



**NAM5240**

User Manual



---

**9" / 10.1" HD ANDROID RECEIVER**

---

## 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 devices that generate heat .
- 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 product 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 gasket to protect wiring and cables whenever you are installing them through metal openings.
- Secure all wiring using cable ties or wire clips to protect them from moving parts and sharp edges.
- This device shall not be exposed to dripping or splashing, and object filled with liquids, shall not be placed on the device.
- Leave all services to professionals. Service is required when the device has been damaged in any way, such as the power input terminals are damaged, liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Fuses shall be replaced only with the correct model and size, 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 12V, 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.

# CONTENTS

---

Production Features.....	1EN
Accessory List.....	2EN
Introduction Of Touch Key Function .....	3EN
Functional Application.....	3EN
Safety Instructions.....	3EN
Home Menu.....	4EN
Radio.....	5EN
Phonelink (Option).....	5EN
CarbitLink (Option).....	5EN
Carplay/Android Auto (Option).....	6EN
BT .....	7EN
Car Settings .....	7EN
Settings.....	8EN
Wire Connection.....	9EN
Technical Specification.....	10EN
Common Troubleshooting Guidelines.....	11EN

# PRODUCT FEATURES

---

- The Android NK13.0 System
  - Support iOS Phone Mirrorlink
  - Support Android Phone Mirrorlink
  - Built-in 12/Band ASP EQ Sound Adjustment
  - Support Heavy Bass Sound
  - Support Mixed Alarm Sound
  - Built-in EQ Adjustment: Loud Gain Adjustment
  - 1360x800P 9" AHD LCD Display
  - 1280x720P 10.1" AHD LCD Display
  - Capacitive Touch Screen
  - 32G Large Storage Space
  - Support 720/1080P Video Playback
  - Support Video Picture-in-picture
  - Support Lossless Music
  - High Sensitivity Digital Radio
  - Support APK Download, Installation and Removal
- ◇ **T series:**
1. Radio: FM, Without AM
  2. Pre-Output:
    - 2.1 FL/FR/SUB (1+32G)
    - 4.1 FL/FR/RL/RR/SUB (2+32G)
- Built-in BT: Supports A2DP
  - Version: BT HS/V4.1
  - Support BT Music Playback
  - Support BT Sharing Network
  - Support 720P/1080PAHD Camera
  - Support Fast Reversing
  - 2 USB Channels Are Standard
  - Support USB DVR
  - Support USB DVR Playback
  - Support Dashcam Video Preview
  - Support DVR Driving Recording
  - Support Wifi/ Mobile Hotspot Internet Access
  - Built-in GPS Positioning
  - Maximum Power 50Wx4
- ◇ **Video output:**
- The video output function of converter box can be purchased separately for this product. Please refer to the distributor for details.

# ACCESSORY LIST

---

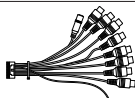
Power Cable(165mm) x1



Rear View Interface Wire(180mm)x1



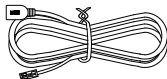
20P-RCA Wire(180mm) x1



GPS Antenna(1800mm) x1



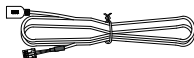
4P-USB Wire(750mm) x1



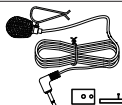
Installation Screw(PB3\*8MM) x6



6P-USB Wire(750mm) x1



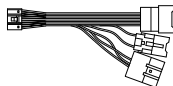
3.5mm Microphone Wire x1 (Option)



User Manual x1



Toyota Wire(180mm) x1 (Option)










## INTRODUCTION OF TOUCH KEY FUNCTION

---

Swipe right from the left side of the screen to reveal the left buttons.



-  **Power Key:** While unit is powered on, short press mutes the unit, while long press turns the unit off.
-  **Home Menu:** Press to enter the main menu.
-  **Return Key:** Press to return to the previous page.
-  **Volume +:** Press to increase volume, long press increases volume continuously.
-  **Volume -:** Press to decrease volume, long press decreases volume continuously.
-  **Built-in microphone**
-  **Hardware reset button**

## 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

## HOME MENU

Upon booting, the unit will enter to home menu, as shown below. Click "Status bar panel mode" in the Factory Settings to turn the upper-left volume icon on or off.



## THE FUNCTIONS ARE AS FOLLOWS:



: Click to enter EQ interface.



: Click to enter Music interface.



: Click to enter Video interface.



: Click to enter Av In interface.



: Click to enter Youtube interface.



: Click to enter ScreenSaver interface.



: Click to enter Radio interface.



: Click to enter CarPlay interface.



: Click to enter Android Auto interface.



: Click to enter Phone Book interface.



: Click to enter Maps interface.



: Click to view all the applications.



: Click to switch wallpaper.



: Click to enter Car Settings interface.




# FUNCTIONAL APPLICATION

## RADIO

Touch "Radio" in home menu to enter radio interface.

Touch [  ] icon can return to home menu.

Touch [  ] icon to switch band FM/AM.

Touch [  ] icon to search for stations automatically.

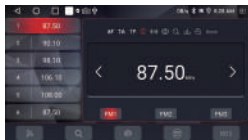
Touch [  ] icon to select a local or remote station.

Touch [  ] icon to input specific station.


Touch [  ] icon to open RDS.

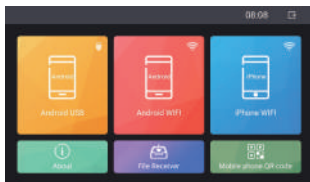
Long press [  ] for 2 seconds to searching stations by upward , if one station is found will stop searching automatically, press this icon to fine-tune by upward.

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




## Phonelink (Option)

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



## CarbitLink (Option)



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



# FUNCTIONAL APPLICATION

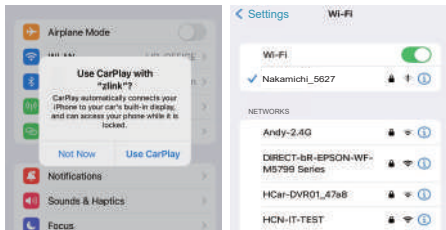
---

## Carplay/Android Auto(Optional)

1. Click   to enter Carplay/Android Auto, the mobile phone can be connected to the in-vehicle infotainment device through Android USB and iPhone Wi-Fi.
2. Wireless Carplay/Android Auto:  
I-phone connects the car navigation through BT , click Carplay/Android Auto to enter the pop-up dialog box, and click use Carplay/Android Auto.

### Carplay/Android Auto: (Connection instructions for some iOS mobile phones)

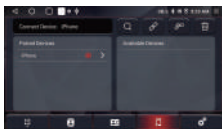
1. Turn on the BT of the mobile phone to connect the BT of the head unit. After the BT connection of the car, the Carplay/Android Auto connection interface will pop up automatically.
2. Confirm using Carplay/Android Auto on mobile.
3. If the above steps cannot be connected, you need to connect the mobile phone Wi-Fi hotspot.
4. Wi-Fi Password: 12345678



# FUNCTIONAL APPLICATION

## BT

After connecting your mobile phone to your unit using BT, you will be able to make phone calls and play music. Press the BT icon to enter the BT interface.



Your product is NAM5240-A9Z/AXZ,  
BT name is NAM5240.

Your product is NAM5240T-A9/AX/A9Z/AXZ,  
BT name is NAM5240T.

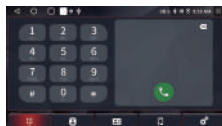
Touch [  ] to search BT devices.

Touch [  ] to connect the currently selected BT device.

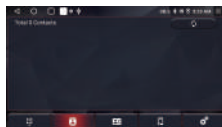
Touch [  ] to disconnect the currently selected BT device

Touch [  ] to delete a paired device.

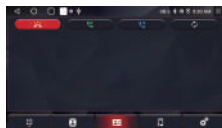
## Dial Phone



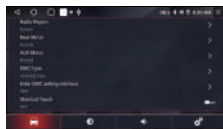
## Phone book



## Call log



## Car Settings



Click option to select the relevant function.



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

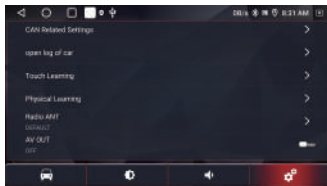


Click options can choose settings about volume and sound.

# FUNCTIONAL APPLICATION

If the customer selects AV out adapter box, this function should be enabled in the setting menu, as shown below:

Factory password:1948



## 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 be 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.

### 6.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

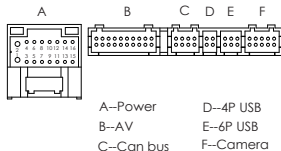
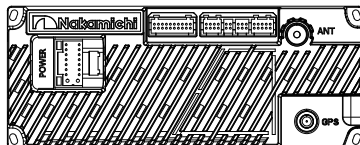
#### a. Language and Input.

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.

# WIRE CONNECTION



**A:Power**

Pin	Label	Color	Name
1	BATT+	Yellow	Battery Wire
2	GND	Black	Ground Wire
3	ILLUMI	Orange	Lamp Control Wire
4	ACC	Red	Ignition Wire
5	KEY2	Brown/Black	Steering Wheel Control Wire 2
6	REVERSE	Pink	Reverse Wire
7	P.ANT	Blue	Automatic Antenna
8	KEY1	Orange/Black	Steering Wheel Control Wire 1
9	RL-	Green/Black	Rear Left Speaker-
10	FR-	Gray/Black	Front Right Speaker-
11	RL+	Green	Rear Left Speaker+
12	FR+	Gray	Front Right Speaker+
13	RR+	Purple	Rear Right Speaker+
14	FL-	White/Black	Front Left Speaker-
15	RR-	Purple/Black	Rear Right Speaker-
16	FL+	White	Front Left Speaker+

**B:AV**

Label	Color	Name
AV IN VIDEO	Yellow	Video Input
AV IN L	White	Left Audio Input
AV IN R	Red	Right Audio Input
LINE OUT FRONT L	White	Front Left Audio Output
LINE OUT FRONT R	Red	Front Right Audio Output
LINE OUT REAR L	White	Rear Left Audio Output
LINE OUT REAR R	Red	Rear Right Audio Output
LINE OUT SUBWOOFER	Green	Subwoofer Output
PWR CON	Pink	Power Amplifier Control
MICROPHONE JACK	Black	Microphone Input

**C:Can bus**

Pin	Name	Pin	Name
1	GND	5	PWR_CON
2	NC	6	NC
3	NC	7	NC
4	CAN_TX	8	CAN_RX

**D:4P USB**

Pin	Name	Pin	Name
1	USB_5V	3	USB_DP0
2	GND	4	USB_DM0

**F:Camera**

Label	Color	Name
CAMERA	Yellow	Reverse Camera Input
BRAKE	Pink	Brake Control

**E:6P USB**

Pin	Name	Pin	Name
1	USB_5V	4	USB_DP1
2	GND	5	USB_DM1
3	NC	6	NC

## ◇ T series:

Pre-Output:

2.1 FL/FR/SUB (1+32G)

4.1 FL/FR/RL/RR/SUB (2+32G)

# TECHNICAL PARAMETERS

---

## SPECIFICATIONS

Voltage:14.4V(10.5-16V)

Working Temperature:-10℃~+70℃

Storage Temperature:-20℃~+80℃

Net Weight: 720/835g

## TFT DISPLAY

Display Size: 9"/10.1"

9" Display Resolution:1360x800

10.1" Display Resolution:1280x720

Contrast Degree: 450

## RADIO

North America :

FM Frequency Range:87.5-107.9MHZ

AM Frequency Range:530-1710KHZ

Europe:

FM Frequency Range:87.5-108MHZ

AM Frequency Range:522-1620KHZ

Latin America:

FM Frequency Range:87.5-108MHZ

AM Frequency Range:520-1620KHZ

## 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:50Wx4

Front Output(V):2V/10KΩ

Pre-Output Impedance:≤600Ω

Speaker Impedance:4-8Ω

## BT

Communication System:BT4.1 +EDR

Output: BT Standard Power Level 2

Maximum Communication Range:

About 5 Meters.

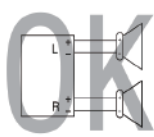
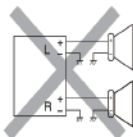
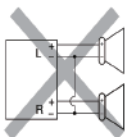
Band:2.4G

# COMMON TROUBLESHOOTING GUIDELINES

FAULT	REASON	SOLUTION
Unable to boot	Power supply fuse burned out	Replacement of the same type of fuse
	Other factors cause microprocessors to work abnormally	Reboot by pressing the reset hole on the panel 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
Silent output	Small voice	Increase the volume required
	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.





CONNECT WITH US ONLINE TO EXPLORE NAKAMICHI'S COMPLETE RANGE,  
INSTRUCTIONS, SOFTWARE DOWNLOADS, AND WARRANTY REGISTRATION.

[WWW.NAKAMICHICARAUDIO.COM](http://WWW.NAKAMICHICARAUDIO.COM)

 [nakamichi.global](https://www.facebook.com/nakamichi.global)  [nakamichi.caraudio](https://www.instagram.com/nakamichi.caraudio)



此页只是文件说明, 不做印刷用!

文件名 File Name	25CHP0117-IM-V1.1	版次 Revision	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,145*105mm,共16P	设计 Designer	陈慧虹
材质 Material	全书120G铜版纸, 彩色印刷, 打钉, 封面过光油	审核 Checked	陈美香
工艺 technique		设计日期 Design Date	2025.6.6

注释: Remarks:	描述 Description
-----------------	-------------------