

KAPTION AUDIO

Mono Block Amplifier Owner's Manual

570-DZR600X1
570-DZR1200X1



Introduction:

Congratulations on your new purchase of Kaption Audio amplifier. These amplifiers are engineered to reproduce music that is so detailed, you will hear music in a whole new truly superior product.

We always recommend you have these amplifiers installed by an authorized Kaption Audio dealer.

Kaption audio amplifier come with a ONE-YEAR PARTS AND LABOUR LIMITED WARRANTY.

Features:

- 570-DZR600X1 600W Mono Block
- 570-DZR1200X1 1200W Mono Block
- Class D Design
- Compact Design
- High level-In with adapter (570-DZR600X1 model only)
- Wired bass remote control
- Functions with most factory source units.

CAUTION

EXTENDED EXPOSURE TO SOUND PRESSURE LEVELS OVER 100dB MAY RESULT IN TEMPORARY OR PERMANENT HEARING LOSS. EXERCISE CAUTION TO PREVENT DAMAGE TO HEARING.

KAPTION AUDIO ACCEPTS NO LIABILITY FOR ANY DAMAGED OR PERMANENT HEARING LOSS.

WARNING

INVESTIGATE THE LAYOUT OF YOUR AUTOMOBILE THOROUGHLY BEFORE DRILLING OR CUTTING ANY HOLES. USE EXTREME CARE WHEN YOU WORK NEAR THE GAS TANKS, GAS OR HYDRAULIC LINES, AND ELECTRICAL WIRING. ALWAYS MAKE SURE THE AMPLIFIER IS SECURELY MOUNTED. MOUNTING THE AMPLIFIER SECURELY TO THE AUTOMOBILE WILL PREVENT DAMAGE TO THE CAR OR INJURY TO A PERSON, PARTICULARLY IN THE EVENT OF AN ACCIDENT.

PRE- INSTALLATION

Before making or breaking power connections in your system, disconnect the vehicle battery. Confirm that your source unit or other equipment is turned off while connecting the input jacks and speaker terminals.

Use only proper car audio insulated 4ga. (or larger) power cable. The +12Volt power cable must be connected with a in-line fuse within 8in from the positive battery terminal.

If you need to replace the power fuse, replace it only with a fuse identical to that suggested by this manual. Using a fuse of a different type or rating may result in damage to your audio system or your amplifier which is not covered by warranty.

Use only car audio RCA cables, otherwise you may get sound distortion. Keep these cables as short as possible. To avoid distortion from your car electronics, avoid installing the RCA cable close to any existing cables and other electric devices.

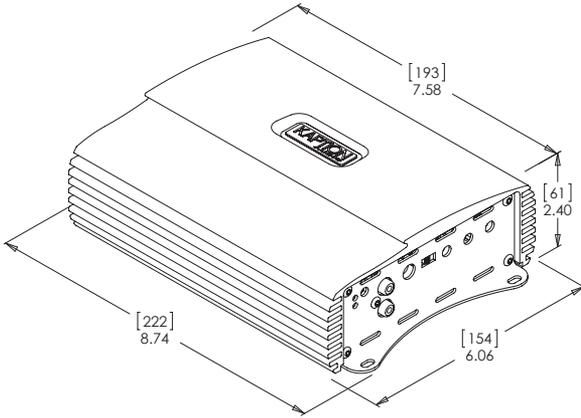
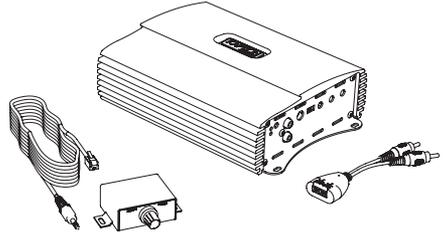
Take care when pulling wires through the vehicle to avoid any damage to the cable or it's insulation. Special care must be taken when installing the cable through metal openings as any crack or split in the cable insulation may cause an electrical short. Don't install cables too tight

The amplifier must be mounted securely at a solid, dry and low vibration surface in the trunk or passenger area. Fix the amplifier in an open air area to insure proper heat dissipation. Fix the amplifier in a place where the amplifier can access easily to set input controllers.

The ground cable should be connected directly with the chassis of your vehicle which should be metal to metal ground point connection.

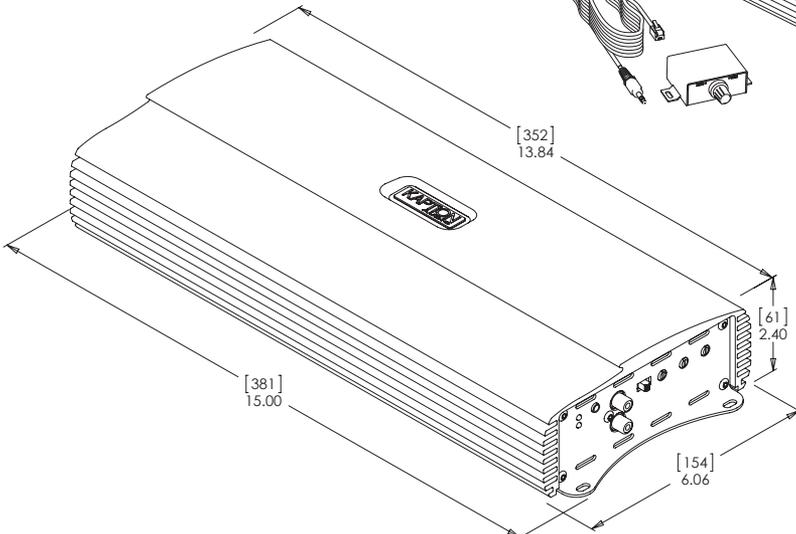
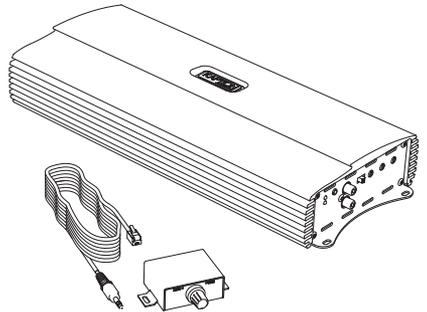
570-DZR600X1 Parts List

- 600w Mono Block Amplifier
- Wired Bass remote control
- High level-In wire adapter
- Hardware pack

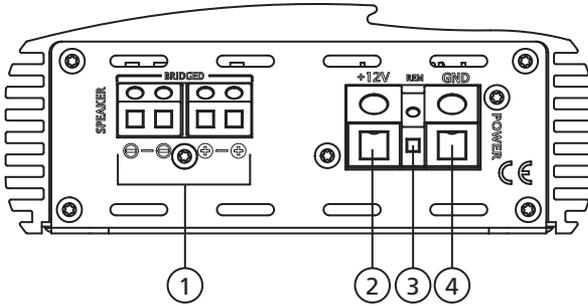


570-DZR1200X1 Parts List

- 1200w Mono Block Amplifier
- Wired Bass remote control
- Hardware pack



Controls and wiring locations



1. **Speaker Terminals**

Terminals outputs to amplifier. See wire diagrams for the type of sub-woofer the amplifier will be connected to.

2. **+12 Volt** Power connection.

The amplifier must be connected to the positive terminal on the vehicle's battery. A fuse must be connected in-line between the amplifier and the battery. See installation instruction for further details.

NOTE: WE DO NOT RECOMMEND THE USE OF CCA (COPPER CLAD ALUMINIUM) WIRE IN CAR AUDIO INSTALLATIONS. ALUMINUM IS CONSIDERABLY LESS CONDUCTIVE THAN PURE COPPER AND CAN OVER HEAT.

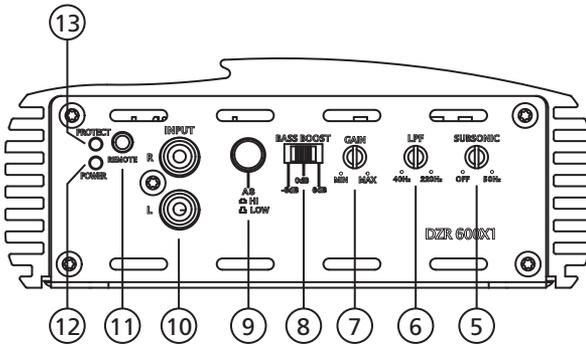
3. **REM** (Remote Turn On)

To turn the amplifier on/off, controlled by the source unit. This terminal must be connected to the source unit's "remote" or "electric antenna" wire or connection. (See connection section)

4. **GND**

The ground wire from this connection must be directly attached to bare metal on the vehicle's frame. The connection point on the frame must be stripped of all paint to make a proper electrical connection. The distance to the ground should be as short as possible and no more than 18".

DO NOT CONNECT THE AMPLIFIER TO
THE VEHICLE'S BATTERY GROUND TERMINAL.



5. **Subsonic** Filter

The **Subsonic** is adjustable to filter out undesirable low frequencies from 10Hz to 50Hz.

6. **LPF** (Low Pass Filter) Control

The **LPF** controls the low pass crossover to select the desired frequency. The frequency can be adjusted from 40Hz to 220Hz.

7. **GAIN** Control

Use the **GAIN** Control to fine-tune the input sensitivity of the amplifier to the source unit's output level. The operating range is from MIN to MAX. This is NOT a volume control!

8. **Bassboost** switch

Bassboost will increase the bass level by -6dB, 0dB & +6dB by setting the switch to the desired position. The boost frequency is centred at 50Hz.

9. **Auto Sensing (AS)** selector switch (570-DZR600X1 model only)

When the AS level switch button is sticking up for "LOW"; the amplifier is set for low level input. The amplifier REM connection is required to Remote Turn-on from the source unit

When the AS level switch button is pushed in for "HI"; the amplifier is set for high level input. Use the High Level In Adapter for the RCA terminals. The Amplifier has a DC OFFSET turn on function for High level input, auto sensing the left channel only. The REM connection to the source unit is not required for high Level input.

10. **RCA Input** Jacks

RCA Input jacks are for use with source units output signal. Source units with an output signal level of minimum 200mV may be used. (See wiring diagrams)

11. **Wired Bass Remote Jack**

Provides a wired remote control to the drivers seated location. The **Bass Remote** controls the amplifier's volume adjustment.

12. **Power** Indicator

The LED indicates the amplifier is functioning properly when the LED is lit.

13. **Protection** Indicator

The LED will light up red and will flash if there is a fault detected by the amplifier. Disconnect the amplifier. Check and fix the connections to resolve the fault condition.

Connections

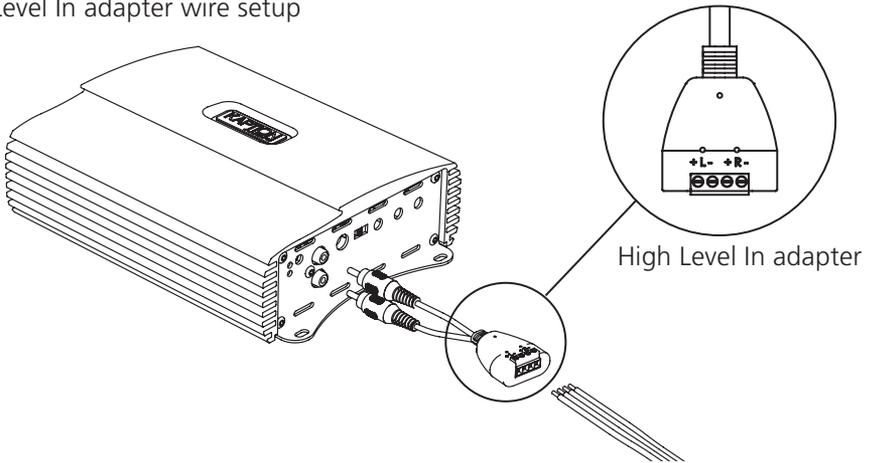
BEFORE CONNECTED ANY PARTS OF THE SPEAKERS, ENSURE THE SPEAKERS ARE NOT ENERGIZED AND THAT ANY INPUT SOURCE IS SWITCHED OFF.

1. **Input** - (Item 10) Be sure to lay the signal wire away from all power cables and vehicle computers. Use high quality twisted pair interconnect cables to decrease the possibility of radiated noise entering the system.

If the source unit is not equipped with RCA outputs, The 570-DZR600X1 amplifier can be connect to the source unit to the high level (speaker connection) by following the high level setup below.

- **LOW LEVEL:** Using RCA Connections (Low level input): If the source unit has RCA outputs, simply attach a signal cable from the source unit to the amplifier's RCA input. On the 570-DZR600X1; Set the AS selector switch on the (item 9) to the "LOW" position.
- **HIGH LEVEL:** The 570-DZR600X1 model amplifier features current sensing technology with the left channel input. The REM (Item 3) wire connection is not required with the AS selector (Item 9) set in the high position.

High Level In adapter wire setup



Use the high level output from the source unit and the HIGH LEVEL-IN ADAPTER supplied with the amplifier. Splice the source unit speaker wires to HIGH LEVEL-IN ADAPTER'S terminal block on the adapter. Be sure to connect the car audio's system (+) wiring to the terminal block (+) and the (-) car audio system to the (-) terminal block for each the LEFT (L) and RIGHT (R). Plug the HIGH LEVEL-IN wire adapter into the amplifier. Set the AS selector switch (item 9) to the "HI" position.

Power Terminals - Please take proper measures during installation to protect the power wires as best you can. For example, when running the power cable from the vehicle's battery through the firewall, use a firewall bushing for protection. Run the power wire through the interior of the vehicle, under the carpet, and to the amplifier. If this is something that you do not feel comfortable doing, please ask a professional to help you. Be sure to lay the power wire away from all signal cables.

- **+12V** (Item 2): This is the main power input for the amplifier and must be connected directly to the positive terminal of the car battery for the amplifier to operate properly. It is important that a main fuse is installed a maximum of 8" from the battery.

Model	570-DZR600X1	570-DZR1200X1
Cable Size	4ga AWG	4 - 2ga AWG
Fuse	60 amps	150 amps

- **REM** (Item 3): This connection turns the amplifier on and off with a low level input. Connect the REM to the source unit's remote-turn-on output. If the source unit does not have a remote-turn-on circuit the amplifier can be connected to +12V using a switch powered from the ignition switched circuit.

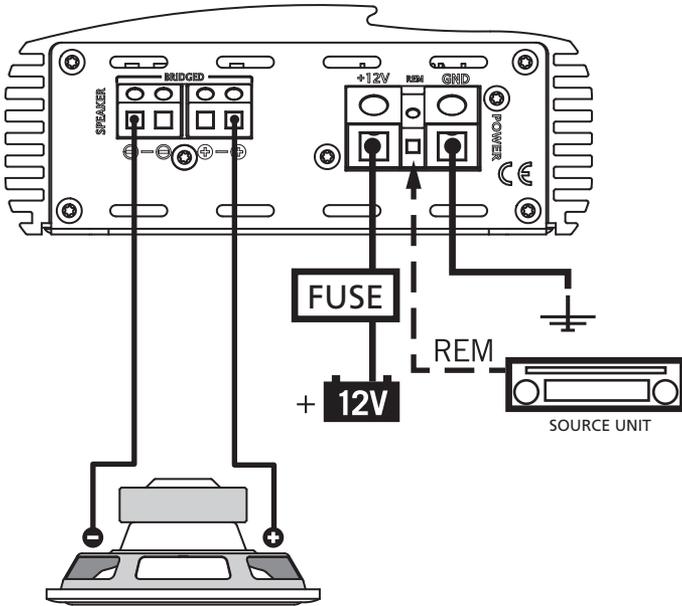
- **GND** (Item 4): This is the ground connection for the amplifier and must be connected directly to the metal chassis of the vehicle for the amplifier to operate properly. A properly grounded amplifier can be run harder and longer than a poorly grounded amplifier. The ground on the amplifier should be as short as possible and be connected directly to the vehicle's metal chassis. Do not connect to factory bolts of ANY kind. When attaching the ground to the chassis, sand all the paint away from the contact point. A grounding block like the Street Wires GT4 should be used whenever possible as this piece of equipment has 5 times the surface area of a normal screw.

The gauge of the power and ground wire is often an overlooked aspect of amplifier installation. The more power the amplifier receives, the more power it will produce. Power cables have a natural resistance, and will lose voltage by the time the power makes its way to the amplifier. The large gauge diameter wire will hold more voltage over longer runs. Also, by having a larger diameter ground wire, the amplifier can run more efficiently. It recommends using a minimum of 4 gauge power and ground cables to get the best performance.

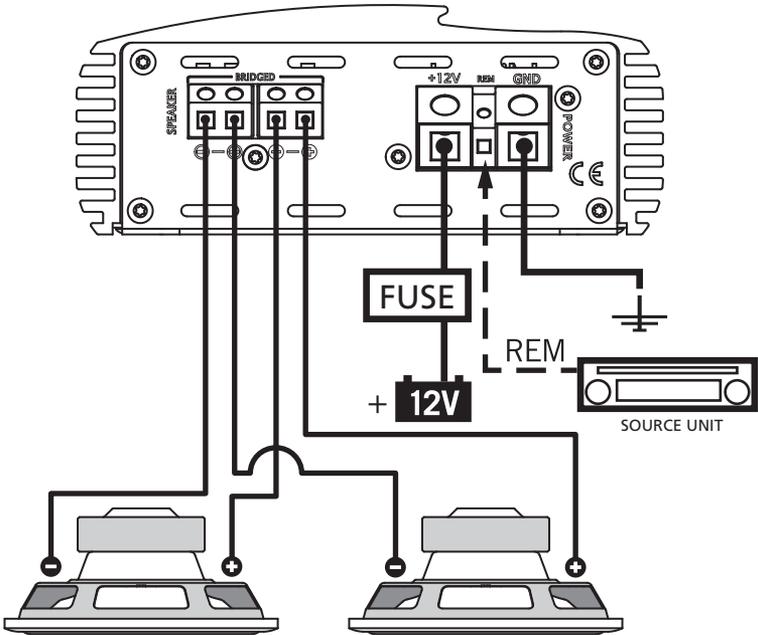
Double check all the previous connection installation steps, in particular the speaker and power wiring. Securely mount the amplifier. If everything is in order, reconnect the vehicle's negative battery connection and begin following the Feature Setup and Adjustments steps.

Speaker wiring diagram

Single Woofer setup



Dual Woofer setup



Troubleshooting Guide

Problem	Causes and solutions
Power indicator is not lit	A. Check +12 volt wire fuse blown and replace if needed
	B. Check remote turn on +12V and GND connections ensure the ground is secured to clean metal on the vehicle chassis.
	C. Source unit not functioning properly
Power indicator is lit / There is no Bass sound	A. Inputs are not properly connected or loose. Check and ensure connections are tight. Both the RCA inputs and the source unit output.
	B. Incorrect amplifier Gain control setting – Check to see if the level is at minimum
Protection light is on	There could be a possible short in the speaker connections. Check for proper connection and ensure there is no bare or uninsulated wire exposed.
	Use a volt /ohm meter to check for possible shorts in the speaker wiring.
	Check the impedance of speakers . If they are too low this may cause the amplifier protection light to come on.
Bass sound is distorted	A. Amplifier gain control is set too high
	B. Amplifier bass control knob is set too high
	C. Bass Level is set too high on head unit

Specifications

Model		570-DZR600X1	570DZR1200X1
Description		600W Mono Block	1200W Mono Block
Continuous Power @ 14.4V	1Ω load	N/A	1800W RMS
	2Ω Load	600W RMS	1000W RMS
	4Ω Load	400W RMS	650W RMS
Features			
Minimum Load		2 Ohm	1 Ohm
Low Input Level		0.2 ~ 5V	
High Input Level		0.4 ~ 10V	N/A
Frequency Response		10Hz ~ 220Hz	
Low Pass Filter		40Hz ~ 220Hz	
Subsonic Filter		10Hz ~ 50Hz	
Bassboost		-6dB / 0dB /+6dB, switchable	
S/N Ratio		> 80dB	
THD+N at 4 Ohm load Rated Power		<0.5%	<0.8%
Low Voltage protection		Yes, protect < 8V	
Overheat Protection		> 80 °C	
High Level-In Function		Yes	No
High Level-In Adapter		Yes	No
Wired Bass Remote		Yes	Yes
External Fuse		60A	150A
Dimensions			
Length		193mm	352mm
Width		154mm	
Height		61mm	
Weight		2.04kg	3.84kg

Specifications subject to change without notice

Limited Warranty Information:

Kaption Audio amplifiers have a one-year limited warranty. This warranty covers the original purchaser of a Kaption Audio speaker, purchased from an authorized Kaption Audio dealer.

In order to receive service, proof of purchase is required stating the customers name, dealer name, product purchased and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced with a product deemed to be equivalent at Kaption Audio's discretion.

What is not covered

1. Any product not purchased from an authorized Kaption Audio dealer.
2. Any expense related to the removal, re-installation or shipment of any Kaption Audio products.
3. Any Kaption Audio product that has been defaced or altered.
4. Subsequent damage to other components.
5. Damage caused by accident, abuse, improper operation, water and theft.
6. Burnt voice coils due to amplifier clipping or distortion.
7. Repeated returns with the same damaged may be considered abuse.

How to obtain service

To obtain service on a Kaption Audio product, Please return product along with original receipt to an authorized Kaption Audio dealer or call 1-866-KAPTION (527-8466)

KAPTION AUDIO

570-DZR600X1

570-DZR1200X1

Warranty registration card



Name: _____

Street: _____

City: _____

Province / State: _____

Country: _____

Postal / Zip code: _____

Phone: _____

Email: _____

Model Number: _____

Serial Number: _____

Authorized

Kaption Audio dealer: _____

Purchase Date: _____

Limited Warranty Information:

KAPTION AUDIO PRODUCTS COME WITH A ONE-YEAR PARTS AND LABOUR LIMITED WARRANTY.

This warranty covers the original purchaser of a Kaption Audio product, purchased from an authorized Kaption Audio dealer. In order to receive service, proof of purchase is required stating the customers name, dealer name, product purchased and date of purchase. Products found to be defective during the warranty period will be repaired or replaced with a product deemed to be equivalent at Kaption Audio's discretion.

Kaption Audio

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