



NAM5850

User Manual



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.



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



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



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



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



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



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




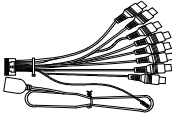

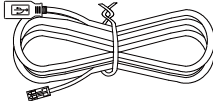
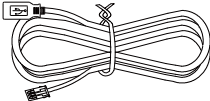
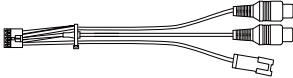

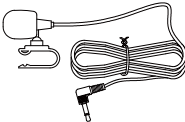
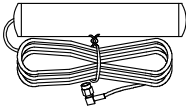
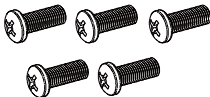

Do not install in locations with in high moisture or dusty. Moisture or dusty that penetrate into this unit may result in product failure.



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

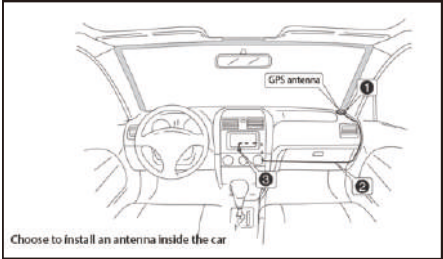
ACCESSORY LIST

Please check the following accessories after opening the package

<div>Power Cable x1</div> <div></div>	<div>20P RCA Cable x1</div> <div></div>	<div>WIFI/BT/Camera Cable x1</div> <div></div>
<div>4P USB Cable x1</div> <div></div>	<div>6P USB Cable x1</div> <div></div>	<div>8P RL/RR Cable X1</div> <div></div>
<div>GPS Antenna x1</div> <div></div>	<div>Microphone x1</div> <div></div>	<div>4G Antenna x1</div> <div></div>
<div>Installation Screw (3x8)x5</div> <div></div>	<div>User Manual x1</div> <div></div>	

GPS ANTENNA INSTALLATION

GPS Antenna Diagram

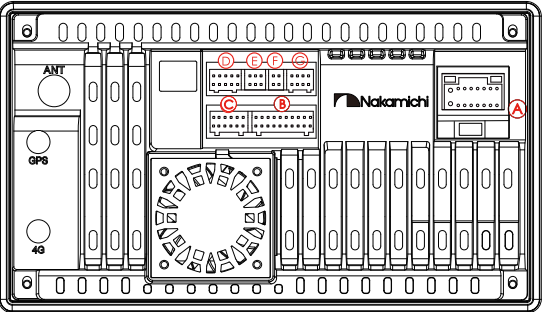


1. The GPS antenna can be mounted inside the vehicle, such as on an instrument platform, or outside the vehicle, such as on the roof.
2. GPS antennas must have an open "field of view" facing the sky. If the vehicle glass is equipped with explosion proof film, heat insulation film, may greatly reduce the strength of GPS antenna to receive satellite signals; In this case, it is recommended to install the GPS antenna on the outside of the vehicle.

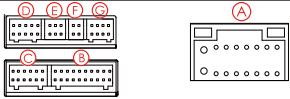
PRODUCT FEATURES

- HD android multimedia receiver
- 8 Core A75 CPU
- Bulit-in 4G network
- Support 360 panorama
- Support Phonelink
- Support 5G Wifi
- Built-in Bluetooth
- Support Bluetooth music playback
- Support AHD1080P Camera input
- Support lossless music
- Support 1080P video playback
- Support MP3/WMA/AAC/FLAC audio playback
- Support H264/WMV/DIVX/FLV video playback
- 1 Video input,2 Audio input
- 4.1 Channel Pre-output.
- Support subwoofer output
- Bulit-in DSP,Support Surroud
- Support bass boost ,bass filter
- Bulit-in 48 band EQ
- Support steering wheel control
- High sensitivity FM/AM, support RDS
- Support Optical Output
- Maximum power:4x50W

WIRING CONNECTION



Interface Introduction



- A--Power

B--RCA+4G

C--360 Panorama

D--Camera input
- E--6P USB

F--4P USB

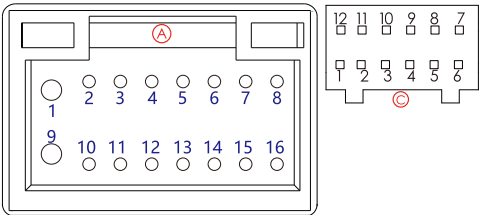
G--Canbus

A--Power			
Pin	Name	Pin	Name
A1	Ground Wire	A9	Battery Wire
A2	Ignition Wire	A10	Lamp Control Wire
A3	Reverse Wire	A11	SWC2
A4	SWC1	A12	Amplifier Control Wire
A5	Front Right Speaker-	A13	Rear Left Speaker-
A6	Front Rght Speaker+	A14	Rear Left Speaker+
A7	Front Left Speaker-	A15	Rear Right Speaker+
A8	Front Left Speaker+	A16	Rear Right Speaker-

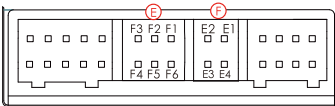
B--RCA+4G		
Label	Color	Name
AUX Video Input	Yellow	Video Input
AUX Input L	White	Audio Left Input
AUX Input R	Red	Audio Right Input
FL Output	White	Audio Front Left Output
FR Output	Red	Audio Front Right Output
Subwoofer Output	Blue	Audio Subwoofer Output
MIC	Black	External Microphone Port
AMP output+12V	Pink	Amplifier Control Wire

D--Camera input		
Label	Color	Name
BRAKE	White	Wifi/BT Antenna
Reverse Camera	Brown	Brake Detection Wire
	Yellow	Back Camera Input

G--Canbus		
Label	Color	Name
RL Output	White	Audio Rear Left Output
RR Output	Red	Audio Rear Right Output
MCU TX	Orange	Canbus TXD Wire
MCU RX	Orange/White	Canbus RXD Wire



C--360 Panorama			
Pin	Name	Pin	Name
C1	Power+ 5V	C7	Right Turn Detection
C2	Ground	C8	Front Camera Input
C3	Ground	C9	Right Camera Input
C4	Ground	C10	Rear Camera Input
C5	Ground	C11	Left Camera Input
C6	Left Turn Detection	C12	Power+ 5V



F--6P USB	
Pin	Name
F1	USB_DP1
F2	USB_DM1
F3	USB_DP2
F4	USB_DM2
F5	GND
F6	USB_5V

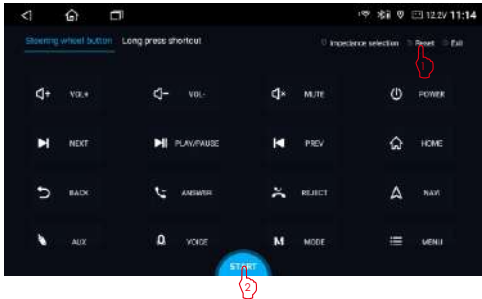
E--4P USB	
Pin	Name
E1	USB_DP0
E2	USB_DM0
E3	GND
E4	USB_5V

PANEL OPERATION



Function	Operations & Controls
1. MIC	Microphone Window
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).
3. Power	In the power-on state: Press to Mute. Press and hold for more than 5 seconds to turn off the screen.
4. Home	Press to enter main menu.
5. Return	Press to back to previous.
6. Volume	Short press to increase volume.
7. Volume	Short press to decrease volume.

STEERING WHEEL CONTROL LEARNING

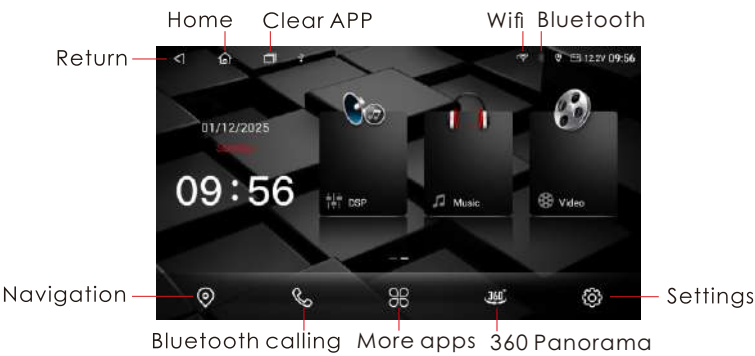


1. Press [] to enter the homepage.
2. Click [] to select [Steering Wheel].
3. Release steering wheel button, the press [Star].
4. Touch the function on the display.
5. Push the button on the steering wheel.
6. Key learning succeeds, proceed to the next key operation.

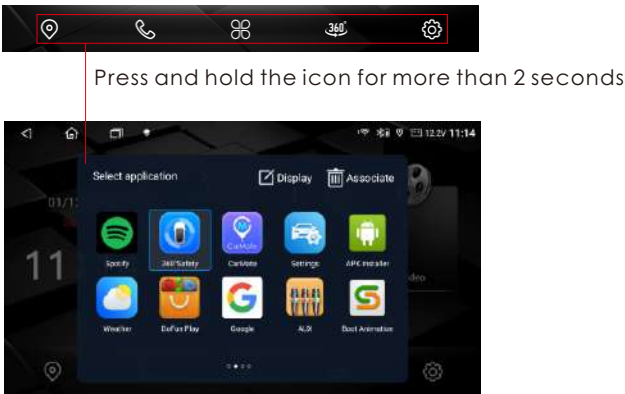
HOMEPAGE OPERATION

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

Homepage Introduction



Replace Function



Colorful Settings



- 1.Click [Home] to select [More apps].
- 2.Click [Color] to enter the colorful settings.

PHONE CONNECTION

CarPlay Connection



- 1.Press [⏏] to enter the homepage.
- 2.Click [Carplay] to enter the carplay interface.
- 3.Please connect your phone with bluetooth.

Androidauto Connection



- 1.Press [⏏] to enter the homepage.
- 2.Click [Android Auto] to enter the Android Auto interface.
- 3.Please connect your phone with bluetooth.

Wireless Mirroring for iPhone



- 1.Click [⏏]to select [〰].
- 2.Click[Mirrorling] to select [Wireless Mirroring].
- 3.Click[iPhone] and open your phone hotspot.
- 4.Product model connect to mobile WIFI.
- 5.Pull down the iPhone,click [〰] to enter the screen mirroring,and select Product model .

Wireless Mirroring for Android



- 1.Click [⏏]to select [〰].
- 2.Click[Mirrorling] to select [Wireless Mirroring].
- 3.Click[Android] and download APP on your phone.
- 4.Product model connects to bluetooth,open the app on your phone.

RADIO OPERATION

Radio Interface

- 1.Press [] to enter the homepage. 2.Click [Radio] to enter the radio interface.



RDS settings


- ◀◀ Seek Down
- ▶▶ Seek Up
- 🔍 Automatic Search
- 📶 Dx/Local Selection
- ⏮ Previous radio station
- BAND Band Selection
- ▶ Next radio station
- 📶 EQ Settings
- ⚙ Radio Settings

Click to select a station
Hold for more than 2 seconds to store the station

Automatically Search | Manual Search



Automatically search

Click [] to enter automatic search and storage.

Manual search

Click [] or [] to the manual search

RDS Settings



Click [RDS] to enter the RDS Settings.

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 OPERATION

- 1.Press [Home] to enter the homepage.
- 2. Click to [Bluetooth] to enter the bluetooth interface.

Bluetooth Pairing Connection



- Bluetooth connected
- The first time pair mobile phone with AV receiver, please follow below steps:
- 1.Turn on your phone's Bluetooth to search Device name: Product model
 - 2.Click [Product model] to connect.

Bluetooth Call



History Call Record



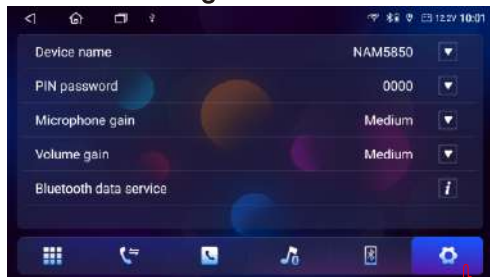
Phone Book



Pairing management



Bluetooth Settings



PLAYBACK OPERATION

Music Playback

1.Press [] to enter the homepage. 2.Click [Music] to enter the music playback.

Music playback interface



- ♥ Favorite
- 🔄 Repeat
- ≡ PlayList
- ⏮ Previous Track
- ⏸ Play/Pause
- ⏭ Next Track
- ⚙ EQ Settings

Video Playback

1.Press [] to enter the homepage. 2.Click [Video] to enter the video playback.

Video playback interface



- ≡ PlayList
- ⏮ Image size switching
- ⏮ Previous Video
- ⏭ Play/Pause
- ⏭ Next Video
- ⚙ Settings

Bluetooth Music Playback

1.Press [] to enter the homepage.

2.Click[] to select []

Bluetooth Music Playback interface



- ⏮ Previous Track
- ⏸ Play/Pause
- ⏭ Next Track

EQ OPERATION

1. Press [] to enter the homepage.
2. Click [] to enter the EQ Settings.

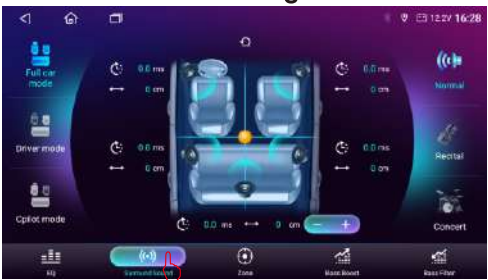
EQ Settings



Scene Mode Settings



Surround Sound Settings



Balance Settings



Subwoofer Settings



Bass boost Settings





Bass filter Settings



SETTINGS

WIFI Connection



1. Press [] to enter the homepage.
2. Click [] to select [Network].
3. Click [Wifi disconnected] to search wifi.
4. Select WIFI and enter password to connect.

Display Settings



1. Press [] to enter the homepage.
2. Click [] to select [Display].

Sound Settings



1. Press [] to enter the homepage.
2. Click [] to select [Sound].

General Settings




1. Press [] to enter the homepage.
2. Click [] to select [General].

SETTINGS



Languages Settings



- 1.Press [] to enter the homepage.
- 2.Click [Personal] to select[Language Choice].
- 3.Click [Languages] to enter the Language setting interface.
- 4.Click [+]add the required language.
- 5.Drag the required language to 1.

System Reset





- 1.Press [] to enter the homepage.
 - 2.Click [] to select [System].
 - 3.Click [Reset factory] to enter reset. Password is 7890.
- Notes:
After resetting, please connect to WIFI, the system will restore the original UI.

Can Bus Settings

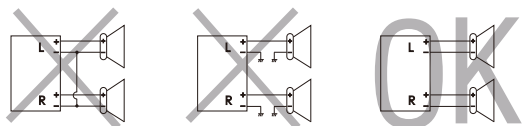


Notes:Please set up after connecting to WIFI.

- 1.Press [] to enter the homepage.
- 2.Click [] to select [Factory]. Password is 1948.
- 3.Click [Select models] to enter the canbus.
- 4.CanBox:Canbus box brand.
- 5.Cars for: Car brand.
- 6.Models for: Vehicle model.
- 7.Config:Car Configure.
- 8.Click [OK],Set successful.

SPEAKER WIRING WARNING








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



360° PANORAMA OPERATION

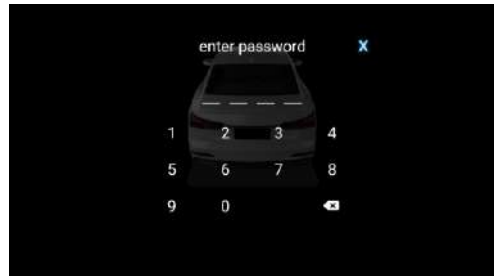
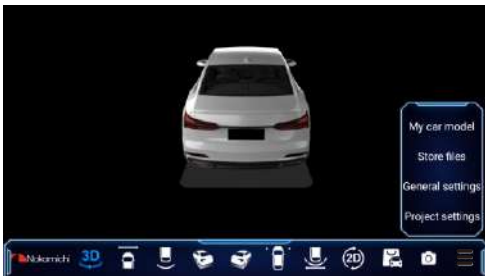
1.Press [] to enter the homepage. 2.Click[] to enter the 360° panorama.



- | | |
|---|--|
|  3D view |  Narrow front view |
|  Front view |  Rear view wide-angle |
|  Rear view |  2D view |
|  3D Left view |  Car Model Mall |
|  3D Right view |  Photos |
| |  Settings |

360° Panorama Settings

Click [] to enter the 360° panorama settings.



Password is 4321.

360 Settings




1.Press [] to enter the homepage.

2.Click [] to select [360].

360° Panorama or Camera Settings




1.Press [] to enter the homepage.

2.Click [] to select [Factory].

Password is 1948.

3.Click [Reverse camera selection] enter the camera selection.

TROUBLE SHOOTING

Not turn on	A fuse is blown	Replace fuse
	Cable connection problem	Reconnect the cable
Radio signal is weak	Occluded by objects	Move to another location
	Antenna connection problem	Rewire the radio antenna
GPS signal is weak	Occluded by objects	Move to another location
	Antenna connection problem	Rewire the GPS antenna
Wifi signal is weak	Wi-fi antenna not connected	Plug in the WIFI antenna In position F
	Too far	Change position
Bluetooth signal that weak	BT antenna not connected	Plug in BT antennas In position F
	Too far	Change position
System stuck	Too many apps that opened	Click to [] close application
	Insufficient storage space	Uninstall the app or clear the storage space
	Systems crash	Push the RST panel button With a pointed object
Bluetooth telephone is not good	Microphone is too far away	Lean into the microphone
		Change microphone position
Music can't be played	Unsupported audio format	Change the music
No video	Brake cable is not connected	Reconnect the brake cable
Unable to play this video	Unsupported video format	Change the video or convert the format
Mirrorphone no sound	Bluetooth is not connected	Bluetooth connection

SPECIFICATION

General

Operation Voltage: 14.4V(10.5-16V)
Operating Temperature: -10°C - +60°C
Storage Temperature: -20°C - +70°C

System

Operating system: NK13.0
RAM: 2GB | 4GB | 6GB
Storage: 32GB | 64GB | 128GB

Bluetooth

Communication System: BT5.0+EDR
Output: BT Standard Power 2 Class
Max Communication Range: 5m
Frequency Band: 2.4GHz

Radio

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

USB Interface

USB: Readable/ Chargeable

Audio

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

TFT Screen Item

9inch, 1280x720IPS
10inch, 1280x720IPS
Contrast ratio: 500
Brightness: 500nit

Video

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

Video Format

H264/ MP4/ AVI/ MKV/ FLV

Audio Format

MP3/APE/AAC/FLAC

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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