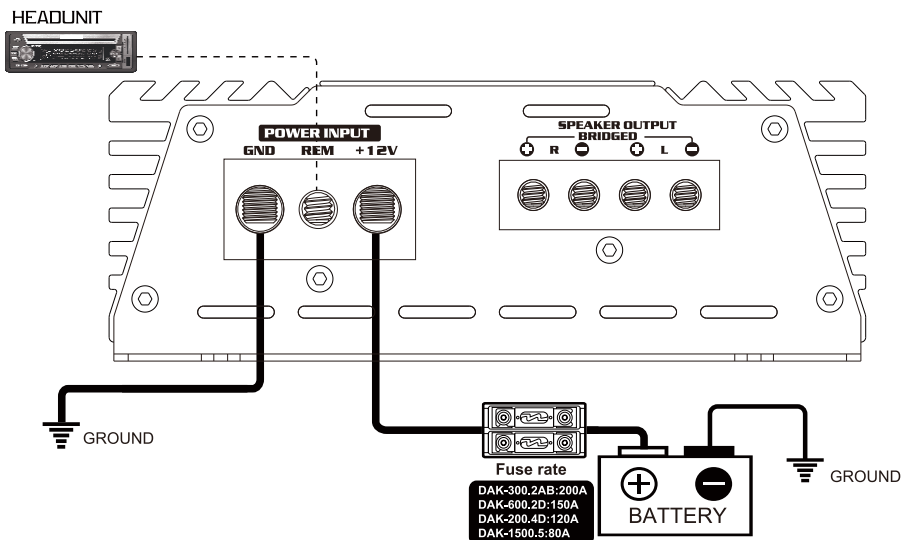
- ◆ CH1 ~ CH4 STABLE INTO 2 OHM STEREO
- ◆ CH5 STABIL INTO 1 OHM
- ◆ 12dB / OAT HIGH PASS FILTER FÜR CH1 ~ CH4
- ◆ 24dB / OAT LOW PASS FILTER FÜR CH5
- ◆ 24 dB / OAT, SUBSONIC-FILTER FÜR CH5
- ◆ VARIABLE BASS BOOST
- ◆ OBERFLÄCHENEINBAUTECHNIK
- ◆ BEIDSEITIG Leiterplatte

SPECIFICATIONS

Model	DAK-300.2AB	DAK-600.2D	DAK-200.4D	DAK-1500.5
RMS power @ 4 ohm	300W x 2	600W x 2	220W x 4	70W x 4 + 200W x 1
RMS power @ 2 ohm	500W x 2	900W 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	1700W x 1	750W x 2	200W x 2
RMS power @ 2 ohm mono	2000W x 1	-	-	-
Amplifier Type	Class AB	Class D	Class D	Class AB for CH1/2 & CH3/4 Class D for CH5
Working impedance	2 ohm	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	0.2 V-6 V	0.2 V-6 V
High Pass Filter	20 Hz - 5KHz	20 Hz - 5KHz	15 Hz - 6KHz	20 Hz - 5KHz for CH1/2 & CH3/4
Low Pass Filter	50 Hz - 500 Hz	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	0dB 6dB 12dB	-	0 - 12 dB for CH5
Frequency Response	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 khz for CH1/4 20Hz - 250Hz for CH5
Signal to Noise Ratio	>85 dB	>85 dB	>85 dB	105 dB < for CH1/4, 85 dB < for CH5
THD @ 4ohm	0.05% >	0.02% >	0.2% >	0.1% >
Damping Factor	-	-	-	> 150
Working voltage	9 V - 15 V	9 V - 15 V	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A	120 A	80 A
Dimensions (L inches)	17.72	15.16	11.73	16.93
6.22 W x 2.15 H inches				

Model	DAK-2600.1D	DAK-1000.2D
RMS power @ 4 ohm	1000 W x 1	420 W x 2
RMS power @ 2 ohm	1500 W x 1	720 W x 2
RMS power @ 1 ohm	2500 W x 1	1000 W x 2
RMS power @ 4 ohm mono	-	1300Wx1
Working impedance	1 ohm stable	1 ohm
Input Sensitivity	0.2 V-6 V	0.2 V-6 V
High Pass Filter	-	20 Hz - 6KHz
Low Pass Filter	50 Hz - 220 Hz	40 Hz - 500 Hz
Subsonic Filter	Off - 50Hz	-
Bass Boost	0 - 6 - 12 dB	0dB 6dB 12dB
Frequency Response	12 Hz - 220 Hz	20 Hz - 20KHz
Signal to Noise Ratio	> 85 dB	>85 dB
THD @ 4ohm	0.2% >	0.2% >
Damping Factor	> 150	-
Working voltage	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A
Dimensions (L inches)	17.72	15.16
6.22 W x 2.15 H inches		

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BATT (12V POWER)

Trennen Sie vor dem Anbringen von Verstärkern das Minuskabel von der Batterie, um eine versehentliche Beschädigung Ihrer Verstärker und Ihres Audiosystems zu vermeiden. Schließen Sie die Netzkabel an die Stromversorgungsklemme 12 V an. Alle Verstärker der DAK-Serie sind nicht mit Sicherungen ausgestattet, sodass externe Sicherungen verwendet werden sollten. Ein Ende des Sicherungshalters zum Stromkabel geht in die Verstärker und das andere Ende des Sicherungshalters zur positiven Batterie. Diese Position der Sicherung schützt das System und das Fahrzeug vor einem Kurzschluss im Stromkabel. Verwenden Sie für die Anwendung geeignete Sicherungen und Sicherungshalter.

GND (GROUND)

Suchen Sie einen sicheren Erdungsanschluss so nahe wie möglich am Verstärker. Stellen Sie sicher, dass der Standort sauber ist und eine direkte elektrische Verbindung zum Fahrzeugrahmen besteht. Der Boden muss einen möglichst geringen Widerstand haben. Schließen Sie ein Ende eines kurzen Stücks desselben Kabels wie das Stromkabel an den Erdungspunkt oder an eine Ihrer Batterien oder Batterien an. Führen Sie das andere Ende des Kabels zum Montageort der Verstärker für den Anschluss an die Masseklemmen der Verstärker und verbinden Sie das Massekabel mit der Masse (Masseklemme).

REM (REMOTE)

Führen Sie ein Remote-Einschaltkabel von der umgeschalteten 12-V-Quelle aus. Dies kann ein Kippschalter, ein Relais, die Fernauslöserkabel der Quelle oder ein Antennenkabel für die Antennenantenne sein. Schließen Sie das Ferneinschaltkabel an den REM-Anschluss (Remote) an.

FEHLERSUCHE

- ◆ Verstärker der DAK-Serie verfügen über Schutzfunktionen, um Schäden durch falsche Verwendung oder fehlerhafte Bedingungen zu vermeiden.
- ◆ Wenn Verstärker der DAK-Serie übermäßige Wärme wahrnehmen, leuchten kurzgeschlossene Gleichstrom-Lautsprecher oder Spannungsschutz und das System wird ausgeschaltet.
- ◆ Um das Problem zu beheben, sollten Sie alle Stufen herunterfahren und alle Stromquellen ausschalten und die Installation sorgfältig auf Verdrahtungsfehler oder Kurzschlüsse beheben.
- ◆ Wenn die Verstärker der DAK-Serie wegen zu hoher Hitze heruntergefahren werden, funktionieren sie später, wenn sie abgekühlt sind.
- ◆ Bevor Sie den Verstärker entfernen, beachten Sie die nachstehende Liste und befolgen Sie die empfohlenen Verfahren.

KEIN KLANG (KEIN AUSGANG)

- ◆ Bitte beheben Sie alle Anschlüsse, Verlegungs-, Kurz- und Spannungskabel.
- ◆ Überprüfen Sie die Sicherungen. Wenn sie durchgebrannt sind, ersetzen Sie sie durch neue.
- ◆ Bitte überprüfen Sie, ob die Lautsprecher gut funktionieren. Sie können die Lautsprecher testen, indem Sie einen anderen Verstärker anschließen.

Verzerrung & Geräusch

- ◆ Stellen Sie den Eingangspegel erneut ein und überprüfen Sie die Lautsprecherqualität an einem anderen Verstärker. Ersetzen Sie Lautsprecher mit schlechter Qualität durch qualitativ hochwertige.
- ◆ Überprüfen Sie den Massekontakt der Verstärker und der Kopfeinheit. Alle Gründe sollten gemeinsam sein.
- ◆ Check RCA Jack, then replace with new one or reroute RCA Jack.
- ◆ Engine noise is caused by poor grounding of amplifiers, headunit, other components, battery or alternator, so please check all grounding connection.

POOR BASS RESPONSE

- ◆ Please check speaker cables and reverse polarity.



ВВЕДЕНИЕ

Поздравляем и благодарим вас за приобретение усилителей DAK Audio, логического выбора в усилении мобильного звука. Ваши усилители были спроектированы и спроектированы с использованием высококачественных компонентов и верхней части линии, чтобы помочь вам достичь верхнего звука, который вы после.

Для достижения оптимальной производительности вашей системы, пожалуйста, прочитайте это руководство или ознакомьтесь с официальным дилером, если необходимо, перед началом установки.

ОСОБЕННОСТИ

DIGITAL MONOBLOCK AMPLIFIER

- ◆ СТАБИЛЬНЫЙ в 1 ОМНЫЙ скорость загрузки MOSFET
- ◆ ВЫСОКОГО ПИТАНИЯ
- ◆ 12дБ / окт, ПЕРЕМЕННОГО КРОССОВЕР
- ◆ ПЕРЕМЕННОГО фильтр
- ◆ нижних частот ФИЛЬТР
- ◆ ПЕРЕМЕННОГО SUBSONIC 6дБ / 12дБ ВЫБИРАЕТСЯ усиление басов
- ◆ Пульт ДУ
- ◆ компактная конструкция

2 / 4 CHANNEL AMPLIFIER

- ◆ СТАБИЛЬНОСТЬ В СТАНДАРТУ 2 ОМ STEREO ИЛИ 4 ОМ MONO
- ◆ ВЫСОКОСКОРОСТНАЯ МОЩНОСТЬ ПИТАНИЯ
- ◆ 12dB / OCT, HIGH PASS FILTER
- ◆ 12dB / OCT, LOW PASS FILTER
- ◆ 6dB / 12dB ВЫБОРНЫЙ BASS BOOST / DAK 300,2
- ◆ BAND-PASS CAPABLE
- ◆ ТЕХНОЛОГИЯ ОБРАБОТКИ ПОВЕРХНОСТЕЙ
- ◆ ДВУХМЕСТНАЯ ПЕЧАТНАЯ ПЛАТНАЯ ПЛАТА

5 CHANNEL AMPLIFIER

- ◆ CH1 ~ CH4 СТАБИЛЬНОСТЬ В СТАНДАРТУ 2 ОМ STEREO
- ◆ CH5 СТАБИЛЬНОСТЬ В СТАНДАРТУ 1 ОМ
- ◆ 12dB / OCT, HIGH PASS FILTER FOR CH1 ~ CH4
- ◆ 24 dB / OCT, LOW PASS FILTER CH5
- ◆ 24 dB / OCT, дозвуковой фильтр для CH5
- ◆ Переменное усиление басов
- ◆ ТЕХНОЛОГИЯ ОБРАБОТКИ ПОВЕРХНОСТЕЙ
- ◆ ДВУХМЕСТНАЯ ПЕЧАТНАЯ ПЛАТНАЯ ПЛАТА

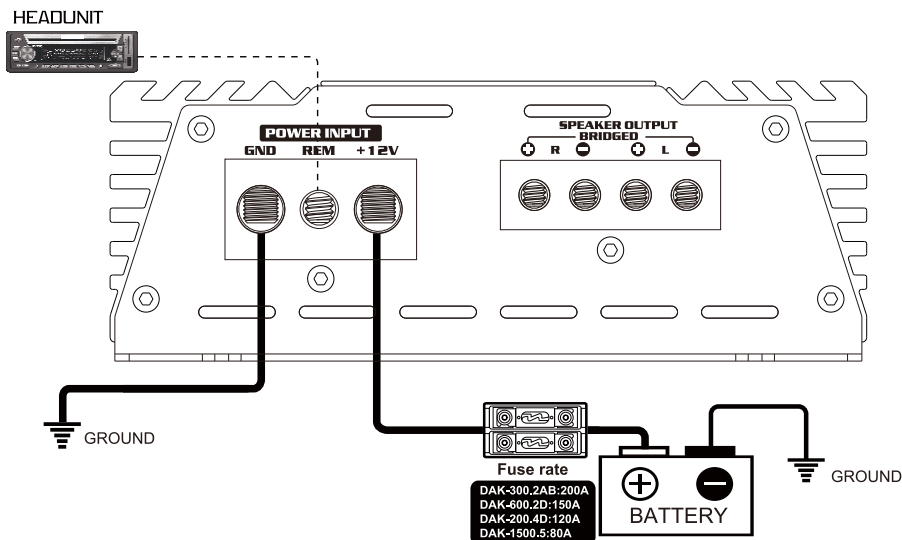
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RMS power @ 1 ohm	800W x 2	-	-	500W x 1
RMS power @ 4 ohm mono	1000W x 1	1700W x 1	750W x 2	200W x 2
RMS power @ 2 ohm mono	2000W x 1	-	-	-
Amplifier Type	Class AB	Class D	Class D	Class AB for CH1/2 & CH3/4 Class D for CH5
Working impedance	2 ohm	2 ohm	2 ohm	2 ohm for CH1/4 1 ohm for CH5
Input Sensitivity	0.2 V-6 V	0.2 V-6 V	0.2 V-6 V	0.2 V-6 V
High Pass Filter	20 Hz - 5KHz	20 Hz - 5KHz	15 Hz - 6KHz	20 Hz - 5KHz for CH1/2 & CH3/4
Low Pass Filter	50 Hz - 500 Hz	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	0dB 6dB 12dB	-	0 - 12 dB for CH5
Frequency Response	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 khz for CH1/4 20Hz - 250Hz for CH5
Signal to Noise Ratio	>85 dB	>85 dB	>85 dB	105 dB < for CH1/4, 85 dB < for CH5
THD @ 4ohm	0.05% >	0.02% >	0.2% >	0.1% >
Damping Factor	-	-	-	> 150
Working voltage	9 V - 15 V	9 V - 15 V	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A	120 A	80 A
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RMS power @ 2 ohm	1500 W x 1	720 W x 2
RMS power @ 1 ohm	2500 W x 1	1000 W x 2
RMS power @ 4 ohm mono	-	1300Wx1
Working impedance	1 ohm stable	1 ohm
Input Sensitivity	0.2 V-6 V	0.2 V-6 V
High Pass Filter	-	20 Hz - 6KHz
Low Pass Filter	50 Hz - 220 Hz	40 Hz - 500 Hz
Subsonic Filter	Off - 50Hz	-
Bass Boost	0 - 6 - 12 dB	0dB 6dB 12dB
Frequency Response	12 Hz - 220 Hz	20 Hz - 20KHz
Signal to Noise Ratio	> 85 dB	>85 dB
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Damping Factor	> 150	-
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Fuse Rating	200 A	150 A
Dimensions (L inches)	17.72	15.16
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ПОДКЛЮЧЕНИЕ ПИТАНИЯ



BATT (12V POWER)

Перед установкой усилителей отсоедините отрицательный кабель от аккумулятора, чтобы предотвратить случайное повреждение ваших усилителей и аудиосистемы. Подключите силовые кабели к клемме питания 12V. Все усилители DAK-серии не оснащены предохранителями, поэтому следует использовать внешние предохранители. Подключите один конец держателя предохранителя к силовому кабелю, идущему в усилители, а другой конец держателя предохранителя - к положительной батарее. Это место предохранителя защитит систему и автомобиль от возможности короткого замыкания в силовом кабеле. Обязательно используйте предохранители и держатели предохранителей, подходящие для применения.

GND (GROUND)

Найдите безопасное заземляющее соединение как можно ближе к усилителю. Убедитесь, что место чиста и обеспечивает прямое электрическое соединение с рамой автомобиля. Земля должна быть как можно ниже. Подключите один конец короткого куска кабеля того же размера, что и кабель питания к точке заземления, или к одной из ваших батарей или аккумулятора. Подключите другой конец кабеля к месту установки усилителей для подключения к клеммам заземления усилителей и подключите кабель заземления к заземлению (заземление).

REM (REMOTE)

Запустите дистанционный поворот кабеля от коммутируемого источника 12V. Это может быть тумблер, реле, дистанционные триггерные кабели вашего источника или кабель триггера силовой антенны. Подключите кабель дистанционного управления к разъему REM (удаленный).

УСТРАНЕНИЕ НЕИСПРАВНОСТЕЙ

- ◆ Усилители серии DAK имеют защитные функции для предотвращения любого повреждения от неправильного использования или неисправных условий.
- ◆ Если усилители DAK-серии ощущают чрезмерное нагревание, загорятся короткозамкнутые громкоговорители DC или защита от напряжения, и система будет отключена.
- ◆ Чтобы проверить проблему, вы должны отключить все уровни и отключить питание и тщательно проверить установку на ошибки проводки или короткое замыкание.
- ◆ Если усилители серии DAK отключены из-за чрезмерного нагрева, они будут работать позже, когда они будут охлаждены
- ◆ Перед удалением усилителя обратитесь к приведенному ниже списку и следуйте предлагаемым процедурам.

NO SOUND (NO OUTPUT)

- ◆ Пожалуйста, проверьте все соединения, прокладку, короткие и напряженные кабели.
- ◆ Пожалуйста, проверьте предохранители, если они взорваны, замените их на новый.
- ◆ Проверьте, работают ли динамики, вы можете протестировать динамики, подключив их к другому усилителю

РАССТОЯНИЕ И ШУМ

- ◆ Отрегулируйте уровень входного сигнала и проверьте качество звука на другом усилителе. Замените колонки низкого качества с хорошими качествами.
- ◆ Проверьте усилители и контакт заземления головного устройства. все основания должны быть общими.



INTRODUCCIÓN

Felicitaciones y gracias por comprar amplificadores de audio DAK, la opción lógica en la amplificación de audio móvil.

Sus amplificadores han sido diseñados y fabricados con componentes de la más alta calidad y la mejor mano de obra para ayudarlo a alcanzar el sonido superior que busca.

Para lograr un rendimiento óptimo de su sistema, tómese unos minutos para leer este manual del propietario o visite el distribuidor autorizado si es necesario antes de comenzar su instalación.

CARACTERÍSTICAS

AMPLIFICADOR DIGITAL MONOBLOCK

- ◆ ESTABLE EN 1 OHM CARGA
- ◆ FUENTE DE ALIMENTACIÓN MOSFET DE ALTA VELOCIDAD
- ◆ 12dB / OCT, CROSSOVER VARIABLE
- ◆ FILTRO DE PASO BAJO VARIABLE
- ◆ FILTRO SUBSONICO VARIABLE
- ◆ BAJO SELECCIONABLE DE 6dB / 12dB
- ◆ COTA CONTROL REMOTO
- ◆ DISEÑO COMPACTO

AMPLIFICADOR DE 2 / 4 CANALES

- ◆ ESTABLE EN 2 OHM ESTÉREO O 4 OHM MONO
- ◆ FUENTE DE ALIMENTACIÓN MOSFET DE ALTA VELOCIDAD
- ◆ 12dB / OCT, FILTRO DE ALTO PASO
- ◆ 12dB / OCT, FILTRO DE PASO BAJO
- ◆ 6dB / 12dB SELECTABLE BASS BOOST / DAK300.2
- ◆ BAND-PASS CAPABLE
- ◆ TECNOLOGÍA DE MONTAJE SUPERFICIAL
- ◆ TABLERO DE CIRCUITO IMPRESO A LADO DOBLE

AMPLIFICADOR DE 5 CANALES

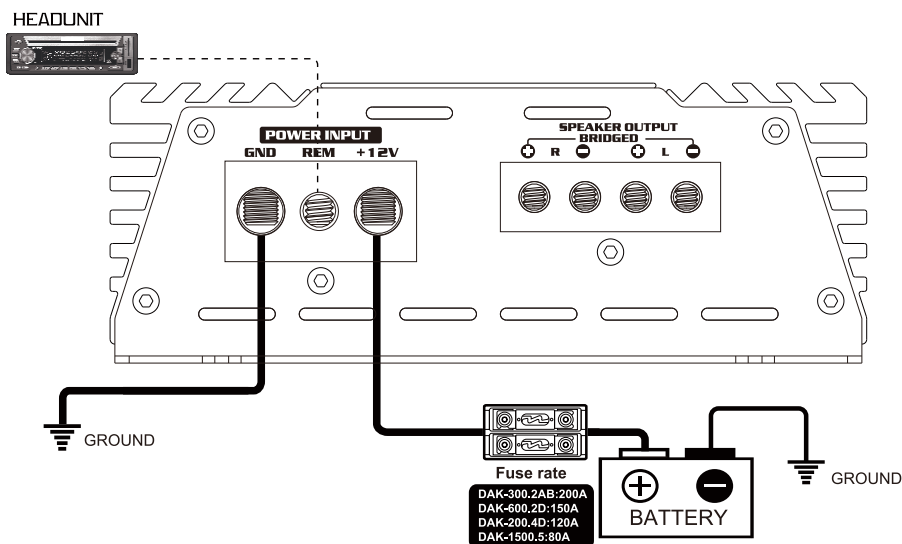
- ◆ CH1 ~ CH4 ESTABLE EN 2 OHM ESTÉREO
- ◆ CH5 ESTABLE EN 1 OHM
- ◆ 12dB / OCT, FILTRO DE ALTO PASO PARA CH1 ~ CH4
- ◆ 24 dB / OCT, FILTRO DE PASO BAJO PARA CH5
- ◆ 24dB / OCT, FILTRO SUBSONICO PARA CH5
- ◆ BAJA VARIABLE AUMENTAR
- ◆ TECNOLOGÍA DE MONTAJE SUPERFICIAL
- ◆ TABLERO DE CIRCUITO IMPRESO A LADO DOBLE

SPECIFICATIONS

Model	DAK-300.2AB	DAK-600.2D	DAK-200.4D	DAK-1500.5
RMS power @ 4 ohm	300W x 2	600W x 2	220W x 4	70W x 4 + 200W x 1
RMS power @ 2 ohm	500W x 2	900W 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	1700W x 1	750W x 2	200W x 2
RMS power @ 2 ohm mono	2000W x 1	-	-	-
Amplifier Type	Class AB	Class D	Class D	Class AB for CH1/2 & CH3/4 Class D for CH5
Working impedance	2 ohm	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	0.2 V-6 V	0.2 V-6 V
High Pass Filter	20 Hz - 5KHz	20 Hz - 5KHz	15 Hz - 6KHz	20 Hz - 5KHz for CH1/2 & CH3/4
Low Pass Filter	50 Hz - 500 Hz	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	0dB 6dB 12dB	-	0 - 12 dB for CH5
Frequency Response	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 khz for CH1/4 20Hz - 250Hz for CH5
Signal to Noise Ratio	>85 dB	>85 dB	>85 dB	105 dB < for CH1/4, 85 dB < for CH5
THD @ 4ohm	0.05% >	0.02% >	0.2% >	0.1% >
Damping Factor	-	-	-	> 150
Working voltage	9 V - 15 V	9 V - 15 V	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A	120 A	80 A
Dimensions (L inches)	17.72	15.16	11.73	16.93
6.22 W x 2.15 H inches				

Model	DAK-2600.1D	DAK-1000.2D
RMS power @ 4 ohm	1000 W x 1	420 W x 2
RMS power @ 2 ohm	1500 W x 1	720 W x 2
RMS power @ 1 ohm	2500 W x 1	1000 W x 2
RMS power @ 4 ohm mono	-	1300Wx1
Working impedance	1 ohm stable	1 ohm
Input Sensitivity	0.2 V-6 V	0.2 V-6 V
High Pass Filter	-	20 Hz - 6KHz
Low Pass Filter	50 Hz - 220 Hz	40 Hz - 500 Hz
Subsonic Filter	Off - 50Hz	-
Bass Boost	0 - 6 - 12 dB	0dB 6dB 12dB
Frequency Response	12 Hz - 220 Hz	20 Hz - 20KHz
Signal to Noise Ratio	> 85 dB	>85 dB
THD @ 4ohm	0.2% >	0.2% >
Damping Factor	> 150	-
Working voltage	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A
Dimensions (L inches)	17.72	15.16
6.22 W x 2.15 H inches		

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



BATT (12V POWER)

Antes de montar los amplificadores, desconecte el cable negativo de la batería para proteger cualquier daño accidental a sus amplificadores y sistema de audio. Conecte los cables de alimentación al terminal de alimentación 12V. Todos los amplificadores de la serie DAK no están equipados con fusibles, por lo que se deben usar fusibles externos. Conecte un extremo del portafusibles al cable de alimentación que entra en los amplificadores y el otro extremo del portafusibles a la batería positiva. Esta ubicación del fusible protegerá el sistema y el vehículo contra la posibilidad de un cortocircuito en el cable de alimentación. Asegúrese de usar los fusibles y el portafusibles adecuados para la aplicación.

GND (GROUND)

Ubique una conexión a tierra segura lo más cerca posible del amplificador. Asegúrese de que la ubicación esté limpia y proporcione una conexión eléctrica directa al chasis del vehículo. El terreno debe tener la menor resistencia posible. Conecte un extremo de un cable corto del mismo tamaño que el cable de alimentación al punto de conexión a tierra o a una de sus baterías o banco de baterías. Pase el otro extremo del cable de 4 ga a la ubicación de montaje de los amplificadores para la conexión a los terminales de tierra de los amplificadores y conecte el cable de tierra a la GND (terminal de tierra).

REM (REMOTE)

Ejecute un cable de encendido remoto desde la fuente de 12V conmutada. Puede tratarse de un interruptor de palanca, un relé, los cables de activación remota de su unidad fuente o el cable de activación de la antena eléctrica. Conecte el cable de activación remota al terminal REM (remoto)..

SOLUCIÓN DE PROBLEMAS

- ◆ Los amplificadores de la serie DAK tienen características de protección para evitar daños por mal uso o condiciones defectuosas.
- ◆ Si los amplificadores de la serie DAK detectan calor excesivo, cortocircuitos de los altavoces DC o voltaje, el indicador de protección se encenderá y el sistema se apagará.
- ◆ Para solucionar el problema, debe bajar todos los niveles y apagar todos, y revisar cuidadosamente la instalación para detectar errores de cableado o cortocircuitos.
- ◆ Si los amplificadores de la serie DAK se apagan debido a un calor excesivo, funcionarán más tarde cuando se enfrien.
- ◆ Antes de retirar su amplificador, consulte la lista a continuación y siga los procedimientos sugeridos.

SIN SONIDO (SIN SALIDA)

- ◆ Por favor verifique todas las conexiones, cables, corto y voltaje.
- ◆ Compruebe los fusibles. Si están fundidos, sustitúyalos por uno nuevo.
- ◆ Compruebe si los altavoces funcionan bien, puede probar los altavoces conectándolos a otro amplificador.

DISTORSION Y RUIDO

- ◆ Reajuste el nivel de entrada y verifique la calidad del altavoz en otro amplificador. Reemplace los altavoces de mala calidad con los de buena calidad.
- ◆ Compruebe los amplificadores y el contacto de tierra de la unidad principal. Todos los motivos deben ser comunes.
- ◆ Verifique el conector RCA, luego sustitúyalo por uno nuevo o vuelva a enrutar el conector RCA.
- ◆ El ruido del motor se debe a una conexión a tierra deficiente de los amplificadores, la unidad principal, otros componentes, la batería o el alternador, así que verifique la conexión a tierra.

RESPUESTA DE LOS POBRES

- ◆ Compruebe los cables de los altavoces y la polaridad inversa.6



INTRODUZIONE

Congratulazioni e grazie per aver acquistato gli amplificatori DAK Audio, la scelta logica nell'amplificazione audio mobile. I suoi amplificatori progettati e ingegnerizzati sono stati con componenti di alta qualità e la parte superiore della linea di lavorazione per aiutarvi a raggiungere il suono superiore si sono dopo. Per ottenere prestazioni ottimali del sistema, Si prega di prendere qualche minuto per leggere oltre esta Manuale di istruzioni o visitare il rivenditore autorizzato, se necessario, prima di iniziare l'installazione.

CARATTERISTICHE

DIGITAL MONOBLOCK AMPLIFIER

- ◆ STABILE IN 1 ohm VELOCITÀ MOSFET
- ◆ alta ALIMENTAZIONE
- ◆ 12dB / oct, VARIABILE CROSSOVER
- ◆ Variabile passa basso FILTRO
- ◆ VARIABILE SUBSONIC 6dB / 12dB
- ◆ SELECTABLE BASS BOOST telecomando
- ◆ compatto PROGETTAZIONE

2 / 4 AMPLIFICATORE DI CANALI

- ◆ STABILE IN 2 OHM STEREO O 4 OHM MONO
- ◆ ALIMENTAZIONE DEL MOSFET AD ALTA VELOCITÀ
- ◆ 12 dB / OCT, filtro passa alto
- ◆ 12 dB / OCT, FILTRO PASSA BASSA
- ◆ DAK300,2-POTENZA BASSO SELEZIONABILE 6 dB / 12 dB
- ◆ BAND-PASS CAPABLE
- ◆ TECNOLOGIA PER MONTAGGIO SUPERFICIALE
- ◆ SCHEDA DEL CIRCUITO STAMPATO A DUE LATI

5 AMPLIFICATORE DI CANALI

- ◆ CH1 ~ CH4 STABILE INTO 2 OHM STEREO
- ◆ CH5 STABILE INTO 1 OHM
- ◆ 12 dB / OCT, filtro passa alto per CH1 ~ CH4
- ◆ 24dB/OCT, FILTRO PASSA BASSA per CH5
- ◆ 24dB/OCT, passa basso FILTRO per CH5
- ◆ VARIABILE POTENZA BASSO
- ◆ TECNOLOGIA PER MONTAGGIO SUPERFICIALE
- ◆ SCHEDA DEL CIRCUITO STAMPATO A DUE LATI

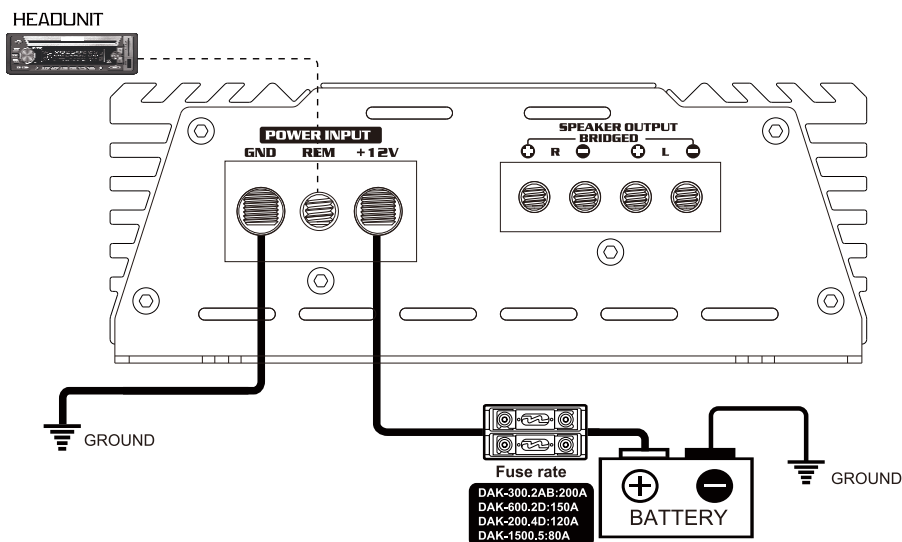
SPECIFICATIONS

Model	DAK-300.2AB	DAK-600.2D	DAK-200.4D	DAK-1500.5
RMS power @ 4 ohm	300W x 2	600W x 2	220W x 4	70W x 4 + 200W x 1
RMS power @ 2 ohm	500W x 2	900W 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	1700W x 1	750W x 2	200W x 2
RMS power @ 2 ohm mono	2000W x 1	-	-	-
Amplifier Type	Class AB	Class D	Class D	Class AB for CH1/2 & CH3/4 Class D for CH5
Working impedance	2 ohm	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	0.2 V-6 V	0.2 V-6 V
High Pass Filter	20 Hz - 5KHz	20 Hz - 5KHz	15 Hz - 6KHz	20 Hz - 5KHz for CH1/2 & CH3/4
Low Pass Filter	50 Hz - 500 Hz	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	0dB 6dB 12dB	-	0 - 12 dB for CH5
Frequency Response	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 khz for CH1/4 20Hz - 250Hz for CH5
Signal to Noise Ratio	>85 dB	>85 dB	>85 dB	105 dB < for CH1/4, 85 dB < for CH5
THD @ 4ohm	0.05% >	0.02% >	0.2% >	0.1% >
Damping Factor	-	-	-	> 150
Working voltage	9 V - 15 V	9 V - 15 V	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A	120 A	80 A
Dimensions (L inches)	17.72	15.16	11.73	16.93
6.22 W x 2.15 H inches				

Model	DAK-2600.1D	DAK-1000.2D
RMS power @ 4 ohm	1000 W x 1	420 W x 2
RMS power @ 2 ohm	1500 W x 1	720 W x 2
RMS power @ 1 ohm	2500 W x 1	1000 W x 2
RMS power @ 4 ohm mono	-	1300Wx1
Working impedance	1 ohm stable	1 ohm
Input Sensitivity	0.2 V-6 V	0.2 V-6 V
High Pass Filter	-	20 Hz - 6KHz
Low Pass Filter	50 Hz - 220 Hz	40 Hz - 500 Hz
Subsonic Filter	Off - 50Hz	-
Bass Boost	0 - 6 - 12 dB	0dB 6dB 12dB
Frequency Response	12 Hz - 220 Hz	20 Hz - 20KHz
Signal to Noise Ratio	> 85 dB	>85 dB
THD @ 4ohm	0.2% >	0.2% >
Damping Factor	> 150	-
Working voltage	9 V - 15 V	9 V - 15 V
Fuse Rating	200 A	150 A
Dimensions (L inches)	17.72	15.16
6.22 W x 2.15 H inches		

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

COLLEGAMENTO ALIMENTAZIONE



BATT (12V POWER)

Prima di montare gli amplificatori, scollegare il cavo negativo dalla batteria per proteggere eventuali danni accidentali agli amplificatori e al sistema audio. Collegare i cavi di alimentazione al terminale di alimentazione 12V. Tutti gli amplificatori della serie DAK non sono dotati di fusibili, pertanto è necessario utilizzare fusibili esterni. Collegare un'estremità del portafusibili al cavo di alimentazione che entra negli amplificatori e l'altra estremità del portafusibile alla batteria positiva. Questa posizione del fusibile protegge il sistema e il veicolo dalla possibilità di cortocircuito nel cavo di alimentazione. Assicurarsi di usare fusibili e portafusibili adeguati per l'applicazione.

GND (GROUND)

Individuare una connessione di messa a terra sicura il più vicino possibile all'amplificatore. Assicurarsi che la posizione sia pulita e che fornisca un collegamento elettrico diretto al telaio del veicolo. Il terreno deve essere il più basso possibile. Collegare un'estremità di un breve pezzo dello stesso cavo del cavo di alimentazione al punto di messa a terra o ad una delle batterie o della batteria. Inserire l'altra estremità del cavo nella posizione di montaggio degli amplificatori per il collegamento ai terminali di terra degli amplificatori e collegare il cavo di terra al GND (terminale di terra).

REM (REMOTE)

Avvia un cavo di accensione a distanza dalla sorgente a 12 V commutata. Questo può essere un interruttore, un relè, cavi innescò a distanza del relativo apparecchio o antenna elettrica cable. Connect innescare l'accensione remota filo al terminale REM (remoto).

RISOLUZIONE DEI PROBLEMI

- ◆ Gli amplificatori della serie DAK sono dotati di funzioni di protezione per evitare danni dovuti a uso improprio o condizioni difettose.
- ◆ Se gli amplificatori della serie DAK rilevano calore eccessivo, gli altoparlanti CC in corto circuito o la protezione di tensione si accendono e il sistema si spegne.
- ◆ Per verificare il problema, è necessario spegnere tutti i livelli e spegnere tutti e controllare attentamente l'installazione per eventuali errori di cablaggio o cortocircuito.
- ◆ Se gli amplificatori della serie DAK si spengono a causa del calore eccessivo, funzioneranno più tardi quando si raffredderà
- ◆ Prima di rimuovere l'amplificatore, fare riferimento all'elenco di seguito e seguire le procedure suggerite.

NO SOUND (NO OUTPUT)

- ◆ Controllare tutti i collegamenti, il routing dei cavi, i cortocircuiti e la tensione.
- ◆ Si prega di controllare i fusibili, se sono saltati, si prega di sostituire con uno nuovo .
- ◆ Verifica se gli altoparlanti funzionano bene, puoi testare gli altoparlanti collegandoti a un altro amplificatore

DISTORSIONE E RUMORE

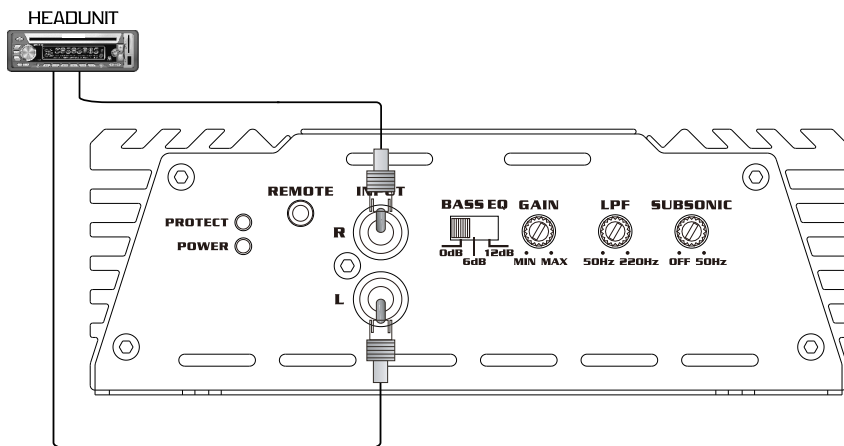
- ◆ Regolare il livello di ingresso e controllare la qualità dell'altoparlante su un altro amplificatore. Sostituire gli altoparlanti di scarsa qualità con quelli di buona qualità.
- ◆ Check amplifiers and headunit's ground contact. all grounds should be common.
- ◆ Check RCA Jack, then replace with new one or reroute RCA Jack.
- ◆ Engine noise is caused by poor grounding of amplifiers, headunit, other components, battery or alternator, so please check all grounding connection.

POOR BASS RESPONSE

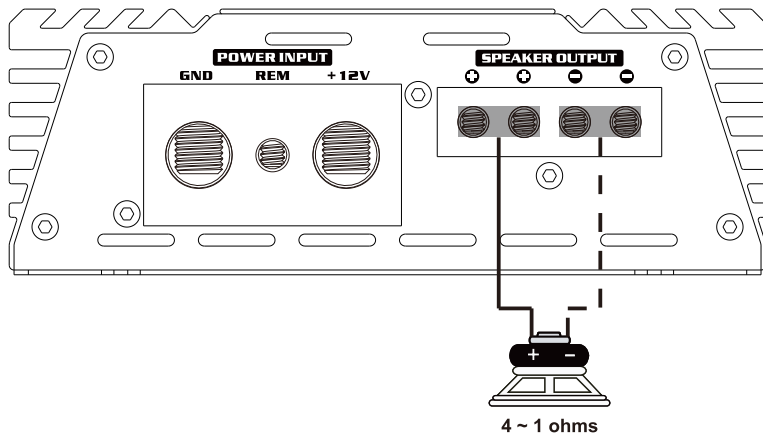
- ◆ Please check speaker cables and reverse polarity.



DAK-2600.1D RCA INPUT CONNECTION



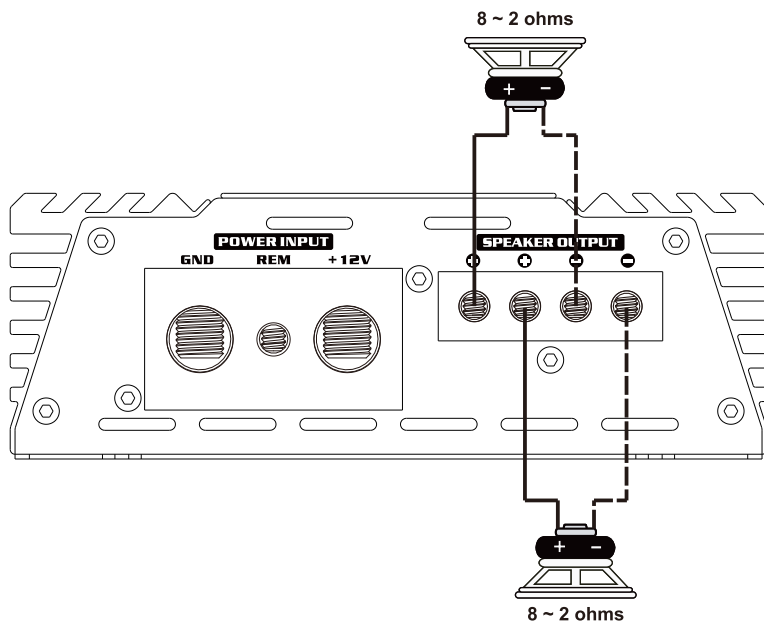
DAK-2600.1D SPEAKER CONNECTION



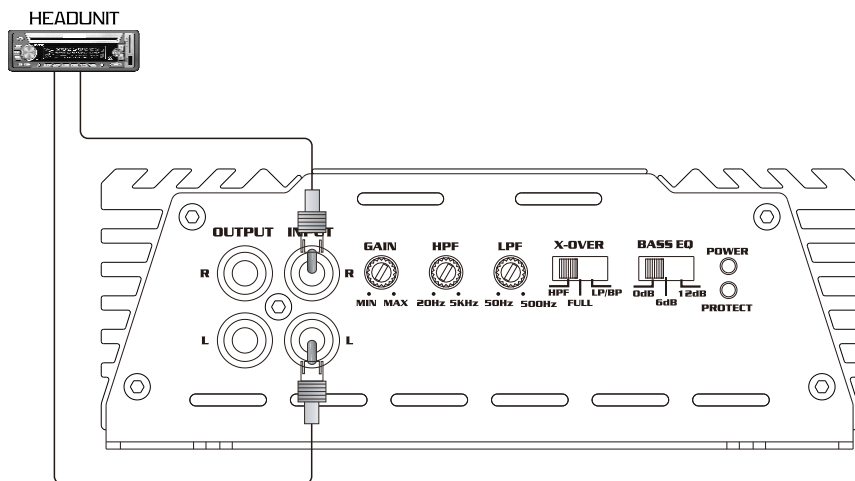
! Caution !!

DAK-2600.1D minimum working impedance is 1ohm

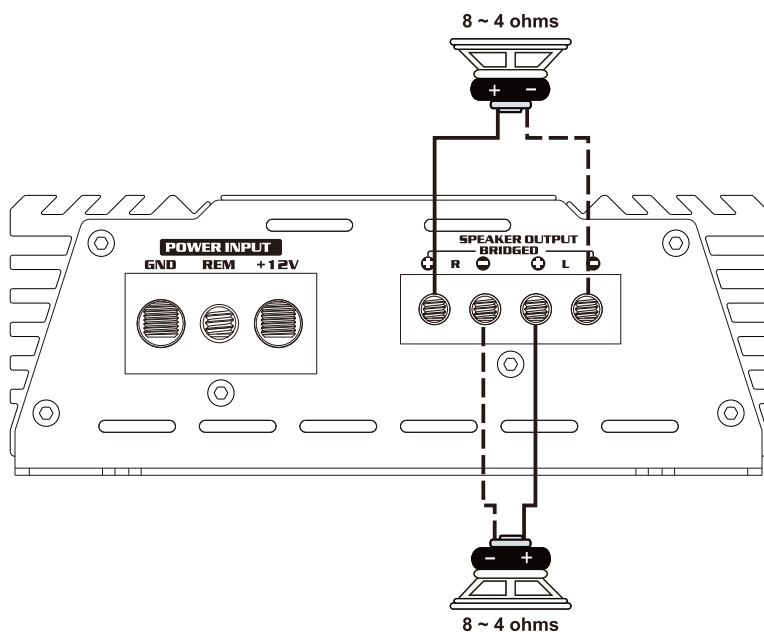
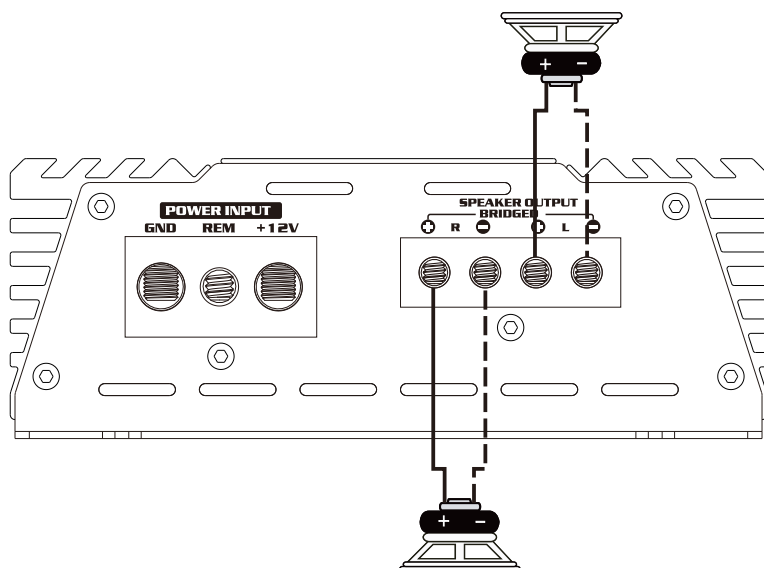
DAK-2600.1D SPEAKER CONNECTION



DAK300.2AB & DAK-600.2D & DAK-1000.2D RCA INPUT CONNECTION



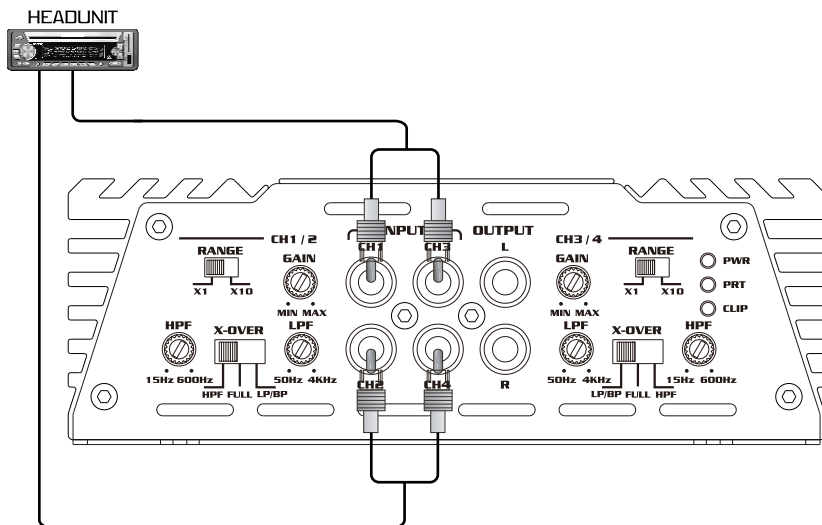
DAK300.2AB & DAK-600.2D & DAK-1000.2D SPEAKER CONNECTION



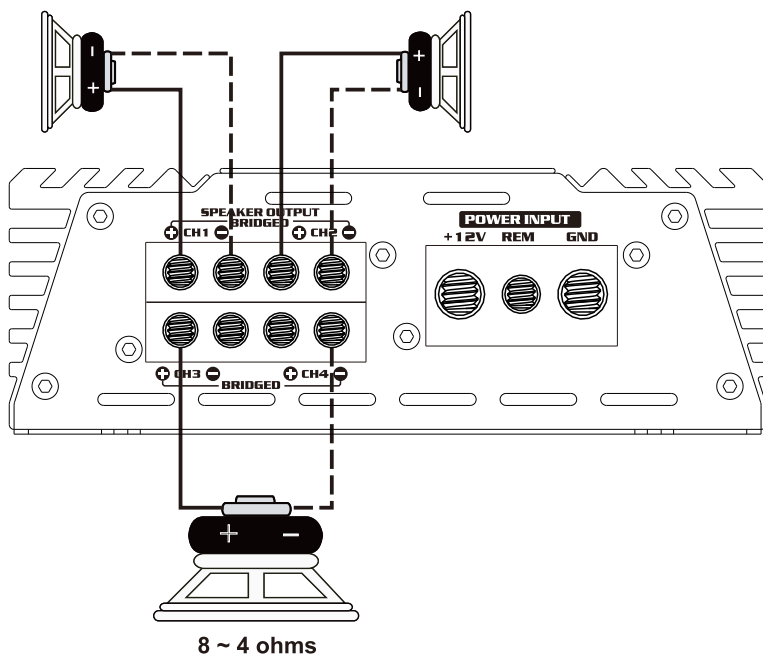
! Caution !!

DAK-300.2AB & DAK-600.2D minimum working impedance is 2ohm
DAK-1000.2D minimum working impedance is 1ohm

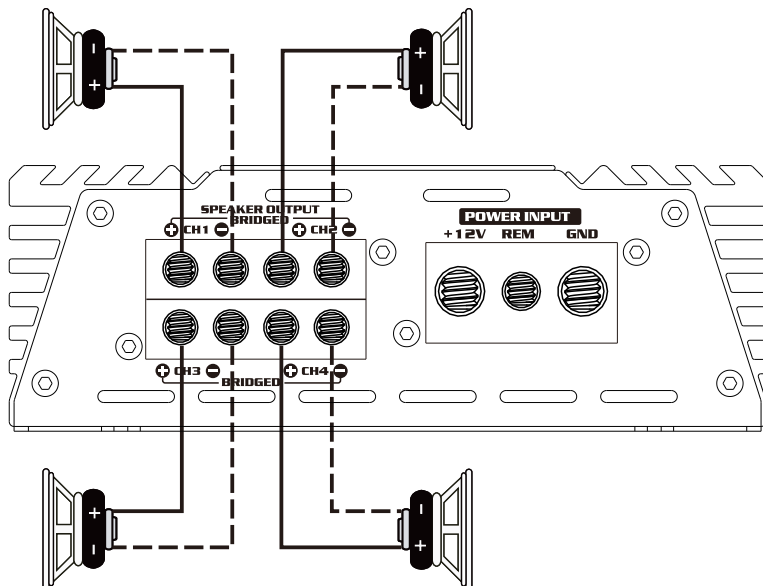
DAK-200.4D RCA INPUT CONNECTION



DAK-200.4D SPEAKER CONNECTION



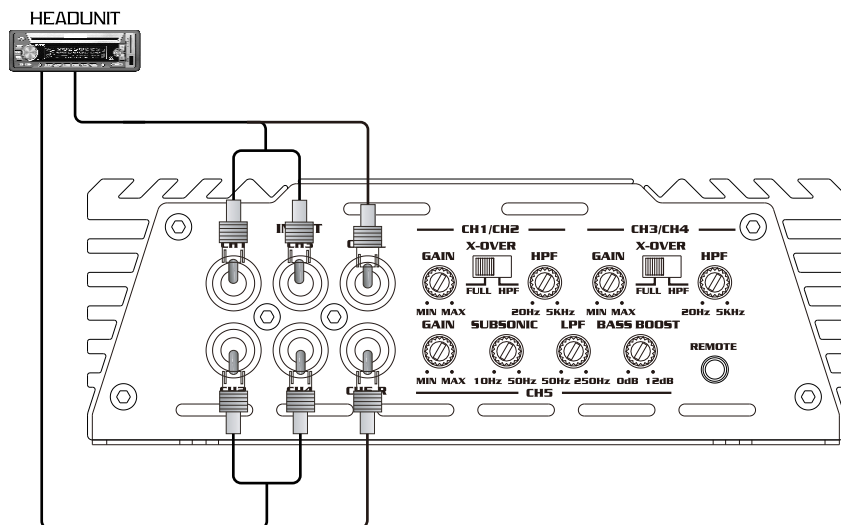
DAK-200.4D SPEAKER CONNECTION



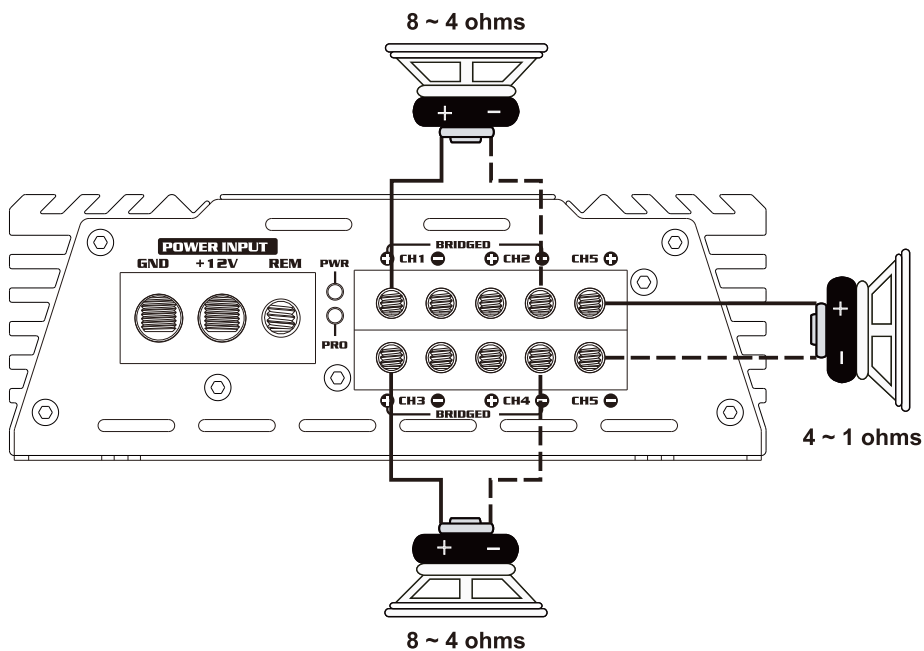
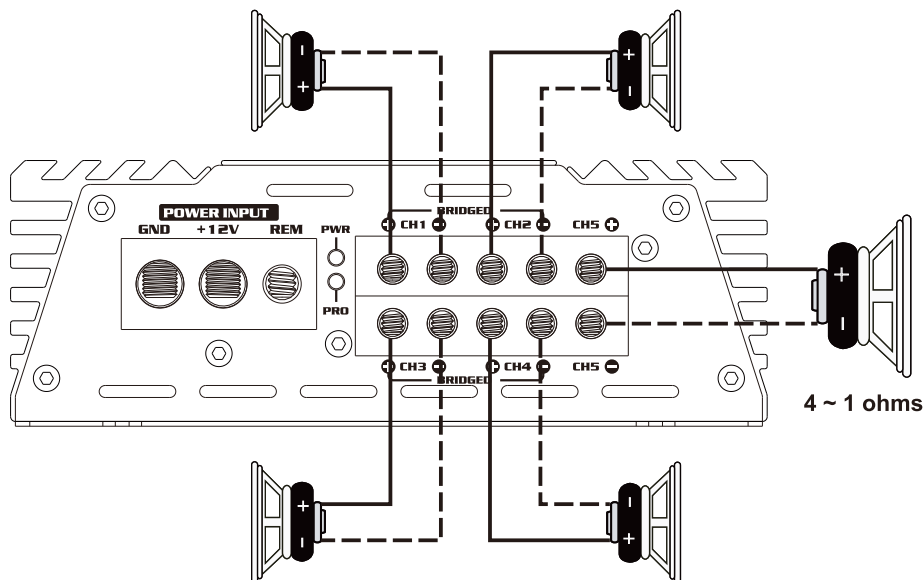
! Caution !!

DAK-200.4D minimum working impedance is 2ohm

DAK-1500.5 RCA INPUT CONNECTION

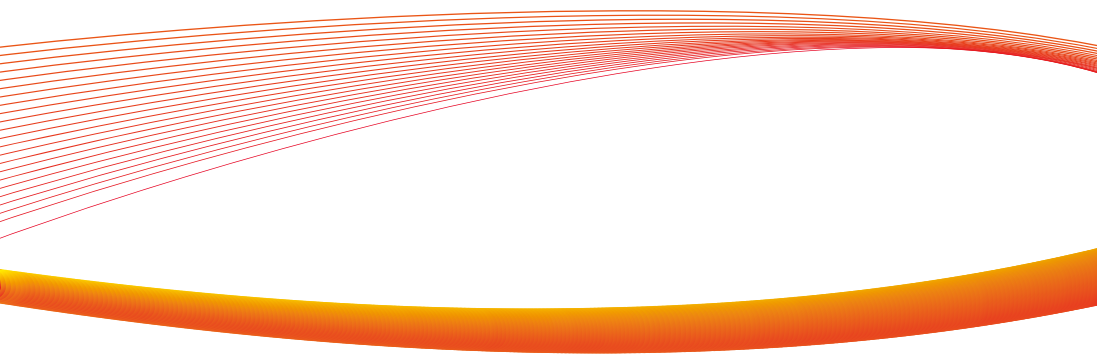


DAK-1500.5 SPEAKER CONNECTION



⚠ Caution !!

DAK-1500.5 minimum working impedance is 2ohm stereo or 4 ohm mono for CH1 ~ CH4 and 1 ohm for CH5



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