

User Manual



# 9"/10.1" TOUCH LCD SCREEN

#### **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 of 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.

- 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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### PRODUCT FEATURES

- · Android operation system
- · Cortex-A53 architecture. Faster 2.0 GHZ
- · Support iOS Phone MirrorLink
- · Support for Android Phone MirrorLink
- · Version: Bluetooth HS/V5.0
- ·Support bass and surround sound
- · 1280\*720P high-definition LCD display
- · 2.5D G+G capacitive screen
- · 2G running speed
- ·32G storage space
- ·Supports 720/1080p video playback
- · Support video picture-in-picture
- · Maximum power 4×50W
- · A power amplifier \$17388
- · BUIT-IN Bluetooth: Supports A2DP
- · Built-in 14Band DSP EQ sound adjustment
- · Support agreement box manufacturer coverage rate of 95%

- ·Support bluetooth music playback
- · Support bluetooth shared network
- · Supports HD 720P AHD camera
- · Supports a forward-looking 720P
- ·Standard 2-channel USB
- · Supports USB DVR
- · Support USB DVR playback
- · Support driving record video preview
- · Support DVR driving recording
- · Support WiFi/mobile hotspot Internet
- · Built-in GPS positioning
- · Built-in multi-color lights
- · Supports APK download, installation and uninstall
- · Supports hot start second boot
- · Supports lossless music

### INTRODUCTION OF TOUCH KEY FUNCTION

#### **ACCESSORY LIST**

1、	Power Cable 1 PC
2、	20P-RCA Wire 1 PC
3、	4P-USB Wire 1 PC
4、	6P-USB Wire 1 PC
5、	Rear View Interface Wire 1 PC
	GPS antenna 1 PC
7、	User Manual 1 PC
8,	Install screw 6 PCS



- 1.Power Key: While unit is powered on, short press mutes the unit, While long press turns the unit off.
- 2. Home Menu: Press to enter the main menu
- 3. Return Key: Press to return to the previous page
- 4. Volume +: Press to increase volume, long press increases volume continuously.
- Volume -: Press to decrease volume, Long press decreases volume continuously.

### **SAFETY INSTRUCTIONS**

- 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 drivina.
- In order to avoid short circuiting the unit, please do not expose the unit to rain or any other source of water.
- In order to avoid short circuiting the unit, please do not expose the unit to any bare metal during installation.
- 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.
- Wipe the screen carefully! Do not use sharp objects to push against the screen

### **HOME MENU**

Upon booting, the unit will enter to home menu, as shown below.





### THE FUNCTIONS ARE AS FOLLOWS:

- : Click to enter radio interface.
- : Click to enter EasyConnection interface.
- : Click to enter bluetooth interface.
- : Click to enter music interface.
- : Click to enter settings interface.
- : Click to enter video interface.
- . Click to enter Google map interface.
- : Click to enterradio interface.
- : Click to view all the applications.
- : Click to enter car settings interface.
- : Click to turn off screen.

#### **RADIO**

Touch "Radio" in home menu to enterradio interface.

Touch  $[\, leesless]$  icon can return to home menu.

Touch [ ] icon to switch band FM/AM.

Touch [  $\blacksquare$  ] icon to search for stations automatically.

Touch [ ] icon to input specific station.

Touch [ signs ] icon to open RDS.

Touch [ ] icon to set the audio effect.

Long press [ ] for 2 seconds to searching stations by upward , if one station is found will stop searching automatically, press this icon to fine-tune by upward.

Long press [ ] for 2 seconds to searching stations by downward, if one station fis found will stop searching automatically, press this icon to fine-tune by downward.

### **EasyConnection**

Press to enter EasyConnection, the mobile phone can be connected to the in-vehicle infotainment device automatically through Android USB, Android Wi-Fi and iPhone Wi-Fi.





#### **BLUETOOTH**

After connecting your mobile phone to your unit using Bluetooth, you will be able to make phone calls and play music.

Press the Bluetooth icon to enter the Bluetooth interface.



If your product is NAM5510-A9, Bluetooth name is: NAM5510-A9 If your product is NAM5510-AX, Bluetooth name is: NAM5510-AX

Touch [ ] to search Bluetooth devices.

Touch [ ] to connect the currently selected Bluetooth device.

Touch [ ] to disconnect the currently Bluetooth device

Touch [ ] to delete a paired device.

Dial Phone



Phone book



Call log



#### **SETTINGS**

Touch "Settings" icon from home menu to enter below picture:



1.Network & Internet

Wi-Fi: Press the button on the right of the Wi-Fi to turn on. After turning on the Wi-Fi, if there is a Wi-Fi network available around device, it can searched in the list, press the name of the WLAN need to connect, and enter the password to connect.

- 2.APP: to view all the installed apps.
- 3.Storage: to check device storage and storage used.
- 4.Security & Location: to turn on or off location function, choose location mode, check App location permissions etc.
- 5. Users & accounts: to manage user accounts.
- Accessibility: to enable your installed accessibility applications and adjust related settings.



- 7.Google: to set the parameters related to Google setting of services & preferences.
- 8.Car settings: It can be used for steering wheel control learning, reverse auxiliary line switch setting, etc. Check "Car Settings" for details.
- 9.System
- a. Language and Input.
- b. Date and time: it can select GPS or network to automatically determine the time and date. It allows to customize the setting date, time, time zone and time display format.
- c. Reset options: can be restored to factory settings.
- d. About Car: check the system software version, MCU software version, android version, model, etc.

### **Car Settings**



Click options can choose settings.

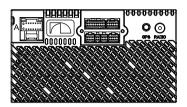


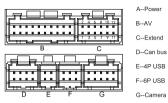
Click options can choose settings about display screen & brightness etc.



Click options can choose settings about volume and sound.

# WIRE CONNECTION



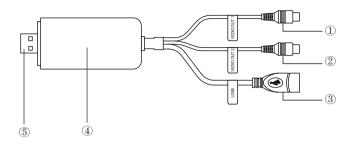


A: Power			
Label	Color	Name	
GND	Black	Ground wire	
BATT+	Yellow	Battery wire	
ACC	Red	Ignition wire	
ILLUMI	Orange	Lamp control wire	
REVERSE	Green/White	Reverse wire	
SWC1	Yellow/White	Steering wheel control wire 1	
SWC2	Orange/White	Steering wheel control wire 2	
P. ANT	Blue	Automatic antenna	
FR-	Gray/black	Front right speaker-	
FR+	Gray	Front right speaker+	
RL-	Green/Black	Rear left speaker-	
RL+	Green	Rear left speaker+	
FL-	White/Black	Front left speaker-	
FL+	White	Front left speaker+	
RR-	Purple/Black	Rear right speaker-	
RR+	Purple	Rear right speaker+	

	B: AV			
Label AV IN VIDEO AV IN R LINE OUT FRONT L LINE OUT FRONT R LINE OUT REAR L LINE OUT REAR R	Color Yellow White Red White Red White Red	Name Video input Left audio input Right audio input Front Left audio outPut Front Right audio output Rear Left audio output Rear Right audio output		
LINE OUT SUBWOOFER PWR CON	Brown Red	Subwoofer output Power amplifier control		
G: Camera				
Label CAMERA-R PARKING	Color Yellow Brown	Name Reverse camera input Brake control		
LAKKINO	DIOWII			

C:Extend				
Pin	Name	Pin	Name	
1	Ground	7	Audio Left input	
2 +12V output 8		8	RXD	
3 NC 9		9	NC	
4 NC 10		10	NC	
5 Audio Right input 11		Ground		
6	TXD	12	Video input	

### WIRE CONNECTION



- ① VEDIO OUT1
- ② VEDIO OUT2
- ③ USB
- **4** VEDIO OUT transfer box
- **5** Connect external USB port

### TECHNICAL PARAMETERS

#### **SPECIFICATIONS**

Voltage:14.4V(10.5-16V) Working Temperature:-10°C-+70°C

Storage Temperature: -20°C-+80°C

Net Weight: 748g/851g

### **TFT DISPLAY**

Display Size:9.0" /10.1" Display Resolution:1280x720 Contrast Degree:500

### **RADIO**

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

#### VIDEO FORMAT

H264/MP4/AVI/MKV/FLV

#### **AUDIO FORMAT**

MP3/APE/AAC/FLAC

#### **USB INTERFACE**

USB:Readable/Chargable (5±0.25V/1A)

### **VIDEO**

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

### **AUDIO**

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

#### **BLUETOOTH**

Communication System:BT5.0+EDR Output: Bluetooth Standard Power Level 2 Maximum Communication Range:About 5 Meters. Band:2.4G

### COMMON TROUBLESHOOTING GUIDELINES

FAULT	REASON	SOLUTION
	Power supply fuse burned out	Replacement of the same type of fuse
Unable to boot	Other factors cause microprocessors to work abnormally	Reboot by pressing the reset hole on thepanel with the pointed object point
When the ignition switch is turned off, all the information of setting is lost.	Replacement of batteries or fuses	Replace batteries or fuse and enter settings again.
The radio is ineffective	Weak radio signal	Try again by moving the car to another location
	Failure to connect radio antennas leads to weak signals	Connect the antenna and try again.
No image	Other factors cause microprocessors to work abnormally	Reboot by pressing the reset hole on the panel with the point of the pointed object
	Small voice	Increase the volume required
Silent output	Output line incorrectly connected	Check Output Line Connection

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.







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### 產品特點

- ·Android 9.0系統
- ·Cortex-A53架構.主頻2.0GHZ
- ·支持ios Phone Mirrorlink
- ·支持Android Phone Mirrorlink
- ·内置14Band DSP EQ音效調節
- ·支持重低音、環繞音
- ·1280\*720P高清LCD顯示
- ·2.5D G+G電容屏
- ·2G運行速度
- ·32G大存儲空間
- ·支援720/1080P視頻播放
- ·支援視頻書中書
- ·支援無損音樂
- ·最大功率4x50W
- ·功放ST7388
- ·支持暖開機秒開機
- ·支援協定盒廠家覆蓋率95%

- ·Buit-in藍牙: 支援A2DP
- ·版本: Bluetooth HS/V5.0
- ·支援藍牙音樂播放
- ·支援藍牙共用網路
- ·支持高清720P AHD攝像頭
- ·支持前視720P高清攝像頭
- ·標配2路USB
- · 支持USB DVR
- ·支援USB DVR重播
- ·支援行車記錄視頻預覽
- ·支持DVR行車錄音
- ·支持Wifi/手機熱點上網
- ·内置GpS定位
- ·内置多色彩燈
- ·支持APK下載安裝和卸載

# 觸摸按鍵功能介紹

### 附件清單

1、	電源線1	条
2、	20P-RCA線1	条
3、	4P-USB線 1:	条
4、	6P-USB線 1:	条
5、	倒車後視接口線1	条
6、	GPS天线1	条
7、	用戶手冊1	本
R	<b>安奘螺络6</b>	蹈



- 1、電源鍵:在通電狀態下,短按靜音,長按關機
- 2、主頁菜單:按下進入主菜單
- 3、返回鍵:按下返回前一頁面
- 4、音量+:短按可增加音量,長按音量不斷增大
- 5、音量-:短按可減小音量,長按音量不斷減小

# 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,請勿將設備或任何遺留的金屬物品放入。
- 5、請勿自行打開機器進行維修,請到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,否則電池可能會耗盡。
- 7、請勿在設備的通風口和其他開口處插入任何物品。
- 8、小心擦拭屏幕!不用使用尖銳的物體推,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:

1 : 點擊進入收音機界面

: 點擊進入億聯界面

: 點擊進入藍牙界面

💽 : 點擊進入音頻界面

🎱 : 點擊進入設置界面

: 點擊進入視頻界面

▲ ★★ : 點擊進入谷歌地圖界面

■ : 點擊進入收音機界面

: 點擊查看所有安裝應用

**\*\*\*\*\***:點擊進入汽車設置界面

·點擊熄滅屏幕

### 收音机

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FM/AM。

触摸[四]圖標自動搜索電臺。

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 [■■ ]可以打開RDS。

觸摸 [■ ] 進入音效設置。

長按2秒向上[] 搜索電臺,如果找到壹個將自動停止搜索,按此圖標向上微調。

長按2秒向下 [ ] 搜索電臺,如果找到壹個將自動停止搜索,按此圖標向下微調。

# 億聯

觸摸 進入億聯,手機可以通過Android USB、Android Wi-Fi 和 iPhone Wi-Fi 自動連接車載設備。



87 50

### 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/電話薄/音樂播放等功能 觸摸藍牙圖標准入藍牙界面。



如果您的產品是NAM5510-A9, 則藍牙名稱是: NAM5510-A9。 如果您的產品是NAM5510-AX, 則藍牙名稱是: NAM5510-AX。

觸摸 [ ☑ ] 搜索藍牙設備

觸摸 [ ❷ ] 連接當前選擇的藍牙設備

觸摸 [ ❷ ] 斷開當前的藍牙設備

觸摸 [ ■ ] 刪除配對的設備

### ₩ 撥打電話



■ 電話簿



■ 通話記錄



# 設置

主界面觸摸"設置"圖標進入以下界面



### 1、網絡和互聯網

Wi-Fi: 按下Wi-Fi右邊的按鈕就可以打開。打開Wi-Fi後,如果設備周圍有可用的Wi-Fi網絡,可以在列表中搜索,按下需要連接的WLAN名稱,並輸入連接密碼。

- 2、查看所有安裝應用。
- 3、内存:查看設備的内存和使 用情況。
- 4、安全性和位置:打開或關閉定 位功能,選擇定位模式,檢查應 用程序的定位權限等。
- 5、用戶和帳戶:管理用戶帳戶。
- 6、可訪問性:啟用已安裝的可訪問性應用程序並調整相關設置。



- 7、谷歌:設置與谷歌相關的服 務和參數設置。
- 8、汽車設置:可用於方向盤控 制學習,倒車輔助線開關設置 等。詳見汽車設置。
- 9、系統
- a.語言和輸入
- b.日期和時間:可選擇GPS或網絡自動確定時間和日期。它允許自定義設置日期、時間、時區和時間顯示格式。
- c.重置選項:可以恢復到出廠設 置。
- d.關於汽車:檢查系統軟件版本, MCU軟件版本, android版本, 型號等。

# 汽車設置



單擊選項可以選擇設置。

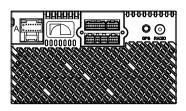


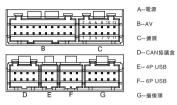
点击选项可以选择显示屏幕和 亮度等设置。



點擊選項可以選擇音量和聲 音的設置。

# 線材鏈接



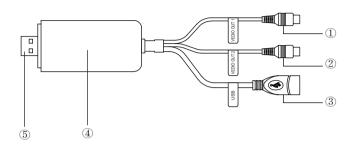






C: 擴展				
Pin	標簽	Pin	標簽	
1	地綫	7	音頻輸入L	
2	+12V輸出	UART-RXD		
3	NC	9	NC	
4	NC	10	NC	
5	音頻輸入R	11	地綫	
6	RART-TXD	12	視頻輸入	

# 視頻輸出接線圖



- ① 視頻輸出 1
- ② 視頻輸出 2
- ③ USB
- ④ 視頻輸出轉接盒
- ⑤ 接外甩USB插口

# 技術參數

### 常規

電壓: 14.4 (10.5-16V) 工作溫度: -10℃-+70℃ 儲存溫度: -20℃-+80℃

淨重: 748g/851g

### TFT顯示器選項

顯示器尺寸:9.0寸/10.1寸 顯示分辨率:1280\*720

對比度:500

### 收音機彈項

FM調頻範圍: 87.5-108.0MHZ AM調頻範圍: 522-1620KH7

### 視頻格式

H264/MP4/AVI/MKV/FLV

### 音頻格式

MP3/APE/AAC/FLAC

#### USB界面選項

USB:讀取(可充電5±0.25V/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

### 藍牙潠項

通信系統:BT5.0版+EDR 輸出:藍牙標准功率2級 最大通信節圍:大概5米

頻段: 2.4G

# 常見故障排除指南

故障	原因	解决方法		
	電源供電保險絲 燒壞	更換同型號保險終		
不能開機	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		
	電臺信號弱	將車移動到另外一個位置重新 搜索		
收音收臺效   果差 	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		
	聲音小	加大到所需的音量		
無聲音輸出	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。









# 此页只是文件说明,不做印刷用!

文件名 File Name	21CHZ079-IM-V	1.1	版次 Rivision	V1.1
机型 Project#			比例 Scale	1:1
客户/品牌 Customer			公差 Tolerance	±3mm
尺寸+P数 Size	英文版/中文版,145*1	<b>105mm,</b> 共36 p	设计 Designer	陈慧虹
材质 Material		for:	审核 Checked	陈家园
technique	内页单黑,80克书写纸,打	₹]	设计日期 Design Date	2021.04.27
注释: Remarks:	播送 Description 封订		面背面为空白	页