

# Pioneer

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CLASS D FOUR-CHANNEL AMPLIFIER  
AMPLIFICATEUR 4 CANAUX CLASSE-D  
AMPLIFICADOR 4 CANALES CLASE D

## GM-DX104

English

Français

Español

Owner's Manual  
Mode d'emploi  
Manual de instrucciones

# Before you start

## Thank you for purchasing this PIONEER product

To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe **WARNINGS** and **CAUTIONS** in this manual. *Please keep the manual in a safe and accessible place for future reference.*



## Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

## Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee for that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## FEDERAL COMMUNICATIONS COMMISSION SUPPLIER'S DECLARATION OF CONFORMITY

Product Name: Class D Four-Channel Amplifier

Model Number: GM-DX104

Responsible Party Name: PIONEER ELECTRONICS (USA) INC.

SERVICE SUPPORT DIVISION

Address: 970 W. 190TH STREET, SUITE 360, TORRANCE, CA 90502, U.S.A.

Phone: 1-800-421-1404

URL: <https://www.pioneerelectronics.com/PUSA/>



## After-sales service for Pioneer products

Please contact the dealer or distributor from where you purchased this unit for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below:

### PLEASE KEEP

#### ONE YEAR LIMITED WARRANTY

(In the U.S. and Canada)

When purchased from an authorized Pioneer dealer in the U.S. or Canada, this product is covered by Pioneer's One Year Limited Warranty. Please visit **[pioneerelectronics.com/warranty](https://www.pioneerelectronics.com/warranty)** to review and download the full terms and conditions of the Limited Warranty, or you can receive a copy by calling **1-800-421-1404** or writing to Customer Support, Pioneer Electronics (USA) Inc., P.O. Box 1720, Long Beach, California 90801 USA.

Please do not ship your unit to the companies at the addresses listed below for repair without advance contact.


#### USA & CANADA

Pioneer Electronics (USA) Inc.  
CUSTOMER SUPPORT DIVISION  
P.O. Box 1760  
Long Beach, CA 90801-1760  
800-421-1404



## Before you start


### If you experience problems

Should this product fail to operate properly, please contact your dealer or nearest authorized Pioneer Service Station. 

### Visit our website

<https://www.pioneerelectronics.com/PUSA/>  
in Canada

<https://www.pioneerelectronics.ca/POCEN/>

- Learn about product updates (such as firmware updates) for your product.
- Register your product to receive notices about product updates and to safeguard purchase details in our files in the event of loss or theft.
- Access owner's manuals, spare parts information, service information, and much more. 

### The Safety of Your Ears is in Your Hands


Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time, your hearing “comfort level” adapts to higher volumes of sound, so what sounds “normal” can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

#### ESTABLISH A SAFE LEVEL:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Once you have established a comfortable sound level, set the dial and leave it there.

#### BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:

- Do not turn up the volume so high that you can't hear what's around you.

- Use caution or temporarily discontinue use in potentially hazardous situations
- Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas. 

### Before connecting/ installing the amplifier


#### WARNING

- Handling the cord on this product or cords associated with accessories sold with the product may expose you to chemicals listed on proposition 65 known to the State of California and other governmental entities to cause cancer and birth defect or other reproductive harm. ***Wash hands after handling.***
- This unit is for vehicles with a 12 V battery and negative grounding. Before installing in recreational vehicles, trucks or buses, check the battery voltage.
- When the fuse of the car which supplies the power to this unit is less than 15 A, supply the power directly to this unit from a battery. In addition, do not connect the speaker to the car stereo for speaker output while using this unit.

If the speaker is connected to the car stereo, since the current consumption of the whole system becomes large, the power must be supplied from a car battery directly.

- When installing this unit, make sure to connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. The ground wire of the one of this unit must be connected to the car separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire, generation of smoke or malfunction.
- Always use a fuse of the rating prescribed. The use of an improper fuse could result in overheating and smoke, damage to the product and injury, including burns.

## Before you start

- Check the connections of the power supply and speakers if the amplifier fuse blows. Determine and resolve the cause, then replace the fuse with an identical equivalent.
- Always install the amplifier on a flat surface. Do not install the amplifier on a surface that is not flat or on a surface with a protrusion. Doing so could result in malfunction.
- When installing the amplifier, do not allow parts such as extra screws to get caught between the amplifier and the automobile. Doing so could cause malfunction.
- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids. The surfaces of the amplifier and any attached speakers may also heat up and cause minor burns.
- In the event of any abnormality, the power supply to the amplifier is cut off to prevent equipment malfunction. If this occurs, switch the system power off and check the power supply and speaker connections. If you are unable to determine the cause, please contact your dealer.
- Always disconnect the negative  $\ominus$  terminal of the battery beforehand to avoid the risk of electric shock or short circuit during installation.
- Do not attempt to disassemble or modify this unit. Doing so may result in fire, electric shock or other malfunction.
- The power indicator will turn off and the amplifier will shut down in the situations outlined below.
  - If the temperature inside the product gets high.
  - If the speaker output terminal and speaker wire are short-circuited.
  - If a DC voltage is applied to the speaker output terminal.
  - If the battery voltage is outside of the use range.
- The amplifier will reduce the power output if the temperature inside the amplifier gets high. If the temperature gets too high, the power indicator will turn off, and the amplifier will shut down. 

### CAUTION

- Always keep the volume low enough to hear outside sounds.
- Extended use of the car stereo while the engine is at rest or idling may exhaust the battery.

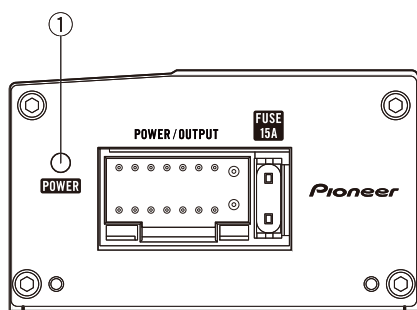
### About the protection function

This product has protection function. When this product detects something abnormal, the following functions will operate to protect the product and speaker output.

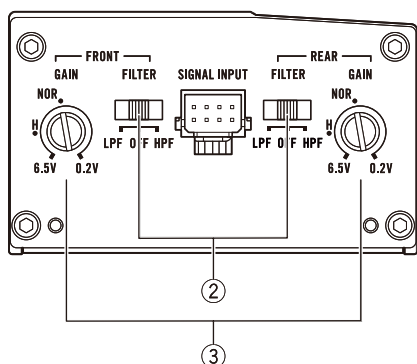
## Setting the unit

### What's what

Right side



Left side



To adjust the switch, use a flathead screwdriver if needed.

#### ① Power indicator

The power indicator lights up to indicate power ON.

#### ② LPF (low-pass filter)/HPF (high-pass filter) select switch

Switch the settings based on the connected speaker.

- When the Subwoofer is connected:  
Select **LPF**. This eliminates high range frequency and outputs low range frequency.

- When the full range speaker is connected:  
Select **HPF** or **OFF**. **HPF** eliminates low range frequency and output high range frequency. **OFF** outputs the entire frequency range.
- Switch the **LPF/HPF** select switches after turning down the volume of the car stereo.

#### ③ GAIN (gain) control

Adjusting gain controls **FRONT** channel and **REAR** channel helps align the car stereo output to the Pioneer amplifier. Default setting is the **NORMAL** position.

If the output remains low, even when the car stereo volume is turned up, turn the controls to a lower level. If distortion occurs when the car stereo volume is turned up, turn these controls to a higher level.

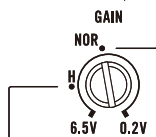
- When using a bridged connection, set the gain controls of the front and rear speakers to the same level.
- For use with an RCA equipped car stereo (standard output of 500 mV), set to the **NORMAL** position. For use with an RCA equipped Pioneer car stereo, with maximum output of 4 V or more, adjust level to match that of the car stereo output.
- For use with an RCA equipped car stereo with output of 4 V, set to the **H** position. ☒

## Setting gain properly

- Protective function included to prevent malfunction of the unit and/or speakers due to excessive output, improper use or improper connection.
- When outputting high volume sound etc., this function cuts off the output for a few seconds as a normal function, but output is restored when the volume of the car stereo is turned down.
- A cut in sound output may indicate improper setting of the gain control. To ensure continuous sound output with the car stereo at a high volume, set amplifier gain control to a level appropriate for the preout maximum output level of the car stereo, so that volume can remain unchanged and to control excess output.
- Despite correct volume and gain settings, the unit sound still cuts out periodically. In such cases, please contact the nearest authorized Pioneer Service Station.

## Gain control of this unit

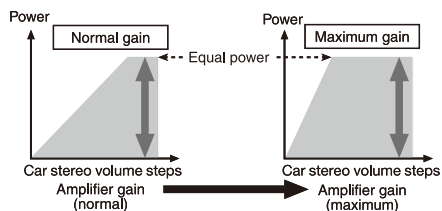
Preout level: 2 V (Standard: 500 mV)



Preout level: 4 V

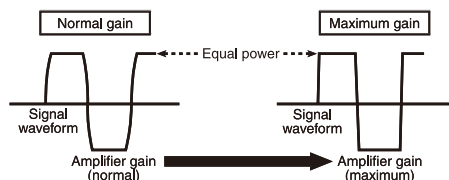
Above illustration shows **NORMAL** gain setting.

## Relationship between amplifier gain and car stereo output power



If amplifier gain is raised improperly, this will simply increase distortion, with little increase in power.

## Signal waveform when outputting at high volume using amplifier gain control



If the signal waveform is distorted due to high output, even if the amplifier gain is raised, the output power will change only slightly. ■

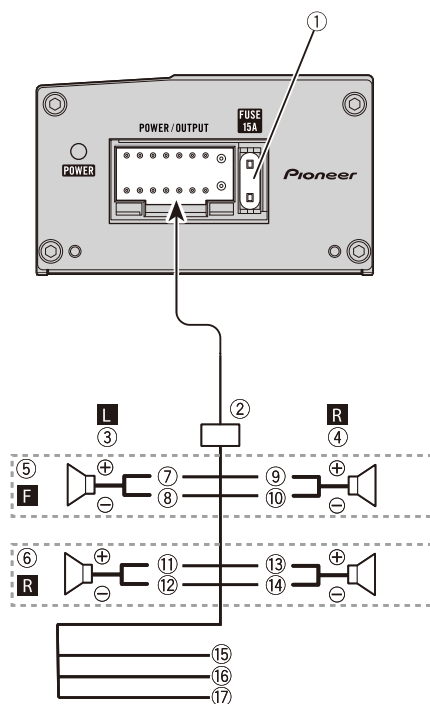
## Connecting the units

### Connection of power cord and speaker



#### CAUTION

Connect the yellow cord to the terminal linked to the fuse unit of the car.



- ① Fuse 15 A × 1
- ② To power cord input
- ③ Left
- ④ Right
- ⑤ Front speaker
- ⑥ Rear speaker
- ⑦ White
- ⑧ White/black
- ⑨ Gray
- ⑩ Gray/black
- ⑪ Green
- ⑫ Green/black
- ⑬ Violet

⑭ Violet/black

⑮ Black (chassis ground)

Connect to a clean, paint-free metal location.

⑯ Yellow

Connect to the constant 12 V supply terminal.

⑰ Blue/white

Connect to system control terminal of the car stereo. ■

### Before connecting the amplifier



#### WARNING

- Secure the wiring with cable clamps or adhesive tape. To protect the wiring, wrap sections in contact with metal parts in adhesive tape.
- Never cut the insulation of the power supply to feed power to other equipment. Current capacity of the wire is limited.



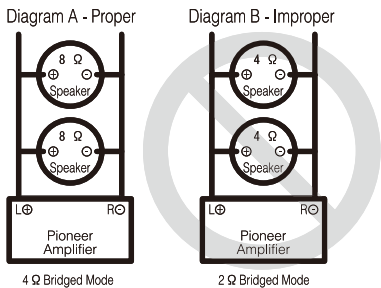
#### CAUTION

- Never shorten any wires, the protection circuit may malfunction.
- Never wire the speaker negative cable directly to ground.
- Never band together multiple speaker's negative cables.
- If the system remote control wire of the amplifier is connected to the power terminal via the ignition switch (12 V DC), the amplifier will remain on with the ignition whether the car stereo is on or off, which may exhaust battery if the engine is at rest or idling.
- Install and route the Power cord, ground wire, speaker wires and the amplifier as far away as possible from the antenna, antenna cable and tuner. ■

The point of connector attachment/detachment

- Push in the connector until a clicking sound, and connect it certainly.
- When you remove the connector, hold the connector portion and pull it. When the cord is pulled, the cord may be pulled out from the connector.▣

About bridged mode



- Do not install or use this amplifier by wiring speakers rated at 4 Ω (or lower) in parallel to achieve a 2 Ω (or lower) bridged mode (Diagram B). Amplifier damage, smoke, and overheating could result from improper bridging. The amplifier surface could also become hot to the touch and minor burns could result. To properly install or use a bridged mode and achieve a 4 Ω load, wire two 8 Ω speakers in parallel with Left ⊕ and Right ⊖ (Diagram A) or use a single 4 Ω speaker. In addition, refer to the speaker instruction manual for information on the correct connection procedure.
- For any further enquiries, contact your local authorized Pioneer dealer or customer service.▣

About suitable specification of speaker

Ensure speakers conform to the following standards, otherwise there is a risk of fire, smoke or damage. Speaker impedance is 2 Ω to 8 Ω, or 4 Ω to 8 Ω for two-channel and other bridge connections.

Subwoofer

Speaker channel	Power
Four-channel output	Nominal input: Min. 45 W
Two-channel output	Nominal input: Min. 90 W
Three-channel Front speaker out	Nominal input: Min. 45 W
Three-channel Rear speaker out	Nominal input: Min. 90 W

Other than subwoofer

Speaker channel	Power
Four-channel output	Max. input: Min. 100 W
Two-channel output	Max. input: Min. 200 W
Three-channel Front speaker out	Max. input: Min. 100 W
Three-channel Rear speaker out	Max. input: Min. 200 W



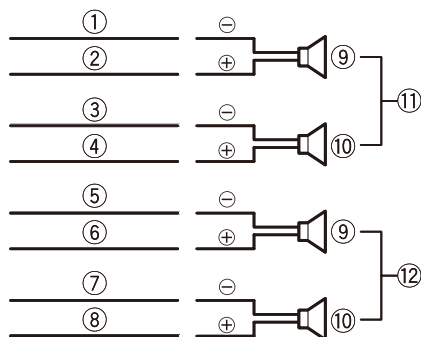
Connecting the speakers

The speaker output mode can be four-channel, three-channel (stereo and mono) or two-channel (stereo or mono). Connect the speaker leads based on the mode and the figures shown below.



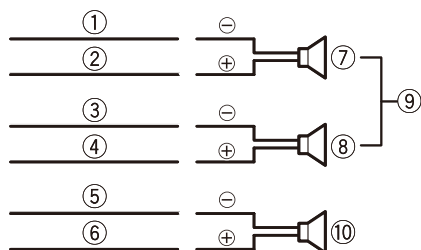
## Connecting the units

### Four-channel output



- ① White/black: Front SP, Left  $\ominus$
- ② White: Front SP, Left  $\oplus$
- ③ Gray/black: Front SP, Right  $\ominus$
- ④ Gray: Front SP, Right  $\oplus$
- ⑤ Green/black: Rear SP, Left  $\ominus$
- ⑥ Green: Rear SP, Left  $\oplus$
- ⑦ Violet/black: Rear SP, Right  $\ominus$
- ⑧ Violet: Rear SP, Right  $\oplus$
- ⑨ Left
- ⑩ Right
- ⑪ Front speaker output
- ⑫ Rear speaker output

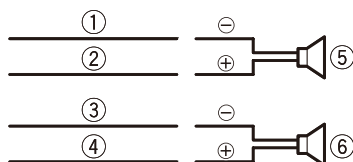
### Three-channel output



- ① White/black: Front SP, Left  $\ominus$
- ② White: Front SP, Left  $\oplus$
- ③ Gray/black: Front SP, Right  $\ominus$
- ④ Gray: Front SP, Right  $\oplus$
- ⑤ Green/black: Rear SP, Left  $\ominus$
- ⑥ Violet: Rear SP, Right  $\oplus$
- ⑦ Left
- ⑧ Right
- ⑨ Front speaker output

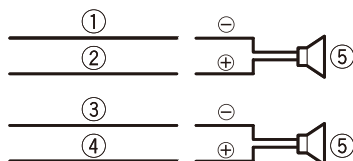
⑩ Rear speaker output (Mono)

### Two-channel output (Stereo)



- ① Green/black: Rear SP, Left  $\ominus$
- ② White: Front SP, Left  $\oplus$
- ③ Gray/black: Front SP, Right  $\ominus$
- ④ Violet: Rear SP, Right  $\oplus$
- ⑤ Speaker (Left)
- ⑥ Speaker (Right)

### Two-channel output (Mono)



- ① Gray/black: Front SP, Right  $\ominus$
- ② White: Front SP, Left  $\oplus$
- ③ Green/black: Rear SP, Left  $\ominus$
- ④ Violet: Rear SP, Right  $\oplus$
- ⑤ Speaker (Mono) ■

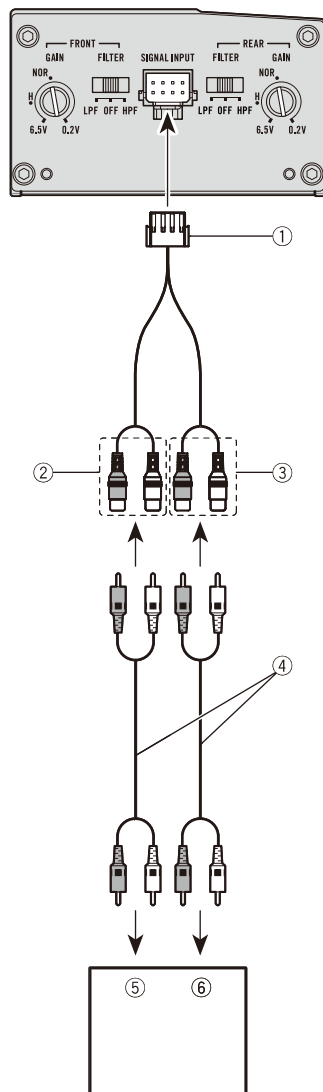
## Connections when using the RCA input jack

Connect the car stereo RCA output jack and the RCA input jack of the amplifier.

- Do not connect the speaker to the car stereo for speaker output while using RCA input jack.

If the speaker is connected to the car stereo, since the current consumption of the whole system becomes large, the power must be supplied from a car battery directly.

### Four-channel / Three-channel input

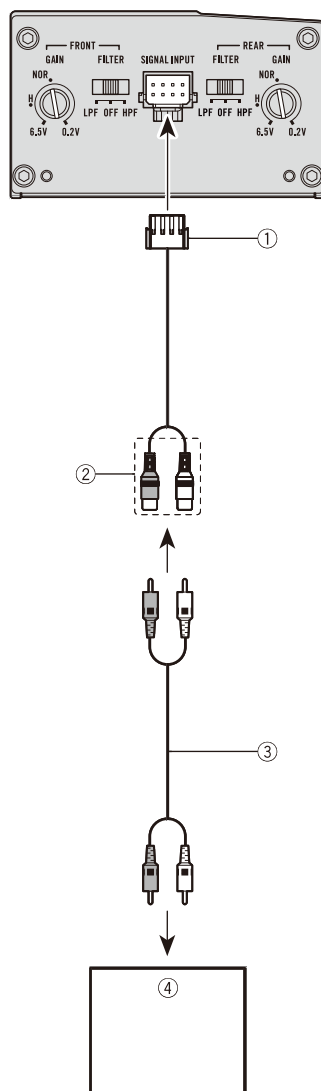


- ① RCA 4 ch input cord  
To signal input terminal of this unit.
- ② RCA front input
- ③ RCA rear input

## Connecting the units

- ④ RCA cables (sold separately)
- ⑤ Car stereo with RCA front output jacks
- ⑥ Car stereo with RCA rear output jacks

### Two-channel input (Stereo) / (Mono)



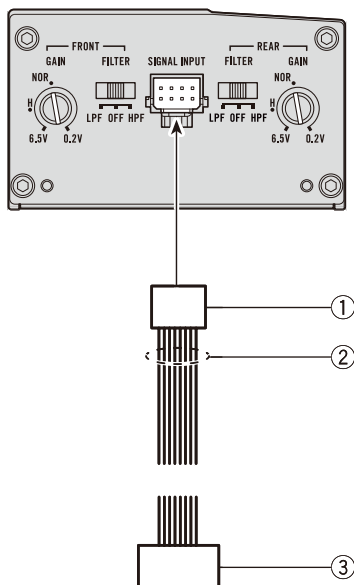
- ① RCA 2 ch input cord  
To signal input terminal of this unit.
- ② RCA input

## Connecting the units

- ③ RCA cable (sold separately)
- ④ Car stereo with RCA output jacks ☐

### Connections when using the speaker input wire

Connect the car stereo speaker output wires to the amplifier using the supplied SP input cord.



- ① SP input cord  
To signal input terminal of this unit.
- ② Speaker cord
  - White/black: Front SP, Left ⊖
  - White: Front SP, Left ⊕
  - Gray/black: Front SP, Right ⊖
  - Gray: Front SP, Right ⊕
  - Green/black: Rear SP, Left ⊖
  - Green: Rear SP, Left ⊕
  - Violet/black: Rear SP, Right ⊖
  - Violet: Rear SP, Right ⊕
- ③ Car Stereo or navigation system

#### Note

If speaker input wires from a car stereo are connected to this amplifier, the amplifier will automatically turn on when the car stereo is turned on. When the car stereo is turned off, the amplifier turns off automatically. This function may not work with some car stereos. In such cases, make sure that the front L channel is connected correctly. If the function still does not work, please use a system remote control wire. If multiple amplifiers are to be connected together synchronously, connect the car stereo and all amplifiers via the system remote control wire. ☐

## Installation


### Before installing the amplifier

#### **! WARNING**

- To ensure proper installation, use the supplied parts in the manner specified. If any parts other than those supplied are used, they may damage internal parts of the amplifier, or become loose causing the amplifier to shut down.
- Do not install in:
  - Places where it could injure the driver or passengers if the vehicle stops suddenly.
  - Places where it may interfere with the driver, such as on the floor in front of the driver's seat.
- Install tapping screws in such a way that the screw tip does not touch any wire. This is important to prevent wires from being cut by vibration of the car, which can result in fire.
- Make sure that wires do not get caught in the sliding mechanism of the seats or touch the legs of a person in the vehicle as short-circuit may result.
- When drilling to install the amplifier, always confirm no parts are behind the panel and protect all cables and important equipment (e.g. fuel/brake lines, wiring) from damage.

#### **! CAUTION**

- To ensure proper heat dissipation of the amplifier, ensure the following during installation:
  - Allow adequate space above the amplifier for proper ventilation.
  - Do not cover the amplifier with a floor mat or carpet.
- Protection function may activate to protect the amplifier against overheating due to installation in locations where sufficient heat cannot be dissipated, continuous use under high-volume conditions, etc. In such cases, the amplifier reduces the power output or shuts down until it has cooled to a certain designated temperature.
- Place all cables away from hot places, such as near the heater outlet.

- The optimal installation location differs depending on the car model. Secure the amplifier at a sufficiently rigid location.
- Check all connections and systems before final installation.
- After installing the amplifier, confirm that the spare tire, jack and tools can be easily removed. 

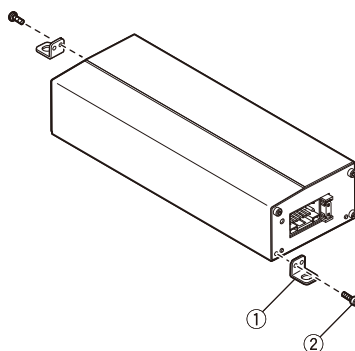
### Example of installation on the floor mat or chassis

#### 1 Place the amplifier in the desired installation location.

Insert the supplied tapping screws (4 mm × 18 mm (1/8 in. × 3/4 in.)) into the screw holes and push on the screws with a screwdriver so they make an imprint where the installation holes are to be located.

#### 2 Remove each one screws of the left and right on a diagonal line from the side bottom of this unit.

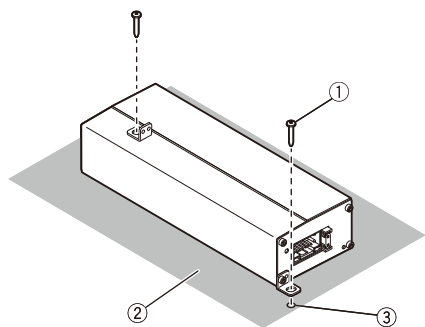
#### 3 Attach the bracket using the removed screws.



- ① Bracket
- ② Screw


#### 4 Drill 2.5 mm (1/8 in.) diameter holes at the imprints either on the carpet or directly on the chassis.

**5 Install the amplifier with the use of supplied tapping screws (4 mm × 18 mm (1/8 in. × 3/4 in.)).**



- ① Tapping-screws (4 mm × 18 mm (1/8 in. × 3/4 in.))
- ② Floor mat or chassis
- ③ Drill a 2.5 mm (1/8 in.) diameter hole.

#### Notes

- Do not install the cords in places where they touch the legs of a person as a disconnection or short-circuit may result.
- Do not install the amplifier in a place where water drop may be attached. 

## Additional information

### Specifications

Power source .....	14.4 V DC (10.5 V to 16.0 V allowable)
Grounding system .....	Negative type
Current consumption .....	15 A (at continuous power, 4 $\Omega$ )
Average current consumption .....	1.6 A (4 $\Omega$ for four channels) 1.6 A (4 $\Omega$ for two channels) 1.6 A (2 $\Omega$ for four channels)
Fuse .....	15 A
Dimensions (W × H × D) ...	181 mm × 38 mm × 64 mm (7-1/8 in. × 1-1/2 in. × 2-1/2 in.)
Weight .....	0.58 kg (1.3 lbs) (Leads for wiring not included)
Maximum power output .....	100 W × 4 (at 14.4 V, 4 $\Omega$ ) / 200 W × 2 (at 14.4 V, 4 $\Omega$ BRIDGE)
Continuous power output ..	45 W × 4 (at 14.4 V, 4 $\Omega$ , 20 Hz to 20 kHz, $\leq$ 1% THD) 90 W × 2 (at 14.4 V, 4 $\Omega$ BRIDGE, 1 kHz, $\leq$ 1% THD) 45 W × 4 (at 14.4 V, 2 $\Omega$ , 1 kHz, $\leq$ 1% THD)
Load impedance .....	4 $\Omega$ (2 $\Omega$ to 8 $\Omega$ allowable)
Frequency response .....	10 Hz to 40 kHz (+0 dB, -3 dB)
Signal-to-noise ratio .....	93 dB (IHF-A network)
Distortion .....	0.05 % (4 W, 1 kHz)
Low pass filter:	
Cut off frequency .....	80 Hz
Cut off slope .....	-12 dB/oct
High pass filter:	
Cut off frequency .....	80 Hz
Cut off slope .....	-12 dB/oct
Gain control:	
RCA .....	200 mV to 6.5 V
Speaker .....	0.8 V to 16 V
Maximum input level / impedance:	
RCA .....	6.5 V / 22 k $\Omega$
Speaker .....	16 V / 22 k $\Omega$

In order to listen to music with Hi-Res sound quality, all components complied with High-Resolution Audio Standard of Japan Audio Society are recommended to use.



The product with this logo is conformed to High-Resolution Audio standard defined by Japan Audio Society. This logo is used under license from Japan Audio Society.

### Notes

- Specifications and the design are subject to modifications without notice.
- The average current consumption is nearly the maximum current consumption by this unit when an audio signal is input. Use this value when working out total current consumption by multiple power amplifiers. ▣

*Register your product at  
Enregistrez votre produit au  
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**<https://www.pioneerelectronics.com/PUSA/>**

*in Canada  
au Canada  
en Canadá*

**<https://www.pioneerelectronics.ca/POCEN/>**

## **PIONEER CORPORATION**

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P.O. Box 1720, Long Beach, CA 90801, U.S.A.  
TEL: (800) 421-1404

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TEL: +32 (0) 3 570 05 11

## **PIONEER ELECTRONICS ASIACENTRE, PTE. LTD.**

No. 2 Jalan Kilang Barat, #04-02, Singapore 159346  
TEL: 65-6378-7777

## **PIONEER ELECTRONICS AUSTRALIA PTY. LTD.**

Unit 13, 153-155 Rooks Road, Vermont, Victoria, 3133 Australia  
TEL: 61-3-9586-6300

## **PIONEER ELECTRONICS DE MÉXICO S.A. DE C.V.**

Avenida Boulevard Manuel Ávila Camacho 118, 12th floor, Lomas de  
Chapultepec neighborhood, Miguel Hidalgo City Hall, México City, 11000  
TEL: 52-55-9178-4270

## **先鋒股份有限公司**

台北市內湖區瑞光路407號8樓  
電話：886-(0)2-2657-3588

## **先鋒電子（香港）有限公司**

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LIMITED WARRANTY**

WARRANTY VALID ONLY IN COUNTRY OF PRODUCT PURCHASE

**WARRANTY**

Pioneer Electronics (USA) Inc. (Pioneer) warrants that Pioneer® Car/Marine Electronics, Speaker, and Accessory Products distributed by Pioneer in the USA and Canada that fail to function properly under normal use due to a manufacturing defect when installed and operated according to the owner's manual will be repaired or replaced with a unit of comparable value, at Pioneer's option, without charge to you for parts or actual repair work. Replacement units and/or parts supplied under this warranty may be new or rebuilt at Pioneer's option.

This Limited Warranty applies to the original or any subsequent owner of this Pioneer product during the warranty period provided the product was purchased from an authorized Pioneer dealer in the USA or Canada. **You will be required to provide a sales receipt or other valid proof of purchase showing the date of original purchase. If service is required, you must provide notice (see "To Obtain Service" below) within the warranty period and deliver the product, transportation prepaid, from within the country of purchase no later than 14 days after you provide notice. You will be responsible for removal and installation of the product.** Pioneer will pay to return the repaired or replacement product to you within the country of purchase.

PRODUCT WARRANTY PERIOD (Runs from date of product delivery from first retail sale)	Parts	Labor
Car/Marine Electronics, Speakers, and Accessories (excluding Blind Spot Detection System).....	1 Year	1 Year
Blind Spot Detection System .....	3 Years	3 Years

**WHAT IS NOT COVERED**

This Limited Warranty applies to Pioneer products that are purchased from an authorized Pioneer dealer. **IF THIS PRODUCT WAS PURCHASED FROM ANY OTHER SOURCE, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND THIS PRODUCT IS SOLD STRICTLY "AS IS" AND "WITH ALL FAULTS."** PIONEER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL AND/OR INCIDENTAL DAMAGES. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Pioneer does not warrant any product listed above when it is used in a trade or business or in any industrial or commercial application. This warranty does not apply if the product has been subjected to power in excess of its published power rating. This warranty does not cover cosmetic scratches or any other appearance item; damage or defects resulting from alterations or modifications not authorized in writing by Pioneer; accident, collisions, misuse or abuse; the use of unauthorized parts or labor; improper installation or maintenance; lightning or power surges; subsequent damage from leaking; damage from inoperative batteries; or the use of batteries not conforming to those specified in the owner's manual. This warranty does not cover the cost of parts or labor that would otherwise be provided without charge under this warranty obtained from any source other than Pioneer. Altered, defaced, or removed serial numbers void this warranty.

**NO OTHER WARRANTIES**

TO THE FULLEST EXTENT PERMITTED BY LAW, PIONEER MAKES NO REPRESENTATIONS OR WARRANTIES OR ACCEPTS ANY CONDITIONS WITH RESPECT TO THIS PRODUCT EXCEPT AS STATED IN THIS DOCUMENT. PIONEER LIMITS ITS OBLIGATIONS UNDER ANY IMPLIED WARRANTIES AND CONDITIONS INCLUDING, BUT NOT LIMITED TO, WARRANTIES AND CONDITIONS, WHETHER EXPRESS OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO A PERIOD NOT TO EXCEED THE WARRANTY PERIOD. NO WARRANTIES OR CONDITIONS SHALL APPLY AFTER THE WARRANTY PERIOD. Some states and provinces do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province. To the extent any provision of this limited warranty is deemed invalid or unenforceable under applicable law, such determination will have no effect on the remaining provisions, which will continue in full force and effect.

**TO OBTAIN SERVICE**

In the USA or Canada, to receive warranty service, you need to present your sales receipt showing place and date of original owner's transaction. **Please contact one of the following to obtain service:**

Your Authorized Pioneer Dealer may repair or replace your unit or refer you to an Authorized Pioneer Service Company. Your sales receipt should list the contact information (phone number, fax, email, etc.) for your Dealer.

Pioneer Customer Support can advise you regarding the optimal service option for your product model and geographic location. Please call us at **1-800-421-1404** or visit <https://usa.pioneer> (for USA) or <https://www.pioneerelectronics.ca> (for Canada), click on "Support," then select "Contact Us." Your Authorized Pioneer Service Company can perform repairs for most Car/Marine Electronics, Speaker and Accessory products and advise other options as applicable. Please visit <https://usa.pioneer> (for USA) or <https://www.pioneerelectronics.ca> (for Canada), click on "Support," and select "Find a Service Center."

**Shipping Your Unit for Service** – YOU MUST FIRST CONTACT PIONEER TO GET RETURN AUTHORIZATION. PLEASE DO NOT SEND IN YOUR PRODUCT WITHOUT CONTACTING CUSTOMER SUPPORT. If you have a return authorization number, please package the product carefully and send it transportation prepaid by a traceable, insured method to an Authorized Pioneer Service Company or Pioneer. Use adequate padding material to prevent damage in transit. Include your name, address and a telephone number where you can be reached during business hours.

For questions about your product, please contact Pioneer Customer Support as described above or write to us at:

**Customer Support, Pioneer Electronics (USA) Inc.  
P.O. Box 1720, Long Beach, California 90801 USA  
1-800-421-1404**

**DISPUTE RESOLUTION**

Following our response to any initial request to Customer Support, should a dispute arise between you and Pioneer, Pioneer makes available its Complaint Resolution Program to resolve the dispute. The Complaint Resolution Program is available to you without charge. In the USA, you are required to use the Complaint Resolution Program before you exercise any rights under, or seek any remedies, created by the Magnuson-Moss Warranty Act but may be entitled to file suit under state law without using the Complaint Resolution Program. To use the Complaint Resolution Program, call 1-800-421-1404 and explain to the customer service representative the problem you are experiencing, steps you have taken to have the product repaired during the warranty period, and the name of the authorized Pioneer dealer from which the Pioneer product was purchased. After the complaint has been explained to the representative, a resolution number will be issued. Within forty (40) days of receiving your complaint, Pioneer will investigate the dispute and will either: (1) respond to your complaint in writing informing you what action Pioneer will take, and in what time period, to resolve the dispute; or (2) respond to your complaint in writing informing you why Pioneer will not take any action.

KEEP THIS INFORMATION AND YOUR SALES RECEIPT IN A SAFE PLACE

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Delivery Date \_\_\_\_\_

Purchased From \_\_\_\_\_

UCC0623



PIONEER ELECTRONICS (USA) INC.

## GARANTIE LIMITÉE

GARANTIE VALIDE UNIQUEMENT DANS LE PAYS D'ACHAT DU PRODUIT

### GARANTIE

Pioneer Electronics (USA) Inc. (ci-après « Pioneer ») garantit que les appareils électroniques, haut-parleurs et accessoires automobiles/marins Pioneer® distribués par Pioneer aux États-Unis et au Canada, s'ils sont installés et utilisés conformément au manuel de l'utilisateur et ne fonctionnent pas correctement dans des conditions normales d'utilisation en raison d'un défaut de fabrication, seront réparés ou remplacés par un appareil de valeur comparable, à la discrétion de Pioneer, sans frais de pièces ou de réparation. Les appareils de remplacement et/ou pièces fournies en vertu de cette garantie peuvent être neufs ou remis à neuf, à la discrétion de Pioneer.

Cette garantie limitée s'applique au propriétaire initial ou à tout propriétaire ultérieur de ce produit Pioneer pendant la période de garantie, sous réserve que le produit ait été acheté d'un détaillant Pioneer autorisé aux États-Unis ou au Canada. **Vous devrez fournir un reçu de caisse ou autre preuve d'achat valide indiquant la date de l'achat initial. Si une réparation s'avère nécessaire, vous devrez aviser (voir « DEMANDE DE SERVICE ») à l'intérieur de la période de garantie, et expédier le produit, frais de port prépayés, depuis le pays de l'achat, dans les 14 jours suivant ce même avis. Vous serez responsable du retrait et de l'installation du produit.** Pioneer paiera les frais de retour du produit réparé ou de remplacement, à l'intérieur du pays d'achat.

**PÉRIODE DE GARANTIE DU PRODUIT (effective à compter de la livraison de la vente au détail initiale)**

Appareils électroniques, haut-parleurs et accessoires automobiles/marins .....  
Systèmes de détection d'angles morts .....

**Pièces Main d'œuvre**

1 an 1 an  
3 ans 3 ans

### ÉLÉMENTS NON COUVERTS PAR LA GARANTIE

Cette garantie limitée s'applique aux produits Pioneer achetés d'un détaillant Pioneer autorisé. **SI CE PRODUIT A ÉTÉ ACHETÉ DE TOUTE AUTRE SOURCE, IL N'Y A PAS DE GARANTIES, EXPLICITES OU IMPLICITES, Y COMPRIS LES GARANTIES IMPLICITES DE QUALITÉ MARCHANDE ET GARANTIES IMPLICITES D'ADAPTATION À UN USAGE PARTICULIER, ET CE PRODUIT EST VENDU « TEL QUEL » ET « AVEC TOUS SES DÉFAUTS ».** PIONEER NE SERA RESPONSABLE D'AUCUN DOMMAGE CONSÉCUTIF ET/OU ACCESSOIRE. Certains États et certaines provinces n'autorisent pas l'exclusion ou la limitation des dommages consécutifs ou indirects, par conséquent, la limitation ou l'exclusion indiquée plus haut peut ne pas s'appliquer à vous.

Pioneer ne garantit aucun des produits énumérés ci-dessus s'ils sont utilisés à des fins commerciales ou professionnelles, ou dans toute application industrielle ou commerciale. Cette garantie ne s'applique pas si le produit a été soumis à une puissance nominale excédant celle indiquée dans les documents s'y appliquant. Cette garantie ne couvre pas les rayures ou tout autre élément esthétique ; les dommages ou défauts résultant de retouches ou modifications non autorisées par écrit par Pioneer ; les accidents, collisions, usages inappropriés ou abusifs ; l'utilisation non autorisée de pièces ou de main-d'œuvre ; l'installation ou la maintenance inadéquate ; les dommages causés par la foudre ou la surtension ; les dommages découlant de fuites ; les dommages découlant de piles défectueuses ; ou l'utilisation de piles non conformes à celles spécifiées dans le manuel de l'utilisateur. Cette garantie ne couvre pas le coût des pièces ou de la main-d'œuvre qui seraient autrement offertes sans frais en vertu de la présente garantie, si elles sont obtenues auprès d'une source autre que Pioneer. Les numéros de série modifiés, oblitérés ou enlevés annulent cette garantie.

### INVALIDITÉ DE TOUTES AUTRES GARANTIES

DANS TOUTE LA MESURE AUTORISÉE PAR LA LOI, SAUF DISPOSITION CONTRAIRE DANS LE PRÉSENT DOCUMENT, PIONEER NE FAIT AUCUNE REPRÉSENTATION ET N'OFFRE AUCUNE GARANTIE, NI N'ACCEPTE AUCUNE CONDITION CONCERNANT CE PRODUIT. PIONEER LIMITE SES OBLIGATIONS EN VERTU DE TOUTES GARANTIES ET CONDITIONS IMPLICITES, Y COMPRIS, MAIS SANS S'Y LIMITER, LES GARANTIES ET CONDITIONS, EXPRESSES OU IMPLICITES, DE COMMERCIALITÉ ET D'ADAPTATION À UN USAGE PARTICULIER, À UNE PÉRIODE N'EXCÉDANT PAS LA PÉRIODE DE GARANTIE. AUCUNE GARANTIE OU CONDITION NE S'APPLIQUERA APRÈS LA PÉRIODE DE GARANTIE. Certains États et certaines provinces n'autorisent pas les limitations sur la durée d'une garantie implicite. Par conséquent, il se pourrait que certaines des limitations ou exclusions précitées ne s'appliquent pas à vous. Cette garantie vous confère des droits spécifiques légaux, mais vous pouvez bénéficier d'autres droits qui peuvent varier selon les États ou les provinces. Dans la mesure où toute disposition de cette garantie limitée est considérée comme invalide ou inexécutable en vertu du droit applicable, elle sera sans effet sur les autres dispositions, qui resteront pleinement en vigueur.

### DEMANDE DE SERVICE

Aux États-Unis et au Canada, pour recevoir un service de garantie vous devez présenter votre reçu de caisse indiquant le lieu et la date de la transaction d'origine.

**Pour toute demande de service, veuillez contacter :**

Votre détaillant Pioneer autorisé peut réparer ou remplacer votre appareil ou vous mettre en contact avec une entreprise de services Pioneer autorisée.

Vous devriez trouver les coordonnées (numéro de téléphone, numéro de télécopieur, adresse de courriel, etc.) de votre détaillant sur votre reçu de caisse.

Support à la clientèle Pioneer peut vous conseiller sur le choix de l'option de service optimal pour votre modèle et votre région géographique. Appelez-nous au **1-800-421-1404** ou visitez notre site Web à <https://usa.pioneer> (pour les États-Unis) ou <https://www.pioneerelectronics.ca> (pour le Canada), cliquez sur « Soutien », puis sélectionnez « Contactez-nous ».

Votre entreprise de services Pioneer autorisée peut effectuer des réparations pour la plupart des produits électroniques automobiles/marins, des haut-parleurs et des accessoires et peut vous conseiller sur le choix d'autres options, selon le cas. Visitez <https://usa.pioneer> (pour les États-Unis) ou <https://www.pioneerelectronics.ca> (pour le Canada), cliquez sur « Soutien », puis sélectionnez « Trouver un Centre de service ».

**Expédition de votre appareil aux fins de service — VOUS DEVEZ D'ABORD CONTACTER PIONEER POUR OBTENIR UNE AUTORISATION DE RETOUR. VEUILLEZ NE PAS ENVOYER VOTRE PRODUIT SANS AVOIR D'ABORD CONTACTÉ LE SERVICE À LA CLIENTÈLE.** Si vous avez un numéro d'autorisation de retour, veuillez emballer le produit soigneusement et l'envoyer, frais de port prépayés avec un service d'expédition traçable et assurable, à une société de services Pioneer autorisée ou à Pioneer. Utilisez des matériaux d'emballage coussinés adéquats pour éviter les dommages pendant le transport. Incluez votre nom, votre adresse et un numéro de téléphone où nous pouvons vous joindre pendant les heures de bureau.

Pour toute question concernant votre produit, veuillez contacter le soutien à la clientèle Pioneer comme décrit ci-dessus ou écrivez-nous à :

**Customer Support, Pioneer Electronics (USA) Inc., P.O. Box 1720, Long Beach, California 90801 USA • 1-800-421-1404**

### RÈGLEMENT DES CONFLITS

Dans le cas d'un conflit entre vous et Pioneer après notre réponse à votre demande initiale adressée service à la clientèle (Customer Support), Pioneer met à votre disposition son Programme de résolution des plaintes pour résoudre le conflit. Le Programme de résolution des plaintes est disponible sans frais. Aux États-Unis, vous êtes tenu de recourir au Programme de règlement des plaintes avant d'exercer vos droits ou d'exiger réparation en vertu de la loi sur la garantie « Magnuson-Moss Warranty Act », mais vous êtes en droit d'engager une action en justice en vertu des lois de l'État sans passer par le Programme de résolution des plaintes. Pour avoir recours au Programme de résolution des plaintes, composez le 1-800-421-1404 et décrivez au représentant du service à la clientèle le problème que vous rencontrez et les démarches que vous avez entreprises pour faire réparer le produit pendant la période de garantie, et donnez-lui le nom du détaillant Pioneer autorisé auprès duquel vous vous êtes procuré le produit Pioneer. Une fois que votre plainte a été expliquée au représentant, un numéro de résolution vous sera communiqué. Pioneer étudiera le conflit et, dans un délai de quarante (40) jours après la réception de votre plainte, (1) répondra à votre plainte par écrit pour vous aviser des démarches qu'elle entreprendra pour résoudre le conflit, et indiquera combien de temps ces démarches prendront ; ou (2) répondra à votre plainte par écrit pour vous indiquer les raisons pour lesquelles Pioneer n'entreprendra aucune démarche.

CONSERVEZ CES INFORMATIONS ET VOTRE REÇU DE CAISSE DANS UN ENDROIT SÛR

No. de Modèle \_\_\_\_\_ No. de série \_\_\_\_\_ Date de livraison \_\_\_\_\_

Acheté de \_\_\_\_\_

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