Nakamichi

NAM5960 Pro

User Manual

9”/ 10” ANDROID MULTIMEDIA RECEIVER

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WARNING & PRECAUTION

To avoid risk of serious injury or possible violation of laws, please read the following thoroughly before installation or connecting.

This symbol means important ban. Failure to heed them can result in serious injury or death.

This symbol mean important instructions. Failure to heed them can result in injury or material property damage.

Having the wiring and installation done by expert.
The wiring and installation of this unit requires special technical skill and experience. To ensure the safety, always connect the dealer where you purchased this product to have the work done.

Do not watch video or operate the unit while driving.

Do not install in location which may hide vehicle operation, such as steering wheel or gearshift or cover of airbag.

Do not touch antenna or any plugs while in thunder storm to avoid electric shock.

Do not damage wiring. Failure to do so may result in electric shock or fire due to electrical shorts.

Do not install in locations with in high moisture or dusty. Moisture or dusty that penetrate into this unit may result in product failure.

Be sure to use specified accessory parts and install them securely.

Be sure to use the correct ampere rating when replace fuses. Failure to do so may result in fire of electric shorts.

Be sure to disconnect the cable from the negative battery terminal wile installation. Failure to do so may result in electric shock or injury due to electrical shorts.

Be sure to connect 'Parking Break' lead so that the driver can not watch the video unless the vehicle is stopped. Failure to do so may result in traffic accident or violation of laws.

Be sure to check the installation of antenna regular. Antenna dropping may result in an accident while the vehicle is running.

PRODUCT FEATURES

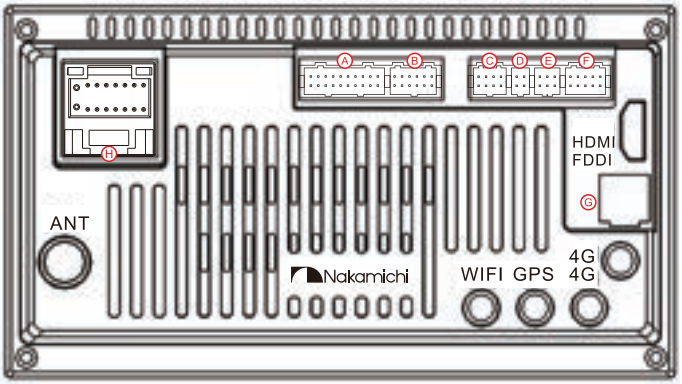
Hi-Fi Audio

- 5.1 Audio Pre-output
- DSD Audio Playback
- Hi-Res Auido Playback
- Lossless Music Playback
- Center Audio Output
- Subwoofer Audio Output
- Digital Audio: Optic Output
- Digital Audio: Coaxial Output
- Support Time Alignment Setup
- High-Power ST7850
- Maximum Power 4x50W
- Professional DSP
- Built-in 48-Band EQ
- Q Value Adjustment
- 20 Preset Sound Effects
- DTS Surround Sound
- Support TruBass
- Support Audio Focus
- Support Circle Surround
- Support Phantom Center
- 5 Preset DTS Processing
- Support 4CH,4.1CH,5.1CH

Configuration

- 1280x720 or 2000x1200 QLED IPS Screen
- 2.5D G+G Full Glass
- Qualcomm 8 Core A73 CPU
- NK 12.0 Operating System
- 4+64GB | 8+128GB | 8+256GB Large Memory
- Built-in 360 Panoramo
- High Sensitivity Radio
- Support 4G Network
- AHD Camera Input
- Built-in Bluetooth 5.0
- Support HDMI Output
- Support Optical Fiber Output
- Supports USB To CVBS Output
- Capacitive Screen
- 500 Lumens LCD Screen
- Built-in GPS
- Support 2.4G/5G Wifi
- USB Playback
- 2160P Video Playback
- Support iOS Phone Mirrorlink
- Support Android Phone Mirrorlink
- Support Bluetooth Music Playback

WIRING CONNECTION



Interface

A: Input/Output/4G SIM

B: 360 Panorama

C: Audio Output

D: 4P USB1

E: 6P USB2

F: Camera Input

G: Optical Output

H: Power Supply

H: Power Supply

Color	Name
Black	Ground Wire
Yellow	Battery Wire
Red	Ignition Wire
Orange	Lamp Control Wire
Green/Grey	Reverse Wire
Yellow/White	Steering Wheel Control Wire 1
Orange/White	Steering Wheel Control Wire 2
Blue	Amplifier/Automatic Antenna
Gray/Black	Front Right Speaker-
Gray	Front Right Speaker+
Green/Black	Rear Left Speaker-
Green	Rear Left Speaker+
White/Black	Front Left Speaker-
White	Front Left Speaker+
Purple/Black	Rear Right Speaker-
Purple	Rear Right Speaker+

A: Input/Output/4G SIM

Label	Color	Name
AR VIDEO IN	Yellow	Front Camera Video Input
FL Audio Out	White	Audio Front Left Output
FR Audio Out	Red	Audio Front Right Output
Subwoofer Out	Green	Audio Subwoofer Output
MIC	Black	External MIC Interface
AUX Video In	Yellow	Video Input
AUX IN-R	Red	Audio Right Input
AUX IN-L	White	Audio Left Input
SIM	Black	4G SIM Card
AMP	Green	AMP

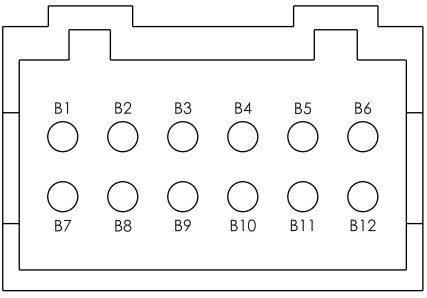
C: Audio Output

Label	Color	Name
RL Audio Out	White	Audio Rear Left Output
RR Audio Out	Red	Audio Rear Right Output
Coaxial Output	Green	Coaxial Output
Center Out	Brown	Center Out
Can Agreement	Green	Can-TX
Can Agreement	Green/Black	Can-RX

F: Camera Input

Label	Color	Name
Camera Input	Yellow	Camera Signal Input
Camera Power Supply GND	Black	Camera Power Supply GND
Camera Power Supply +12V	Red	Camera Power Supply +12V
BRAKE	Pink	Brake Detection

B: 360 Panorama

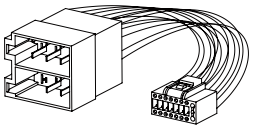


Pin	Name	Pin	Name
B1	Left Turn Detection	B7	Right Turn Detection
B2	Ground	B8	Front Camera Input
B3	Ground	B9	Right Camera Input
B4	Ground	B10	Rear Camera Input
B5	Ground	B11	Left Camera Input
B6	Power + 5V	B12	Power + 5V

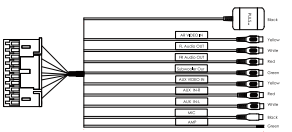
ACCESSORY LIST

Please check the following accessories after opening the package:

Power Supply Wire x1



20P Input/Output Cable x1



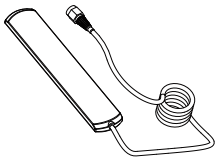
10P Camera Input Cable x1

8P Audio Output Cable x1

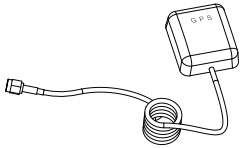
4P USB Wire x1

6P USB Wire x1

4G Antenna × 2pc



GPS Antenna × 1pc



Install The Screw x5

5.5 x 8mm

User Manual x1

FRONT PANEL

Function	Operations & Controls
1. MIC	Microphone: Voice receiving position
2. RST	Press with a pointed object (such as a ball point) to reset the unit to its initial setting by the factory (default stage).

1. Exit key	Exit the touch screen hidden button
2. Return	Press to back to previous.
3.Home	Press to enter main menu.
4. Clear key	Clear the used application interface
5.Power	In the power-on state: Press to Mute Press and hold for more than 1 seconds to turn off the screen.
6. Volume	Short press to increase volume.
7. Volume	Short press to decrease volume.

HOME PAGE OPERATION

Press [⌂] on the panel to enter the homepage, the homepage is displayed as follows:

- Click to return
- Click to home
- Click to close applications
- Bluetooth connection information
- Voice display
- Time display
- Click to GPS
- Click to Bluetooth
- Click to view all the applications
- Click to car setup
- Click to wallpaper replacement

Home Icon Replacement And Movement

NAM5960 support:

1. Change the position of the icon on the main interface.
2. Support moving the icons of the secondary interface to the homepage.

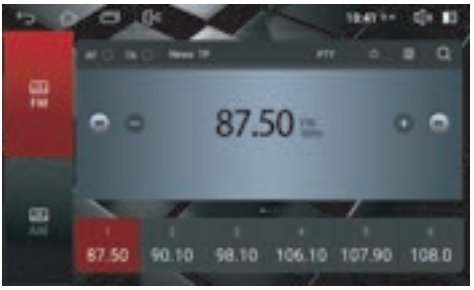
The operation is as follows:

1. Press and hold the icon that needs to be moved.
2. Drag the icon to move it to the desired position.

Application Interface

RADIO

FM Interface



FM band

AM band

AF AF function

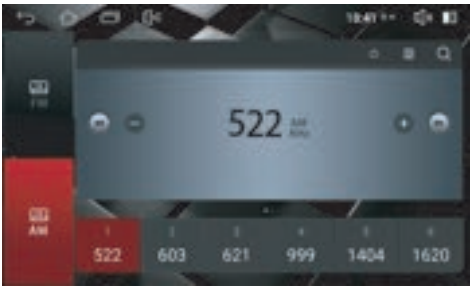
TA TA function

PTY PTY list

Play/Pause

Click the icon to pop up the keyboard interface, manual input to switch radio.

AM Interface



Automatically search

Add to favorite stations

Search backward

Increase frequency forward

Search forward

Increase frequency backward

Manual Search Interface

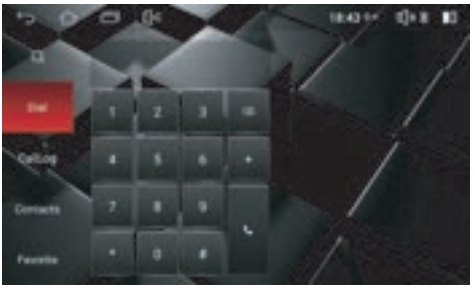
1. Press [⌂] on the panel to enter the homepage.
2. Click to [▬] to enter the radio interface.
3. Click to [▬] to enter the manual search interface.
4. Enter the stations want to search for and press [OK].

RDS Function

RDS will allow you to display information such as traffic status, radio station name and more. The unit can automatically switch to the strongest station based on the similar program.

BLUETOOTH

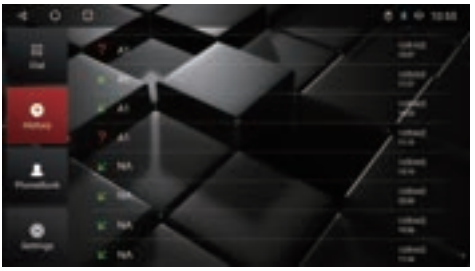
Bluetooth Call



1. Press [⌂] on the panel to enter the homepage.
2. Click to [✆] to enter the bluetooth call interface.

- Dialpad
- History call record
- Phone book
- Bluetooth settings
- Backspace
- Dial

History Call Record

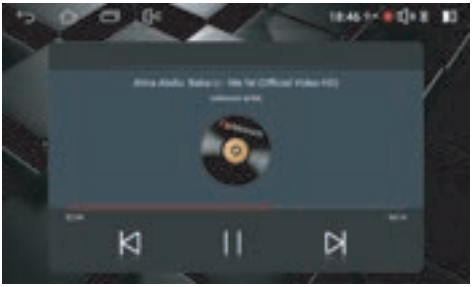


Phone Book

Bluetooth Setting

1. Press [⌂] on the panel to enter the homepage.
2. Click to [✆] to enter the bluetooth setting interface.
3. Click to [Bluetooth switch] to turn on Bluetooth on or off.
4. Click to [Bluetooth name] to changing the bluetooth name.
5. Click to [Auto answer] to turn on auto answer on or off.
6. Click to [Search device] to search for nearby Bluetooth devices.

Bluetooth Music Playback



1. Press [⌂] on the panel to enter the homepage.
2. Click to [▶] to enter the bluetooth music playback.

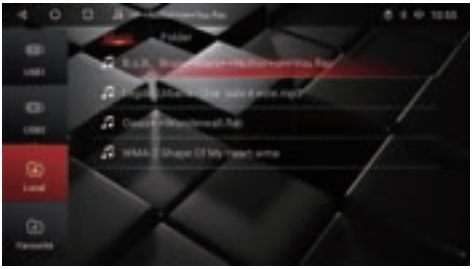
- Previous track
- Play/Pause
- Next track

MUSIC PLAYBACK

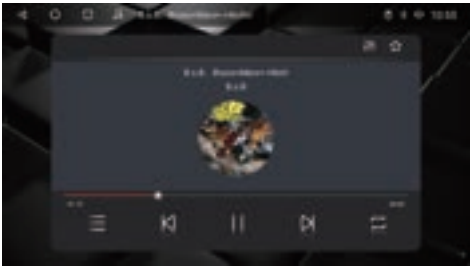
1. Press [⌂] on the panel to enter the homepage.

2. Click to [🎵] to enter the music interface.

Music Playback Llist



Music Playback Interface



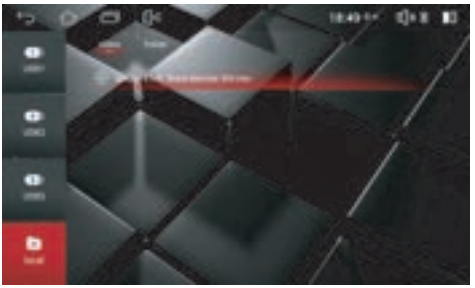
- Playback USB1 list music
- Playback USB2 list music
- Playback local list music
- Playback favourite list music
- Playback list
- Previous track
- Play/Pause
- Next track
- Repeat playback
- EQ setup
- Add to favorite stations
- Random playback
- Repeat the current playback song

VIDEO PLAYBACK

1. Press [⌂] on the panel to enter the homepage.

2. Click to [🎬] to enter the video interface.

Video Playback List



Video Playback Interface

- Playback USB1 list video
- Playback USB2 list video
- Playback local list video
- Previous Video
- Play/Pause
- Next video
- Repeat Playback
- Random playback
- Repeat the current playback video

Note: When using USB to play 4K video, the video file bit rate exceeds 60Mbps, the video may be played out. Please store the video file locally on the copy machine and play it normally.

SOUND EFFECTS

HiFi DSP

1. Press [⌂] on the panel to enter the homepage.
2. Click [▩] to enter the sound effects interface.
3. Click [HiFi DSP] to enter the HiFi DSP interface.
4. Select the Speaker channel (2CH, 2.1CH, 4CH, 4.1CH, 5.1CH).

EQ Selection

1. Press [⌂] on the panel to enter the homepage.
2. Click [▩] to enter the sound effects interface.
3. Click [⫶⫶] to enter the EQ selection interface.
4. Click the [-] or [+] icon corresponding to Q value to adjust the size of Q value.
Q value range: 1~10
5. Click [✎] to enter the EQ Settings.

EQ Setting

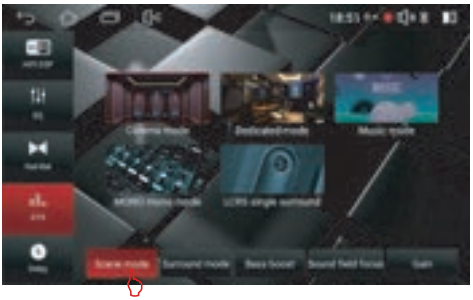
6. The machine is equipped with 48 band EQ adjustable (20Hz, 25Hz, 31Hz, 40Hz, 50Hz, 62Hz, 70Hz, 80Hz, 90Hz, 100Hz, 110Hz, 120Hz, 140Hz, 160Hz, 180Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 700Hz, 800Hz, 890Hz, 1KHz, 1.1KHz, 1.25KHz, 1.4KHz, 1.6KHz, 1.8KHz, 2KHz, 2.2KHz, 2.5KHz, 2.8KHz, 3.2KHz, 4KHz, 5KHz, 6.3KHz, 7KHz, 8KHz, 9KHz, 10KHz, 11KHz, 12.5KHz, 14KHz, 16KHz, 18KHz, 20KHz).
Adjustable range of each frequency: -12~12.

Fader And Balance Adjustment

1. Press [⌂] on the panel to enter the homepage.
2. Click [▩] to enter the sound effects interface.
3. Click [⋈] to enter the Fader and Balance interface.
4. In this interface can select standard, front left, front right, all passengers.
5. Click [Restore] to restore default values.

SOUND EFFECTS

DTS Processing



1. Press [⌂] on the panel to enter the homepage.
2. Click [▦] to enter the sound effects interface.
3. Click [▦] to enter ther DTS settings interface.
4. Click [Processing] to enter the processing select interface.
5. In this interface can select Cinema mode, PRO mode, Music mode, MONO mode, LCRS mode.

Phantom Center Setup

1. Press [⌂] on the panel to enter the homepage.
2. Click [▦] to enter the sound effects interface.
3. Click [▦] to enter ther DTS settings interface.
4. Click [Phantom Center] to enter the phantom center setup interface.
5. In this interface can set pantom center on or off.

Circle Surround Setup

1. Press [⌂] on the panel to enter the homepage.
2. Click [▦] to enter the sound effects interface.
3. Click [▦] to enter ther DTS settings interface.
4. Click [Circle Surround] to enter the circle surround setup interface.
5. In this interface can adjustable front to rear mix level and center to rear mix level.
Adjustable rang: 0~16.

TruBass Setup

1. Press [⌂] on the panel to enter the homepage.
2. Click [▦] to enter the sound effects interface.
3. Click [▦] to enter ther DTS settings interface.
4. Click [TruBass] to enter the TruBass set interface.
5. In this interface can select trubass speaker size (40Hz,60Hz,100Hz,150Hz,200Hz,250Hz,300Hz,400Hz). Can adjustable trubass level rang: 0~16.

Focus Adjustment

1. Press [⌂] on the panel to enter the homepage.
2. Click [▦] to enter the sound effects interface.
3. Click [▦] to enter ther DTS settings interface.
4. Click [Focus] enter the focus adjustment interface.
5. Click the [-] or [+] icon adjustment focus size.
Adjustable rang: 0~16.

SOUND EFFECTS

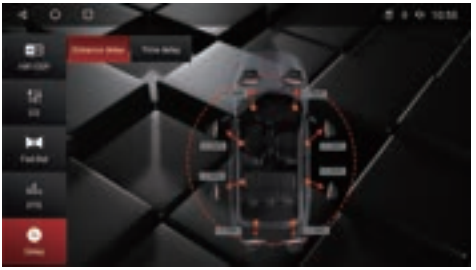
Distance Delay Adjustment

1. Press [⌂] on the panel to enter the homepage.
2. Click [▪] to enter the sound effects interface.
3. Click [◉] to enter the delay setting interface.
4. Click [Distance delay] to enter the distance delay setup interface.
5. Click the [-] or [+] icon adjustment distance delay size.
Maximum adjustable value: 340 cm.
Minimum adjustable value: 0 cm.

Time Delay Adjustment

1. Press [⌂] on the panel to enter the homepage.
2. Click [▪] to enter the sound effects interface.
3. Click [◉] to enter the delay setting interface.
4. Click [Time delay] to enter the time delay setup interface.
5. Click the [-] or [+] icon adjustment time delay size.
Adjustable range: 0~10 ms.

Delay Operation Procedure



Note: Firstly, confirm the HiFi DSP channel setting of sound effects, sound mode is original sound, emperor position is standard, professional master and sound field delay are factory default values. Otherwise there will be delays and confusion.

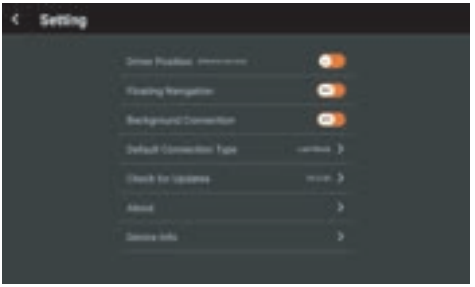
Measure the distance of each speaker:

1. Determine the value of the listening bit, If you specify the distance from the center of the currently set listening position to each speaker, the delay time is calculated and set automatically.
2. Determines the center of the currently set listening position as the reference point.
3. Measure the distance from the reference point to the horn.
4. Calculate the distance difference between the farthest speaker and the others.
5. Set the DTA value for each speaker step by step.
6. Adjust the gain of a single speaker.

Zlink Connect Interface

1. Press [⌂] on the panel to enter the homepage.
2. Click [▣] to enter the Zlink connect interface.
3. Can be directly connected using Bluetooth.

Setting Interface



1. Press [⌂] on the panel to enter the homepage.
2. Click [▣] to enter the Zlink connect interface.
3. Click [●] to enter the setting interface.

Wired Mirroring Connect Interface

1. Press [⌂] on the panel to enter the homepage.
2. Click [▣] to enter the Zlink connect interface.
3. Click [●] to enter the wired connection interface.
4. USB cable can be used for connection.
5. Click [●] to switch the connection interface.

Wireless Mirroring Connect Interface

1. Press [⌂] on the panel to enter the homepage.
2. Click [▣] to enter the Zlink connect interface.
3. Click [●] to switch to wired connection interface or wireless connection interface.
4. Click the type of mobile phone you want to connect and follow the instructions to complete the connection.

Connection Diagram

Iphone Wifi Connection:

Enter the Zlink5 App interface→Select the wireless connection→ select the iPhone→Set up Personal Hotspot→connect to personal hotspot no network currently connected→select screen mirroring and then z-Mirror.

Android USB Wifi Connection:

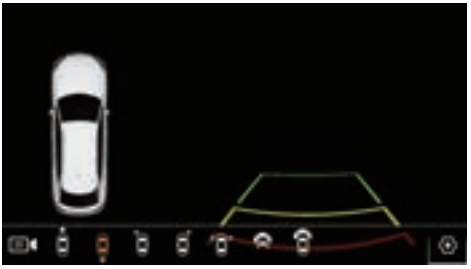
Enter the Zlink5 App interface→Select the wireless connection→ select the Android→open the APP scan the QR code→connect to bluetooth, then on personal hotspot →connect to personal hotspot →click the button "Start Mirroring" on your phone to continue.

360 PANORAMIC VIEW

1. Press [⌂] on the panel to enter the homepage.
2. Click [▦] to enter 360 panoramic view.

The left side of the 360 panoranic display Intertace is a panoramic bird's-eye view, the current camera display screen is on the right side, and the shortcut and setting switches are at the bottom, The panoramic view tunction is automatically activated when the head unit is turned on.

2D Mode Interface

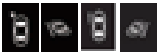


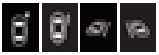
3D Mode Interface

Click this icon to switch to 2D or 3D mode.

Front view, Click to display the front view of the vehicle, and click again to correct the projection to display the dead ahead view of the vehicle
Remark: Display 3D effect view in 3D mode.

Rear view, Click to display the rear view of the vehicle, and click again to correct the projection to display the dead astern view of the vehicle.
Remark: Display 3D effect view in 3D mode.

 Left view, Click to display the left front view of the vehicle; click again to display the left dead ahead view of the vehicle; click again to display the left rear view of the vehicle.
Remark: Display 3D effect view in 3D mode.

 Right view, Click to show the right front view of the vehicle; click again to show the right dead ahead view of the vehicle; click again to show the right rear view of the vehicle.
Remark: Display 3D effect view in 3D mode.

Front view limit wide Angle of view, press the left and right cameras to view the surroundings that near the front and rear tyres, Click again to show the front wheel view of the vehicle.
Remark: Display 3D effect view in 3D mode.

Radar view, Click to show the front view of the vehicle, click again to show the rear view of the vehicle, and click again to show the lateral night vision of the vehicle.
Remark: Display 3D effect view in 3D mode.

Triple screen view, Click to show the front view of the vehicle, click again to show the rear view of the vehicle.
Remark: Display 3D effect view in 3D mode.

Click to enter the setting interface. On the setting interface, can set the model, reverse line mode, adjust the view, DVR Settings, view the version information, set the display time and other functions.

Note: Yellow highlighted at the bottom of icon indicates that the View mode is selected currently.

4G LTE NETWORK

1. Install the 4G antenna(refer to the wiring diagram) and fix it in an appropriate position in the car.

Install Mobile SIM Card 1

2. Enble The Mobile Data Function

The Following Figure Shows SIM Card Slot 1

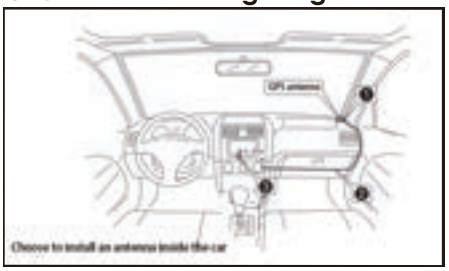
At this point, the system will automatically start to search for 4G signal, and display the 4GLTE signal icon in the upper right corner of the display screen, and you can use the product to browse web pages or related apps.

WALLPAPER SETTING

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the wallpaper settings.
3. Click on the image below to change the wallpaper.

GPS ANTENNA CABLING INSTALLATION

GPS Antenna Wiring Diagram



Notice

1. The GPS antenna can be mounted inside the vehicle, such as on an instrument platform, or outside the vehicle, such as on the roof.

2. GPS antennas must have an open "field of view" facingthe sky. If the vehicle glass is equipped with explosion proof film, heat insulation film, may greatly reduce the strength of GPS antenna to receive satellite signals; In this case, it is recommended toinstall the GPS antenna on the outside of the vehicle.

GPS antenna installation steps:

1.Before taping the GPS antenna, be sure to clean the adhesive area with an appropriate oil-soluble cleaner. After cleaning, tear off the paper on the back, place the GPS antenna and press hard.

2.Remove the side panel and run the cable through the storage room until you reach the main console, making sure the GPS cable and the original cable are securely tied.

3.Connect the GPS antenna plug to the host.

CAMERA WIRING INSTALLATION AND SETTING

Camera Wiring Installation Diagram

Back car mirror type setting：

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click to [Display] to enter the display setting interface.
4. Click [Reverse mode] to select reverse mode(Only rear camera or AVM).

Installation steps of reversing image wiring:

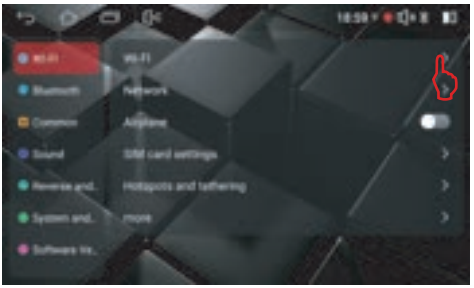
1. Connect the plug of the reversing signal wire to the main engine, remove the left side panel, pass the camera extension wire through the driving position in the central control position, and then put the wire through the trunk with the waterproofing sealant on the side of the lower car to the side of the rear cockpit , and use the traction wire to cross the trunk.

2. Remove the backing box door liner, the camera device is above the license plate, the camera cable into the trunk and the extension wire docking, docking needs to be wrapped with electrical tape.

3. The positive pole of the power supply of the camera is connected with the positive pole of the reverse headlight, and the negative pole is connected with the reverse headlight. Please pay attention to the need to wrap it with electrica tape.

SETTING

Wifi Connection



1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click to [WLAN switch] to turn on wifi.
4. When WIFI is turned on, the machine automatically searches for nearby WIFI connectio.
5. Enter the password.

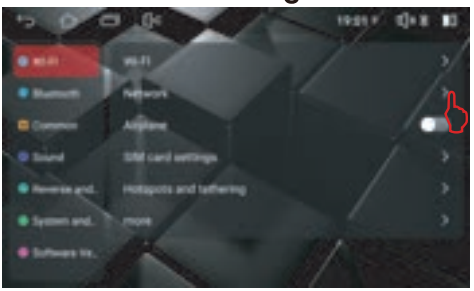
Remarks: The WIFI icon [📶]will be highlighted after successful connection.

Bluetooth Pairing Connection

The first time pair mobile phone with AV receiver, please follow below steps:

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click to [Bluetooth] select Bluetooth enable [ON].
4. Turn on the phone's Bluetooth to search: Bluetooth device: NAM5960.
5. After the search is successful, click the phone and host to confirm, the pairing is successful.

Mobile Network Setting

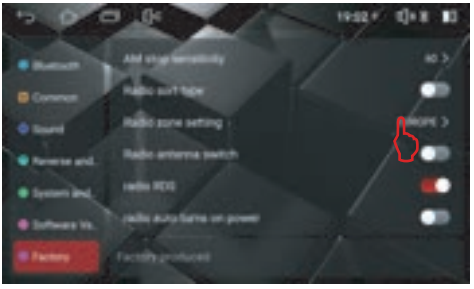


1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [Mobile network] to enter the open mobile network.

Language Selection

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [General] to select [Language]
4. Select the corresponding language.

Radio Area Selection



1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click to [General] select [Radio area],Can select China, Europe, Russian, Australia, Middle-East, Japan, Latin Ameraica, Brazil, Asia.
4. Select the corresponding radio area.

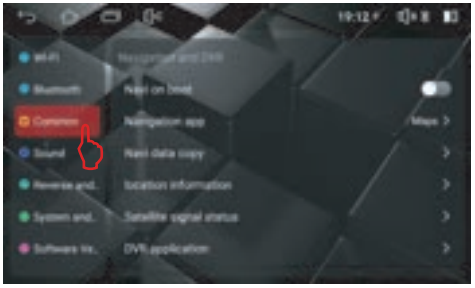
Remarks:
When the radio area is not correct, the radio station cannot be listened to and the reception is reduced.

SETTING

Steering Wheel Learning

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [Key learning] to enter the key learning mode selection.
4. Click [SWC] to enter the Steering wheel learning.
5. Click reset before learning.
6. Learn each function button as prompted.
7. After learning the steering wheel function keys, click save to exit the learning interface.

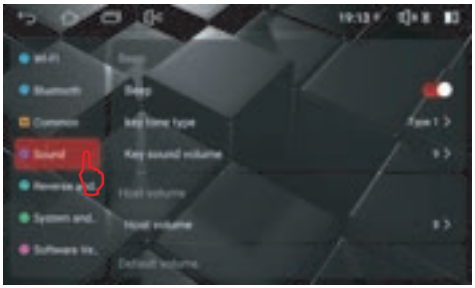
Other Setting



1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.

Other settings: include Navigation app settings, Float Ball to on or off, Auto play usb to on or off, Sync time to on or off, Time setting, Date setting, Time format 12h or 24h, Power off time setting to 5s~30m.

Audio Setting



1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [AUDIO] to enter the audio setting.
4. Can set key sound to on or off, adjust media volume, Navigation volume, bluetooth volume, GPS mixing, music dro ratio when reversing.

Display Setting

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click to [Display] to enter the display setting interface.
4. Click [Backlight] to adjust screen brightness.
6. Click [⏻] to close the screen.
5. Click [Video forbidden to drive] set on or off. When turned on can't play video while driving.
7. Click [Screen off effect] to setting Lock screen effect, can select digital clock, analog clock, black screen, three mode.

SETTING

Color Lights Setting

(No key light, this function is invalid)

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [Color Lights] to enter the color lights setting interface.
4. Can setting key lamp control mode, colorful lights of or off, colorful light mode manua or automatic.

Clean Interface

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [Clean] to enter the clean interface.
4. Click [Accelerate] to clear memory.
5. Click [Clean] to clear storage memory

Upgrade Interface

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [Upgrade] to enter the upgrade interface.
4. On this screen, you can view the version upgrade schedule.

Version Interface

1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [Version] to enter the Version setting interface.
4. On this interface, can view the version information of the machine. click [Load default Settings] to restore factory Settings and click [Factory settings] to enter factory Settings.

Factory Setings Interface

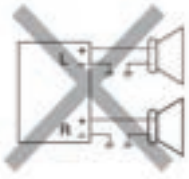
1. Press [⌂] on the panel to enter the homepage.
2. Click [⚙] to enter the setting interface.
3. Click [Version] to enter the Version setting interface.
4. Click [Factory settings] and enter the password [1948] to enter the factory setting interface.

TROUBLESHOOTING

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 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 if after replacing the fuse or batteries.
The radio is ineffective	Weak radio signal.	Try again in a different location.
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.

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.



SPECIFICATION

General

Operation Voltage: 14.4V(10.5-16V)
Installation Size: Thickness 42mm
Operating Temperature: -10°C - +60°C
Storage Temperature: -20°C - +70°C
Unit Dimensions(WxHxD):
9", 228.8 x 130.4 x 43.6mm
10", 252.1 x 146.7 x 42.9mm
Net Weight: 9", 0.8kg/10", 0.9kg
Gross Weight: 9", 1.6kg/10", 1.7kg

System

Operating System: NK 12.0
DDR+FLASH:
4+64GB | 8+128GB | 8+256GB

Radio

FM Frequency Range: 87.5-108.0MHZ
MW Frequency Range: 522-1620KHZ

Bluetooth

Communication System: BT5.0+EDR
Output: BT Standard Power 9 dbm
Max Communication Range: 15m
Frequency Band: 2.4GHz

USB Interface

USB: Readable/ Chargeable
(5±0.25V/1A)

Audio

Max Power: 4X50W
Front Output(V): 4V/10KΩ
Pre-output Impedance: ≤600Ω
Speakers Impedance: 4-8Ω

TFT Screen Item

Size: 9.0" / 10.0"
Display Resolution: 2000x1200 or 1280x720
Contrast Ratio: 500
Brightness:500nit

Video

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

Video Format

Codec Support:
H264/H265/MP4/AVI/MKV/FLV
Video Capture Support:
2160P 30FPS/1080P 120FPS/720P 240FPS

Audio Format

DSD/MP3/APE/AAC/FLAC

Wi-Fi

Standard: 802.11a/b/g/n/AC
Spectral Band: 2.4GHz/5GHz

Note:
Specification and design; functions and features; unit illumination; colour and display segment are subject to change without prior notice. Photos and drawings on gift box or operation manual might be varied from the exact unit. Depends on the input devices operation might be varied from the operation manual described.

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