



**NAM1610**  
User Manual



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**7" 2-DIN AV RECEIVER**

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# YOU AV RECEIVER

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## Dear customer

Congratulations on purchasing our Nakamichi mobile system product for your sound system.

This product has been designed and manufactured to Nakamichi's exacting standards to ensure many years of audio enjoyment. For the best performance, we recommend that you have your Nakamichi product installed by an authorized Nakamichi dealer.

If you would like to install this product on your own, we recommend for you to go through this manual to familiarize yourself with all the installation requirements and procedures.

If you encounter any issues or if you have any questions on the operation of this product, please contact your nearest authorized Nakamichi dealer for assistance, or you may also contact us through our website or social media channels.

## Installation Of Your Product

In today's modern vehicles, it is very easy to cause damage to existing systems through improper installation. Please follow and scrutinize all wiring diagrams to ensure that you have connected everything in its proper place. If you find yourself uncomfortable or unfamiliar with understanding the wiring and installation diagrams or testing instructions, do contact your nearest Nakamichi dealer to perform the installation for you.

## Safety Warnings And Considerations (For Amplifier /DSP/Active Woofer)

- Clean only with a dry cloth or other similar materials.
- Install your product in a dry, well-ventilated location that does not interfere with your vehicle's safety equipment.
- Do not block any ventilation openings when installing this product.
- Do not mount the product in the engine compartment of your vehicle or in any areas of extreme heat such as mufflers, silencers, exhaust pipes
- Or other heat producing apparatus.  
Securely mount the product so that it does not come loose in the event of a collision or as a result of repeated vibrations that might occur
- During normal operation.  
Installation of the apparatus must be done with great care to prevent damage to your vehicle's fuel lines, power, and other electrical wiring, Hydraulic brake lines, and other systems. If possible always visit your
- Nearest Nakamichi dealer to perform the installation.  
Do not run any wiring outside or underneath the vehicle. Keep all wires inside the vehicle.

# YOU AV RECEIVER

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- Take the necessary precautions when making connections to the vehicle's battery to avoid any potential shock.
- Protect all system wires from sharp edges by carefully routing them, always use rubber grommets to protect wiring and cables whenever you are installing them through metal openings.
- Secure all wiring using cable ties or wire clamps to protect them from moving parts and sharp edges.
- This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, shall be placed on the apparatus.
- Refer all servicing to qualified service personnel. Servicing is required When the apparatus has been damaged in any way, such as the power input terminals are damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Fuses shall be replaced only with the correct type and fuse value, and only when the apparatus is powered off.
- Exposure to high sound pressure levels may lead to permanent hearing loss. Take every precaution to protect your hearing.
- This product is designed specifically for use with 12 volt, negative-Ground electrical systems only. Using this product in systems with positive ground and/or voltages other than 12V may result in damage to the product and your system.

## Warranty Considerations

Nakamichi warrants this product to be free of defects in materials and workmanship for a period stated by your country's authorized Nakamichi distributor. This warranty is not transferable and applies only to the original owner who has purchased from an authorized Nakamichi dealer.

Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, Nakamichi will (at its discretion), Repair or replace the defective product with new or remanufactured product at no charge. Damage caused by the following is not covered under warranty: accident, misuse, abuse, product modification or neglect, failure to follow installation instructions, unauthorized repair attempts, misrepresentations by the seller.

This warranty does not cover incidental or consequential damages and does not cover the cost of removing or reinstalling the unit(s). Cosmetic damage due to accident or normal wear and tear is not covered under warranty.

Warranty is void if the product's serial number has been removed or defaced.

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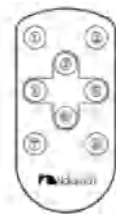
# INTRODUCTION OF TOUCH KEY FUNCTION

## Accessory List





1. Power cable -----1 PC
2. Remote controller -----1 PC
3. User manual -----1 PC
4. Metal Card holder----- 1 PC



1. TF CARD:Files can be read from TF Card
2. Volume key: Press to up the volume
3. Volume key:Press to down the volume
4. Power key: Short Press: Mute, Long Press: Power off
5. Home menu: Press to enter the main menu
6. Return key: Press to return to the previous page.
7. USB: Insert your compatible USB device here.



# INTRODUCTION TO KEY FUNCTION OF REMOTE CONTROLLER

Serial	Name	Operational Functions
1		Mute unit or cancel mute.
2		On / off
3	<b>VOL+</b>	Press to increase volume, long press increases volume continuously.
4		Radio - Switch to the previous radio preset. USB/SD/Bluetooth Music - Switch to the previous track
5		Radio - Switch to the next radio preset. USB/SD/Bluetooth Music - Switch to the next track.
6	<b>VOL-</b>	Press to decrease volume, long press decreases volume continuously.
7	<b>SRC</b>	Switch modes.
8	<b>AUDIO</b>	Select left, right, or stereo mode.

## Functional Application

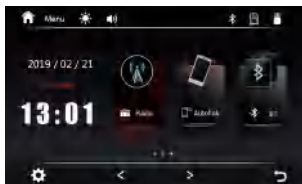
### Safety Instructions

1. In order for safe driving and to avoid violating any traffic regulations, please do not watch any videos and do not operate the unit while driving.
2. In order to avoid short circuiting the unit, please do not expose the unit to rain or any other source of water.
3. In order to avoid short circuiting the unit, please do not expose the unit to any bare metal during installation.
4. Do not attempt to dismantle the unit for maintenance, all service and maintenance should be performed by an authorized service centre or technician.
5. When the engine is turned off, avoid using the unit for an extended period of time as this might drain the car's battery.
6. Wipe the screen carefully! Do not use sharp objects to push against the screen.

# FUNCTIONAL APPLICATION


## Main Interface

During initial boot, the unit will automatically show the main menu as shown below.



## The Functions Are As Follows:

 : Click to enter the radio interface

 : Click to enter the mobile phone connection interface

 : Click to enter the Bluetooth interface


 : Click to enter the USB interface

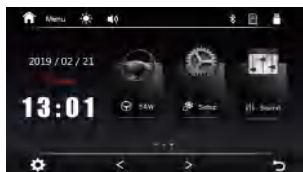
 : Click to enter the external audio/video interface

 : Click to enter the TF Card Interface

 : Click to enter the steering wheel control interface

 : Click to enter the general settings interface

 : Click to enter the sound settings interface



# FUNCTIONAL APPLICATION

## Radio

Touch the radio in the main menu to enter the radio interface.

Touch the [🏠] icon to return to the main menu.

Touch the [📶] icon to switch to between FM1/FM2 /FM3/AM1/AM2.

Touch the [🔍] icon and press it to scan and save the station.

Long press this icon to automatically search and save the station with the strongest signal.

Touch [🔊] to turn on/off the ST function.

Touch [📶] to turn on/off the Loc function.

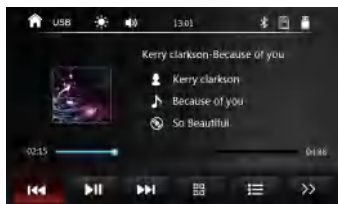
Touch [📱] to turn on/off the keyboard input frequency point.

Touch [🔊] to enter the sound settings.



## USB / CARD

Once you enter a compatible USB or TF CARD, the unit will automatically show the following interface. Compatible files can be played on the unit.



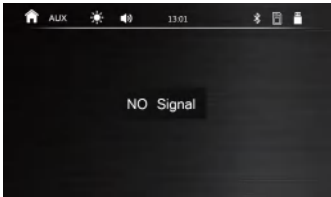
Last Song    Play/ Pause    Next Song Directory    Root Menu    Next Page



# FUNCTIONAL APPLICATION

## Input

Plug in compatible jacks to the video and audio input ports. You can access these inputs through the AUX Input interface from the main menu.



## Mobile Link

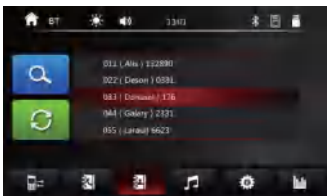
Touch "Easyconnection" in the main menu to enter the mobile Internet interface. APK needs to be installed when Android phone is used for the first time.



## Bluetooth

Bluetooth connection from compatible devices are supported. Once Bluetooth is connected, phone dialing/answering/address/media playback are enabled. Touch the Bluetooth icon to enter the Bluetooth interface.

## Phone Book

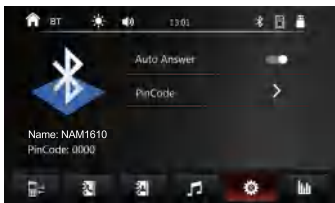


Apk installation method: Scan any one of the two QR codes on the left of the mobile internet screen, Enter the download link interface, And install the APK after downloading Android Phone Connection Method: Before the connection, Please turn on your USB debugging in SETTING's Developer options; Second step is to connect your phone with NAM1610 via Bluetooth; and then plug in the USB connection between NAM1610 and your phone; Confirm all the user permission selections to mirror link the image onto NAM1610

# FUNCTIONAL APPLICATION

## Bluetooth Connection

Touch the icon and enter the Bluetooth connection interface

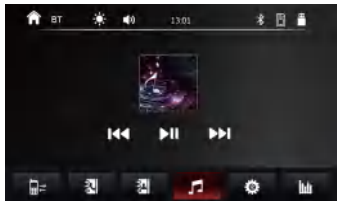


## Call Record

This interface allows you to view call records

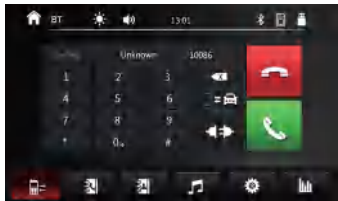


## Bluetooth Media



Click to this interface to play media from your device

## Call Interface



In this interface, calls can be dialed or answered locally

## Steering Wheel



Touch the "steering wheel" icon to enter the SWC settings interface.

## Display Settings

Screen adjustment: Adjust your display through this interface. Set your screen's boundary here.

# FUNCTIONAL APPLICATION



Click  Start Settings;  
Click on the function icon corresponding to this interface, and the icon will flicker. Press the button on the SWC panel for a long time. When the corresponding function icon stops flickering, loosen your finger. Indicates that the setup was successful;  
Click on the  icon to save, you can use the corresponding button on the SWC panel.

Click to **PAC** switch to the PAC protocol model

## SET UP

Touch the Settings icon to enter the main interface

Touch Adjustment: Recalibrate touch coordinates.

Background Settings: Replace background settings in this interface.

## Sound Settings

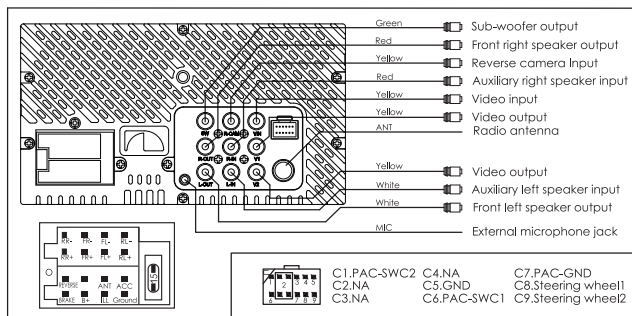


EQ Settings: From this interface you can switch EQ modes from User/Rock/Classic/Popular and more.  
Boot Volume: Change the boot volume here.  
Reverse Volume: Change the reversing volume adjustment when the vehicle is in reverse mode.



System Language: Choose the language you require for your unit here.  
Radio: Change your radio settings here.

# WIRE CONNECTION



	COLOR	FUNCTION
A	Red	ACC / Ignition Wire
	Black	Ground Wire
	Blue	ANT Wire
	Orange	Light On Signal / Backlight Adjustment
	Yellow	Power Supply
	Brown	Brake control
	Pink	Reversing control
B	Green	Rear Left Speaker (+)
	Green/Black	Rear Left Speaker (-)
	Green	Front Left Speaker (+)
	Green/Black	Front Left Speaker (-)
	Gray	Front Right Speaker (+)
Gray/Black	Front Right Speaker (-)	
Violet	Rear Right Speaker (+)	
Purple/Black	Rear Right Speaker (-)	
C	Black	C1\C6\C7:PAC
	Black	C7:Earth Wire
	Green	C8:Steering Wheel Control Line 2
	White	C9:Steering Wheel Control Line 1

# TECHNICAL PARAMETERS

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## Specifications

Voltage:14.4V(10.5-16V)  
Size(WxHxD):  
170x96x90.5MM  
Working Temperature:-20℃-+60℃  
Storage Temperature:-25℃-+70℃  
Net Weight:0.8Kg

## Tft display Options

Display Size:7"  
Display Resolution:800x480 RGB  
Contrast Degree:500

## Radio Options

FM Frequency Modulation  
FM Range:87.5-108.0MHZ  
AM FM Range:522-1620KHZ

## Supporting Video Format

H264/WMV/DIVX/MKV/FLV

## Audio Format Support

MP3/WMA

## USB Interface Options

Front USB:Readable/Chargable  
(5v/1A)

## Video Options

External Video Input System:  
NTSC/PAL/SECAM  
External Video Input:1VP-P/75Ω

## Audio Options

Maximum Power:4x50W  
Front Output(V):2V/10KΩ  
Pre-Output Impedance:≤600Ω  
Speaker Impedance:4-8Ω

## Bluetooth Options

Communication System:BT4.0 +EDR  
Output: Bluetooth Standard Power  
Level 2 Maximum Communication  
Range:About 5 Meters.  
Band:2.4G

# COMMON TROUBLESHOOTING GUIDELINES

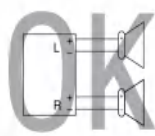
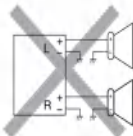
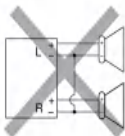
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<b>FAULT</b>	<b>REASON</b>	<b>SOLUTION</b>
Unable to boot	Power supply fuse burned out	Replacement of the same type of fuse
	Other factors cause microprocessors to work abnormally	Reboot the unit using the reset button. Press the reset button with a pointed object.
When the ignition switch is turned off, all the information of setting is lost.	Replacement of batteries or fuses	Reset the information and restore it after replacing the fuse or batteries
The radio is ineffective	Weak radio signal	Try again in a different location
	Failure to connect radio antennas leads to weak signals	Reconnect the antenna and try again
No image	Other factors cause microprocessors to work abnormally	Reboot the unit using the reset button. Press the reset button with a pointed object
Silent output	Small voice	Increase the volume
	Output line incorrectly connected	Check Output Line Connection

## PRECAUTIONS ON POWER SUPPLY AND SPEAKER CONNECTIONS:

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Do not connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.  
BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.



# 目錄

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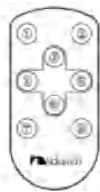
# 觸摸按鍵功能介紹

## 附件清單





- 1、電源線-----1 套
- 2、遙控器-----1 個
- 3、用戶手冊-----1 本
- 4、五金卡套-----1 個



- 1、TF CARD：可以從TF Card讀取文件
- 2、音量鍵：按下增加音量
- 3、音量鍵：按下減少音量
- 4、電源鍵：短按：靜音 長按：關機
- 5、主菜單鍵：按下進入主菜單
- 6、返回鍵：按下返回前一頁
- 7、USB:可以從USB讀取文件



# 遙控器按鍵功能介紹

序号	名称	操作和控制模式
1		打開靜音或取消靜音
2		開/關
3	<b>VOL+</b>	短按逐步增加音量，長按可持續增加音量
4		收音機一切換到上一個預設 USB/SD/藍牙音樂一切換到上一個
5		收音機一切換到下一個預設 USB/SD/藍牙音樂一切換到下一個
6	<b>VOL-</b>	短按可逐步減小音量 長按可持續減小音量
7	<b>SRC</b>	按下後進行模式切換
8	<b>AUDIO</b>	按下後選擇左聲道，右聲道和立體聲

## 功能應用

### 安全說明

- 1、使用本機前請閱讀說明書，不遵守說明書所造成的損壞將不享受保修。
- 2、為了安全駕駛並避免違反交通規則，請勿在駕駛時觀看程序並操作本機
- 3、為避免短路，請勿將設備暴露在雨中。
- 4、為避免短路，請勿將設或任何遺留的金屬放入。
- 5、請勿自行打開機器進行維修，請在專業維修站進行維修。
- 6、發動機關閉時，請勿長時間使用汽車音響，否則電磁可能會耗盡
- 7、請勿在設備的通風口和其他開口插入任何物品。
- 8、小心擦拭屏幕！不要使用尖銳的物體推，擦，劃屏幕。

## 主菜单

第一次開機默認進入主菜單，如下圖所示



功能如下：



：點擊進入收音機界面



：點擊進入手機連接界面



：點擊進入藍牙界面



：點擊進入USB讀取界面



：點擊進入外部音頻/視頻界面



：點擊進入卡讀取界面



：方向盤學習界面



：點擊進入設置界面




：點擊進入音效設置界面





# 功能應用

## 收音機

觸摸主菜單中的“收音機”進入收音機界面。

觸摸【】圖標，可返回主菜單。

觸摸【】圖標，可切換FM1/FM2/FM3/AM1/AM2。

觸摸【】圖標，短按即可掃描並保留站  
長按可以自動搜索，並在菜單中保存最強信號站。

觸摸【】可以打開/關閉ST功能。

觸摸【】可以打開/關閉LOC功能。

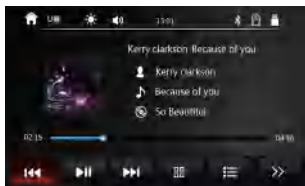
觸摸【】可以打開鍵盤輸入頻點。

觸摸【】進入音效設置。



## U盤/卡

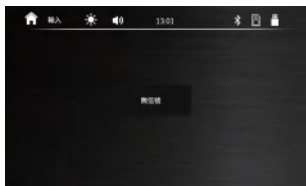
當插入USB或卡時，本機可以播放  
視頻/音頻/圖片文件，默認切入下面界面：



上一曲 播放/ 下一曲 根目錄 菜單 下一頁  
暫停

## 輸入

將視頻輸入接口插入視頻輸入插口，音頻輸入接口插入音頻輸入插口，在主菜單觸摸“AUX”圖標進入輸入界面。



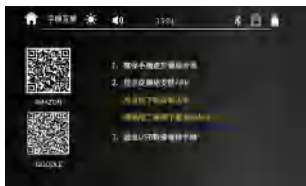
## 手機互聯

觸摸主菜單中的“手機互聯”進入手機連接界面，安卓手机第一次使用時需安裝APK。

安裝APK方式：掃描手機互聯畫面左側兩個二維碼中任意一個，進入下載鏈接界面，下載完成後安裝此APK。

安卓手機設置：進入手機設置-開發者選項-USB調試打開。

安卓手機鏈接：打開手機藍牙，用手機鏈接主機藍牙，使用原裝手機數據線鏈接，插上後會彈出使用權限確認，點擊確認後就可以把畫面投射到顯示器上。



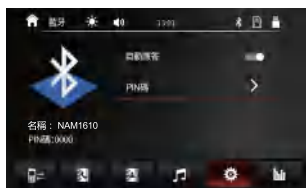
# 功能應用

## 藍牙

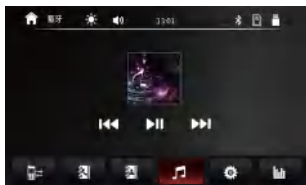
本系統支持手機藍牙連接，連接藍牙後，可實現撥號/接聽/電話簿/音樂播放等 功能。觸摸藍牙圖標進入BT界面。

### 藍牙連接界面

觸摸圖標後進入藍牙連接界面

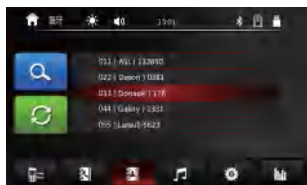


### 藍牙音樂



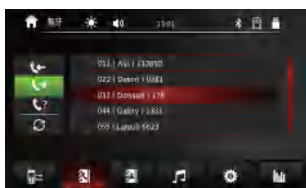
點擊可播放手機音樂

## 電話簿

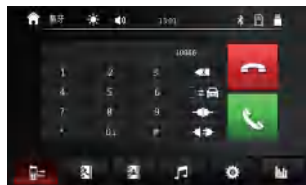


### 通話記錄

在此界面可查看通話記錄



### 撥打電話



在此界面可通過本機撥號或接聽來電

# 功能應用


## 方向盤

主界面觸摸“方控”圖標進入設置界面



點擊開始設置

點擊SWC Setting界面對應的功能圖標，圖標會閃爍。此時長按SWC面板上面的按鍵，當對應的功能圖標停止閃爍，鬆開手指。標識設置成功；

點擊保存設置就可以使用SWC面板上面的對應功能按鈕。

點擊可切換到PAC協議模式。

## 設置

主界面觸摸“設置”圖標進入



系統語言：觸摸【語言】圖標進入語言設置界面，選擇所需語言。

收音機：觸摸【收音機】圖標進入收音區域設置

## 顯示設置

屏幕調整：觸摸圖標進入屏幕調整界面，可調整顯示效果



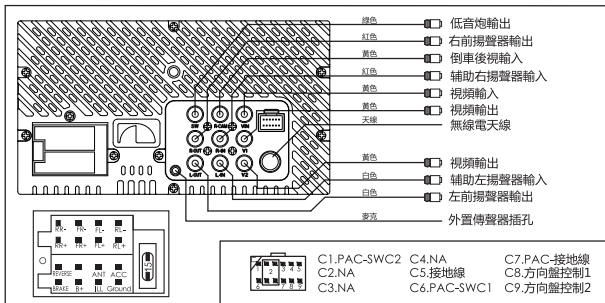
觸摸調整：觸摸圖標進入觸摸調整界面可重新校准觸摸坐標背景設置：進入後，可更換其他背景

## 聲音設置



EQ設置：觸摸圖標進入EQ設置，可切換EQ模式：用戶/搖滾/古典/流行等開機音量：觸摸進入後可選擇默認開機音量等級。倒車音量：觸摸進入後可選擇倒車畫面音量等級

# 線材鏈接



	顏色	功能
A	紅色	點火線
	黑色	接地線
	藍色	ANT自動天線
	橙色	燈控
	黃色	電源
	棕色	剎車檢測
	粉色	倒車控制
B	綠色	後左喇叭(+)
	綠色/黑色	後左喇叭(-)
	綠色	前左喇叭(+)
	綠色/黑色	前左喇叭(-)
	灰色	前右喇叭(+)
	灰色/黑色	前右喇叭(-)
C	紫色	後右喇叭(+)
	紫色/黑色	後右喇叭(-)
	黑色	C1\C6\C7:PAC接口
	黑色	C5: 接地線
	綠色	C8: 方控線2
	白色	C9: 方控線1
	黑色	USB: 優盤讀取/充電



# 技術參數

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## 常規

電壓：14.4 ( 10.5-16V)

尺寸 ( WxHxD):

170x96x90.5MM

工作溫度：-20°C-+60 °C

儲存溫度：-25°C-+70 °C

淨重：0.8Kg

## TFT顯示器選項

顯示器尺寸：7寸

顯示分辨率：800x480 RGB

對比度：500

## 收音機選項

FM調頻範圍：87.5-108.0MHZ

AM調頻範圍：522-1620KHZ

## 支持視頻格式

H264/WMV/DIVX/MKV/FLV

## 支持音頻格式

MP3/WMA/FLAC

## USB界面選項

前置USB：讀取 ( 可充電5V/1A)

## 視頻選項

外部視頻輸入系統：

NTSC/PAL/SECAM

外部視頻輸入：1VP-P/75Ω

## 音頻選項

最大功率：4x50W

前置輸出(V):2V/10KΩ

前置輸出阻抗：≤600Ω

揚聲器阻抗：4-8Ω

## 藍牙選項

通信系統：BT4.0版 +EDR

輸出:藍牙標準功率2級

最大通信範圍：大概5米

頻段：2.4G

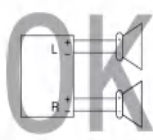
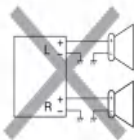
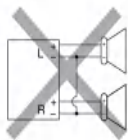
# 常見故障排除指南

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故障	原因	解決方法
不能開機	電源供電保險絲燒壞	更換同型號保險絲
	其他因素造成微處理器工作異常	用尖端物點按面板上的複位孔，重新開機
點火開關關閉後，設置的信息全部丟失	更換蓄電池或保險絲	重新設置信息並保持
收音收臺效果差	電臺信號弱	將車移動到另外一個位置重新搜索
	收音天線未連接好導致信號弱	連接好天線重新搜臺
無圖像	其他因素造成微處理器工作異常	用尖端物體點按面板上的複位孔，重新開機
無聲音輸出	聲音小	加大到所需的音量
	輸出線未正確連接	檢查輸出線連接

## 電源和揚聲器接線注意事項

切勿把揚聲器導線接頭接至電池，否則本機將會嚴重損壞。  
在把揚聲器導線接頭接至揚聲器之前，檢查您汽車上的揚聲器線路。





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