

# WINAUTO



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## User's Manual

Car amplifier Alpine PDX-F4 4-channel

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FOR CAR USE ONLY/POUR APPLICATION AUTOMOBILE UNIQUEMENT/PARA USO EN AUTOMÓVILES



# PDX-F6 PDX-F4

## 4 CHANNEL POWER AMPLIFIER

- **OWNER'S MANUAL**  
Please read this manual to maximize your enjoyment of the outstanding performance and feature capabilities of the equipment, then retain the manual for future reference.
- **MODE D'EMPLOI**  
Veuillez lire ce mode d'emploi pour tirer pleinement profit des excellentes performances et fonctions de cet appareil, et conservez-le pour toute référence future.
- **MANUAL DE OPERACION**  
Lea este manual, por favor, para disfrutar al máximo de las excepcionales prestaciones y posibilidades funcionales que ofrece el equipo, luego guarde el manual para usarlo como referencia en el futuro.

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### Introduction:

Please read this OWNER'S MANUAL thoroughly. ALPINE hope that your new PDX-F6/F4 will give you a lot of pleasure. In case of problems when installing your PDX-F6/F4, please refer to the instructions. **CAUTION: These controls are for tuning your radio only. Do not adjust them.**

<b>WARNING</b>	This symbol means important information. Failure to heed them can result in serious injury.
<b>CAUTION</b>	This symbol means important information. Failure to heed them can result in damage to the product.

- **DO NOT OPERATE ANY FUNCTION THAT REQUIRES YOU TO STOP YOUR VEHICLE.** Any function that requires your vehicle to stop completely. Always stop the vehicle in a safe location before an accident.
- **KEEP THE VOLUME AT A LEVEL WHERE YOU CAN HEAR CLEARLY.** Excessive volume levels that obscure sounds such as horns, sirens, etc.) can be dangerous and may result in an accident. **CAUSE HEARING DAMAGE.**
- **DO NOT DISASSEMBLE OR ALTER.** Doing so may result in fire, electric shock or other injury.
- **USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS ONLY.** result in fire, electric shock or other injury.
- **USE THE CORRECT AMPERE RATING WHEN WIRING.** electric shock.
- **DO NOT BLOCK VENTS OR RADIATOR PANELS.** in fire.
- **MAKE THE CORRECT CONNECTIONS.** Failure to do so may result in fire, etc.
- **USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.** Failure to do so may result in fire, etc.
- **BEFORE WIRING, DISCONNECT THE CABLES.** so may result in electric shock or injury due to short circuit.
- **DO NOT ALLOW CABLES TO BECOME ENTANGLED.** cables in compliance with the manual to prevent them from hanging up on places such as the steering wheel, etc.
- **DO NOT SPLICE INTO ELECTRICAL CABLES.** equipment. Doing so will exceed the current capacity of the equipment.
- **DO NOT DAMAGE PIPE OR WIRING WHEN INSTALLING.** installation, take precautions so as not to contact pipes or wiring. Failure to take such precautions may result in fire, etc.
- **DO NOT USE BOLTS OR NUTS IN THE BRACKET CONNECTIONS.** Bolts or nuts used for the bracket should NEVER be used for installations on the vehicle and cause fire etc.
- **KEEP SMALL OBJECTS SUCH AS BOLTS OR NUTS AWAY FROM THE UNIT.** them may result in serious injury. If swallowed, they may cause serious injury.

- **HALT USE IMMEDIATELY IF A PROBLEM APPEARS.** to the product. Return it to your authorized Alpine dealer.
- **HAVE THE WIRING AND INSTALLATION DONE BY A QUALIFIED TECHNICIAN.** special technical skill and experience. To ensure proper operation, please refer to the instructions to have the work done.
- **USE SPECIFIED ACCESSORY PARTS AND WIRING.** accessory parts. Use of other than designated parts may cause the unit to become inoperative.
- **ARRANGE THE WIRING SO IT IS NOT CRIMPED OR DAMAGED.** cables and wiring away from moving parts (like doors, seats, etc.) to prevent damage to the wiring. If wiring parts are damaged, the wire's insulation from being cut by the metal parts.
- **DO NOT INSTALL IN LOCATIONS WITH HIGH HUMIDITY.** with high incidence of moisture or dust. Moisture may cause fire or failure.

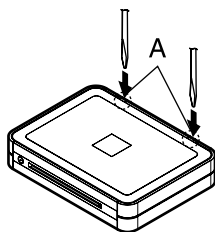
## SERVICE CARE

### ◆ IMPORTANT NOTICE

This Amplifier has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules. This equipment generates and uses radio frequency energy, and it must be installed and used properly in accordance with the manufacturer's instructions.

### ◆ For European Customers

Should you have any questions about warranty, please consult your store of purchase.



- ① Top Cover/  
Couvercle  
supérieur/  
Tapa superior

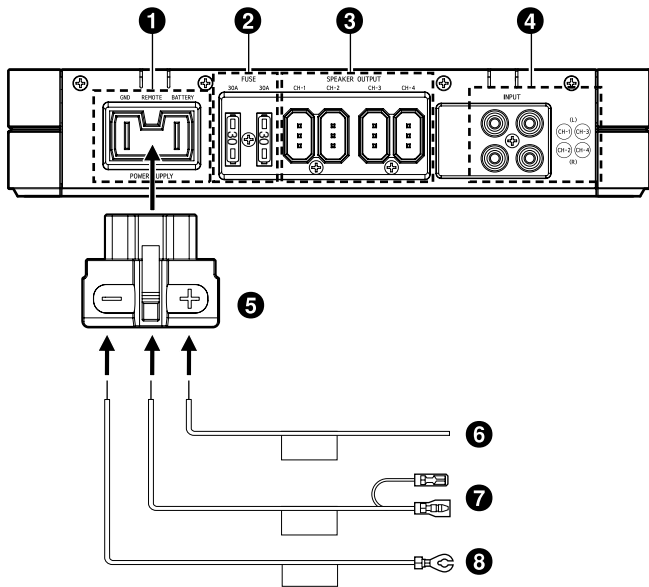
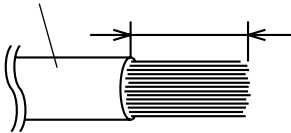


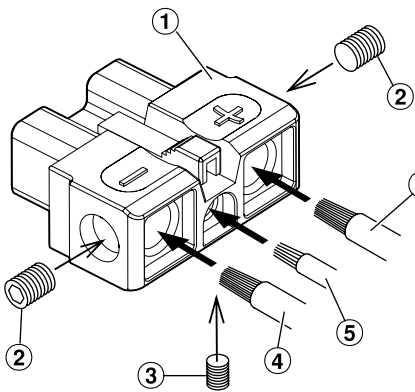
Fig. 5

Wire/Conducteur/Conductor 7-10 mm (9/32" -3/8")



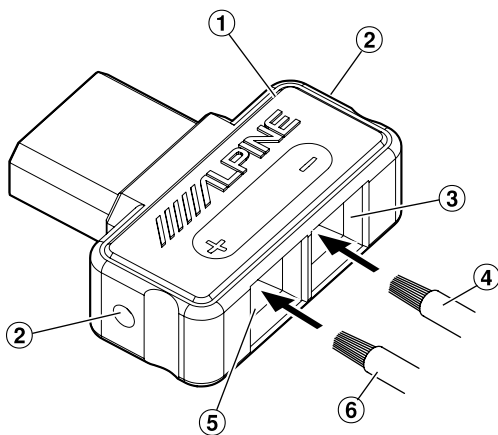
Wire Terminal/Borne de conducteur/  
Terminal del conductor

Fig. 6



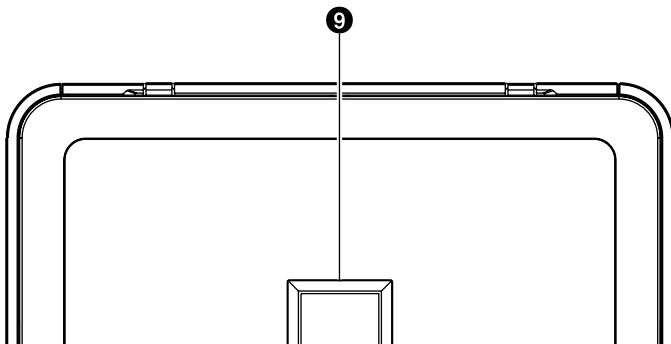
- 1 Battery Connector/Connecteur de la batterie/Conector de batería
- 2 Hexagon screw (Large)/Vis à six pans (grande)/Tornillo hexagonal (grande)
- 3 Hexagon screw (Small)/Vis à six pans (petite)/Tornillo hexagonal (pequeña)
- 4 Ground lead/Conducteur de mise à la terre/Cable de tierra
- 5 Remote turn-on lead/Conducteur de mise sous tension télécommandée/Cable para encendido remoto
- 6 Battery lead/Conducteur de la batterie/Cable de la batería

Fig. 7



- 1 Speaker connector/Connecteur du haut-parleur/Conector de altavoz
- 2 Hex screw hole/Orifice de la vis à six pans/Agujero de tornillo hexagonal
- 3 Negative lead terminal hole/Orifice de la borne du conducteur négatif/Agujero del terminal del conductor negativo
- 4 Speaker wire (negative)/Câble du haut-parleur (négatif)/Cable del altavoz (negativo)
- 5 Positive lead terminal hole/Orifice de la borne du conducteur positif/Agujero del terminal del conductor positivo
- 6 Speaker wire (positive)/Câble du haut-parleur (positif)/Cable del altavoz (positivo)

Fig. 8



## CONNECTIONS (Fig. 5 - Fig. 8)

Before making connections, be sure to turn the power off to the car audio components. Connect the yellow battery lead from the amp directly to the positive (+) terminal of the vehicle's battery. Do not connect this lead to the fuse block.

### ⚠ CAUTION

- ◆ **Caution on connection terminals/parts**
  - Keep electrically conductive objects away from the terminals/parts (power terminals, fuses, speaker output terminals, RCA connectors, etc.). Doing so prevents possible short circuit and damage to the unit.

### To prevent external noise from entering the audio system

- Locate the unit and route the leads at least 10 cm (3/8" - 15/16") away from the car harness.
- Keep the battery power leads as far away from other wires as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for information.
- Your Alpine dealer knows best about noise preventing measures so consult your dealer for further information.

### 1 Power Supply Terminal

### 2 Fuse (30A x 2)

- USE ONLY THE CORRECT AMPERE RATING WHEN REPLACING FUSES. Failure to do so may result in fire or electric shock.

### 3 Speaker Output Terminals

Referring to "Cautions on speaker wire connections", insert the speaker wire into the speaker connector, which is then inserted in the speaker output terminal.

### Notes:

- Fully insert the speaker connector to avoid poor connection, the wire coming loose due to vehicle vibration, etc.
- The speaker connector can be connected either way, regardless of polarity indication.
- Do not connect speaker leads together or to chassis ground.

### 4 RCA Input Jacks

Connect these jacks to the line out leads on your head unit using RCA extension cables (sold separately).

### 5 Battery Connector

Make the Battery, Remote Turn-on and Ground lead connections (as shown) to the Battery Connector. Insert the Remote Turn-on lead into Terminal 1.

### 6 Battery Lead (Yellow, sold separately)

Be sure to add a fuse as close as possible to the battery positive (+) terminal. This fuse will protect your vehicle's electrical system in case of a short circuit. If you need to extend this lead, only use 4AWG-6AWG/13 mm<sup>2</sup> - 21 mm<sup>2</sup> wire gauge) for this connection.

### 7 Remote Turn-On Lead (Blue/White, sold separately)

Connect this lead to the remote turn-on or power antenna (positive trigger, (+) 12V only) lead of your head unit.

### 8 Ground Lead (Black, sold separately)

Connect this lead securely to a clean, bare metal spot on the vehicle's chassis. Verify this point to be a true ground by checking for continuity between that point and the negative (-) terminal of the vehicle's battery. Ground all your audio components to the same point on the chassis to prevent ground loops.

## SWITCH SETTINGS (Fig. 9)

When making adjustments 10-15 below, remove the hex screw (indicated by ★ in the illustration) using the hex wrench (small, supplied), and then open the control cover.

### 9 Power Indicator

Lights up when power is on. Is off when power is off.

### 10, 11 Input Gain Adjustment Control

Set the PDX-F6/F4 input gain to the minimum (4V) position. Using a dynamic CD as a source, increase the head unit volume until the output distorts. Then, reduce the volume step (or until the output is no longer distorted). Now, increase the amplifier gain until the sound from the speakers becomes distorted. Reduce the gain slightly so the sound is no longer distorted to achieve the optimum gain setting.

### 12 Status Indicator

Indication color	Status
Blue	Amplifier circuit is normal.
Red	Amplifier circuit is abnormal. An electrical short has occurred, or supply current is too high.
	Ambient temperature is too high.