Nakamichi

NAM3510-M9
NAM3510-MX

User Manual

Works with Apple CarPlay

works with androidauto

AV MEDIA RECEIVER

nakamichicaraudio.com nakamichi.global nakamichi.caraudio

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WARNINGS & PRECAUTIONS

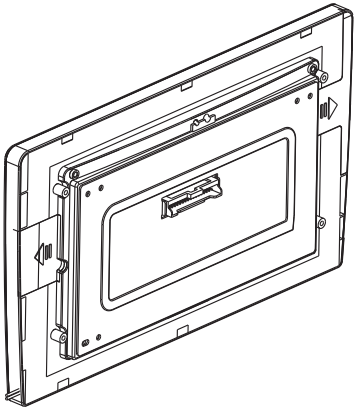
To avoid risk of serious injury or possible violation of laws, please read the following thoroughly before installation or connecting.

- This product is designed specifically for use with 12 volt, negative- ground electrical systems only.
- Having the wiring and installation done by expert.
- Be sure to disconnect the cable from the negative battery terminal while installtion.
- This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, shall be placed on the apparatus.
- Fuses shall be replaced only with the correct type and fuse value, and only when the apparatus is powered off.
- To protect the monitor from damage,do not operate te monitor using a ball point pen or similar tool with a sharp tip.
- To prevent a short circuit,never put or leave any metallic objects(such as coins or metallic tools)inside the unit.
- Never set the volume of this product so high that ou cannot hear outside traffic and emergency vehicles
- Be sure to connect "Parking Break" lead so that the driver can not watch the vehicle is stopped.Failure to do so may result in traffic accident or violation of laws.

PRODUCT FEATURES

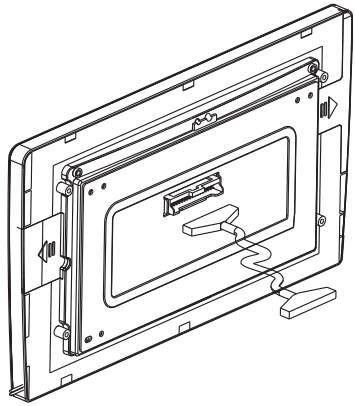
- 1-Din receiver with capacitive screen
- Support Carplay™
- Support Android Auto™
- 9–inch/10.1–inch high-brightness and wide angle screen
- Support Dual USB
- Support Analogue High Definition Camera
- Support Multi–Color key backlight
- Built-in Bluetooth
- Support Bluetooth music playback
- Built-DSP
- Support time alignment
- Built-in 16 band EQ
- Support lossless music
- Support 1080P video playback
- Support MP3/WMA/AAC/FLAC audio playback
- Support H264/WMV/DIVX/FLV video playback
- 2 Video output
- 4V Front and Rear Pre–output
- 3V Subwoofer output
- 1 Video input,2 Audio input
- Support subwoofer output
- Support subwoofer volume control
- Built-in SWI jack
- Maximum power:4x50W
- Support external microphone
- High sensitivity FM/AM, support RDS Presets 18 FM,12AM
- Support steering wheel button learning
- 178x100x108mm installation size
- Costom wallpaper

INSTALLATION



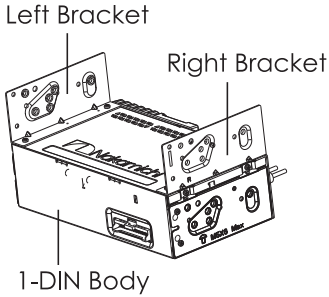
Step 1:

Put the display part into the frame.



Step 2:

Insert the pair of cables into the installed display socket.



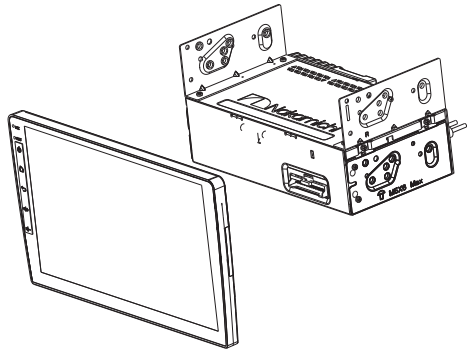
Step 3:

Fix the left and right brackets to the 1-DIN body.

Remarks: The left and right brackets are installed according to the car types, some car types do not need to be installed.

Step 4:

Fix the body in the car center console.



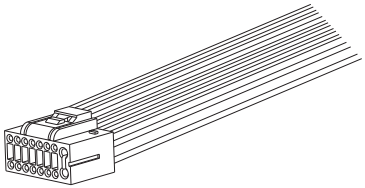
Step 5:

Connect the cable of the installed display to the body.

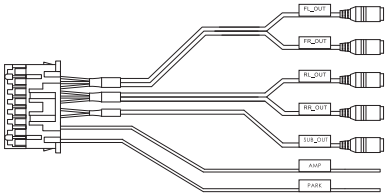
ACCESSORY LIST

Please check the following accessories after opening the package

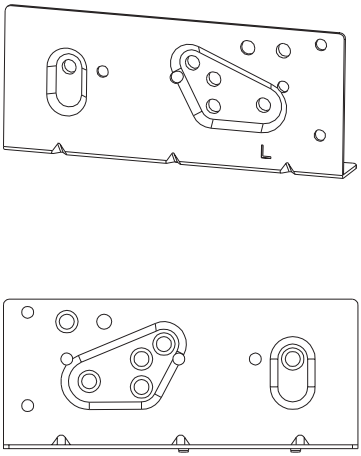
16P Cable x1



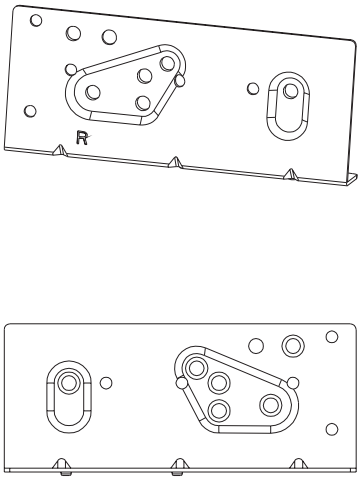
5RCA Cable x1



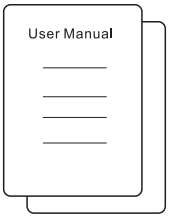
Bracket–L x1



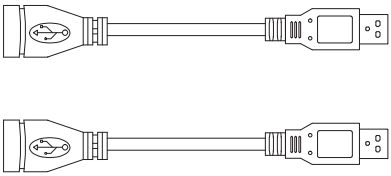
Bracket–R x1



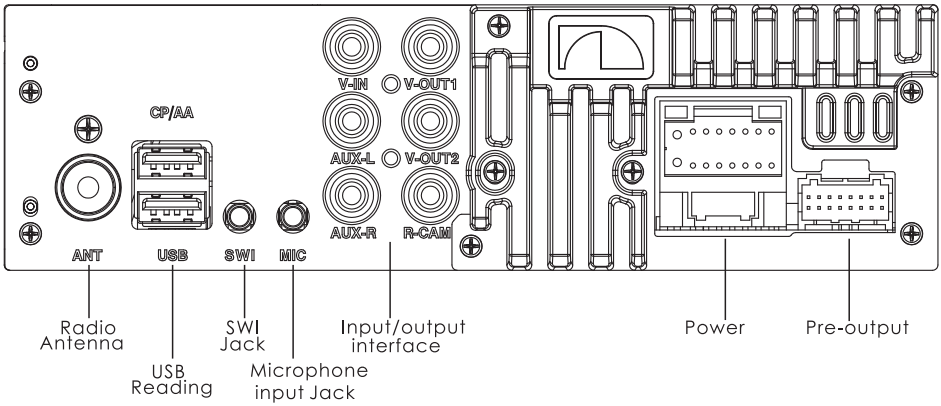
User Manual x1



USB Extension cable x 2



WIRING CONNECTION



Power		
Label	**Color**	**Name**
BATT	Yellow	Battery wire
ACC	Red	Ignition wire
GND	Black	Ground wire
BACK	Pink	Reverse wire
AUTO ANT	Blue	Automatic antenna
ILL	Orange/Black	Lamp control wire
KEY1	Green/White	Steering wheel control wire1
KEY2	Gray	Steering wheel control wire2
FL+	White	Front Left Speaker+
FL-	White/Black	Front Left Speaker-
FR+	Gray	Front Right Speaker+
FR-	Gray/Black	Front Right Speaker-
RL+	Green	Rear Left Speaker+
RL-	Green/Black	Rear Left Speaker-
RR+	Purple	Rear Right Speaker+
RR-	Purple/Black	Rear Right Speaker-

Pre-output		
Label	**Color**	**Name**
FL_OUT	White	Front Left Pre-output
FR_OUT	Red	Front Right Pre-output
RL_OUT	White	Rear Left Pre-output
RR_OUT	Red	Rear Right Pre-output
SUB_OUT	Brown	Subwoofer output
AMP	Gray	Amplifier power trigger
PARK	Brown	Brake detection wire

Input/output interface		
Label	**Color**	**Name**
V-IN	Yellow	Front Left Pre-output
AUX-L	Red	Front Right Pre-output
AUX-R	White	Rear Left Pre-output
V-OUT1	Red	Rear Right Pre-output
V-OUT2	Green	Subwoofer output
R-CAM	Yellow	Reversing camera input

PANEL OPERATION

NO.	OPERATION & CONTROL MODES
1	Built–in Microphone
2	System reset
3	Short press to mute/cancel mute
	Long press to enter/quit standby mode
4	Increase volume
5	Decrease volume
6	Main menu
7	Voice Assistant

HOME PAGE OPERATION

The first time power on,please select:
1.Select the language
2.Select the country
3.Click [√] to enter the main menu,Display as below:

- Home
- Setting
- Page up
- Page down
- Screen saver
- Radio
- Carplay/Android Auto
- Bluetooth phone
- USB playback
- Bluetooth music
- AV input
- Micro SD/TF card playback
- DSP Setting

Remark:

About Carplay/Android Auto：

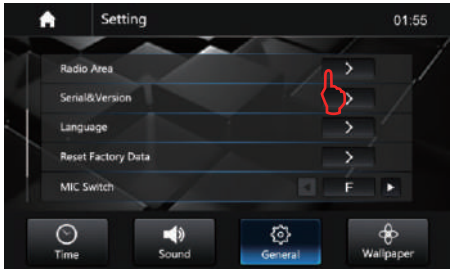
Shows the relevant interface based on your connected device.

RADIO OPERATION

Radio Interface

- Backward
- Forward
- Band selection
- EQ setting
- Automatic search
- DX/LOC switch
- Frequency input

Radio Area Selection



1. Press [□] to enter the Homepage.
2. Click [⚙] to enter setting interface.
3. Click [General] to select [Radio Area].
4. Select the corresponding Radio Area.
5. Select the language as the default lang –uage according to user needs at the first installation and power-up.

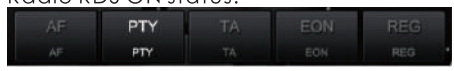
Automatic Search

Press and hold the [Q]for more than 2 seconds,the radio stations that have been searched will be automatically saved the number list below.

RDS Function

1. Press [□] to enter the Homepage.
2. Click [⚙] to enter setting interface.
3. Click [General] to select [RDS].
4. Click RDS to ON:

Radio RDS ON status:



SWI and SWC SWI ON:

SWI : PAC™ –SWI, When SWI is turned on, connect the PAC™-SWI box to operate the steering wheel buttons.

SWC: When SWI is closed, you can enter the steering wheel button learning interface

BLUETOOTH OPERATION

Bluetooth Pairing

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

1. Press [□] to enter the Homepage.
2. Click [Phone] to enter the Bluetooth interface.
3. Turn on the phone's Bluetooth to search:

   If your product is NAM3510-M9,
   Bluetooth name is: NAM3510-M9
   If your product is NAM3510-MX,
   Bluetooth name is: NAM3510-MX

Call Interface

Dial

Calls record

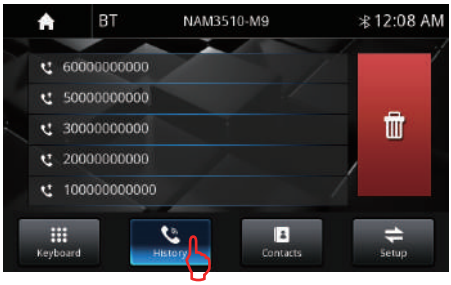
Phone book

Setup

Answer

Backspace

Calling record



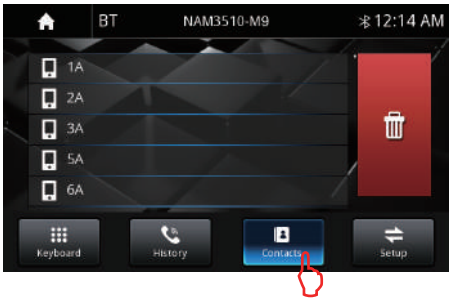
Incoming call

Called

Missed call

Delete

Phone book



BT Setup

MULTIMEDIA OPERATION

Music Playback

1. Press [□] to enter the Homepage.
2. Click [USB] to enter the playback interface.

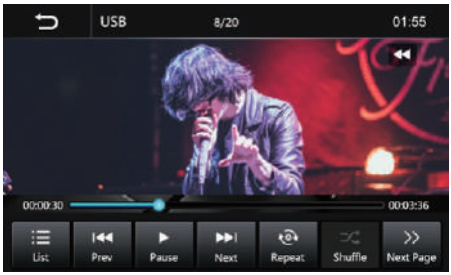
Playlist | Previous track | Play/Pause | Next track

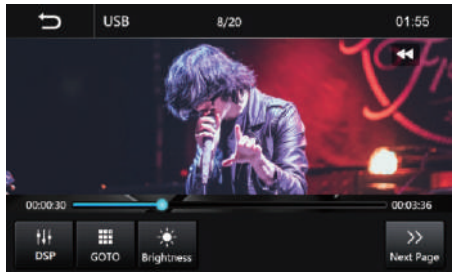
Repeat playback | Random playback | DSP settings | Play selection

Next page

Video Playback

1. Press [□] to enter the Homepage.
2. Click [USB] to enter the playback interface.
3. Click [List] ,Select [ ], Click on the video to play.





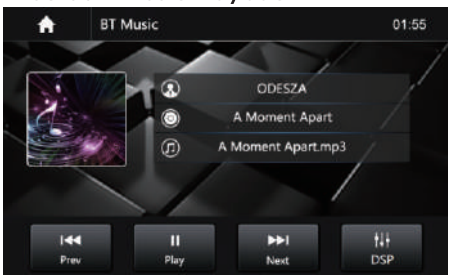
Playlist | Previous video | Play/Pause | Next video

Repeat playback | Random playback | DSP settings | Play selection

Brightness and contrast adjustment

Next page

Bluetooth Music Playback



1. Press [□] to enter the Homepage.
2. Click [BT MUSIC] to enter the bluetooth music playback interface.

Previous track

Play/Pause

Next track

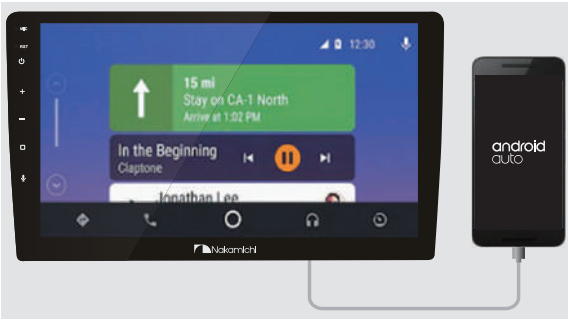
DSP settings

CARPLAY OPERATION

Connect iPhone to enter the Apple Carplay interface

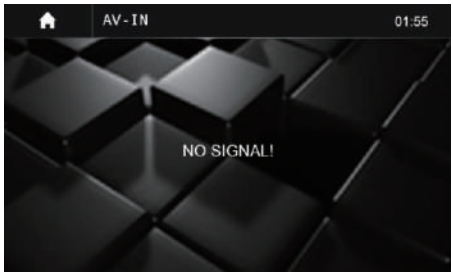
ANDROID AUTO OPERATION

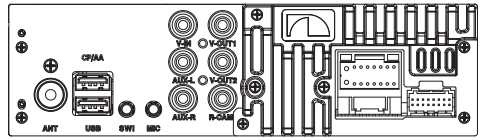
Connect Android Phone to enter the android interface



AV-IN

1. Press [□] to enter the Homepage.
2. Click [AV-IN] to enter the playback interface.





Remark:
When V–IN AUX–L AUX–R is connected to the signal, the AV IN status can be displayed.

V–IN:Video input
AUX–L:Audio Left input
AUX–R:Audio Right input

Surroud Settings (Time Alignment)

1.Press [□]to enter the Homepage.
2.Click [DSP] to enter the DSP Settings.
3.Click [Surround] to enter the Surround settings.

Determining the value for<Position> adjustment.

① Determine the center of the currently set listening position as the reference point.

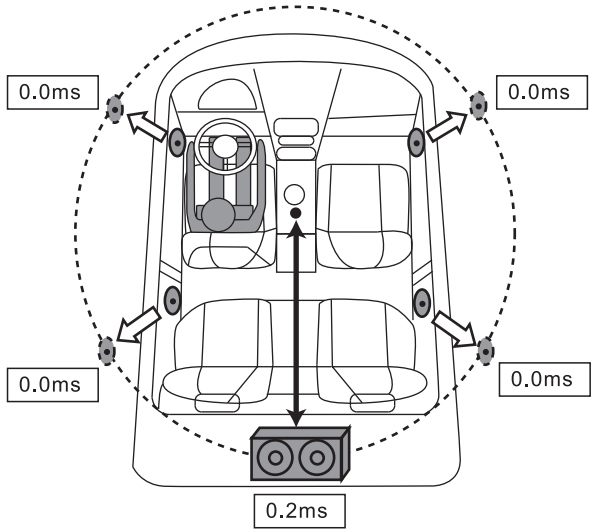
② The adjustable speaker has five directions: front left, front right, back left, back right, and back.

③ The time for the speakers in the five directions to reach the center is the same by default.

④Set the value for each speaker, the delay range: 0-20ms.

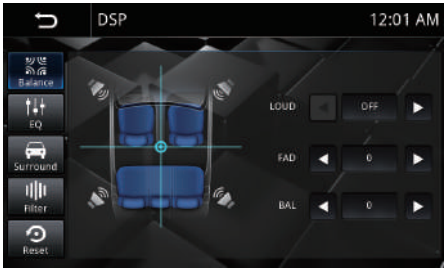
⑤ Adjust the increase or decrease of each speaker, 0.2ms each time.

Example: When <back> is selected as the listening position



DSP OPERATION

Balance Settings



1.Press [☐]to enter the Homepage.
2.Click [DSP] to enter the DSP Settings.
3.Click [Balance] to enter the balance settings.

EQ Settings

1.Press [☐]to enter the Homepage.
2.Click [DSP] to enter the DSP Settings.
3.Click [EQ] to enter the EQ settings.

Filter Settings

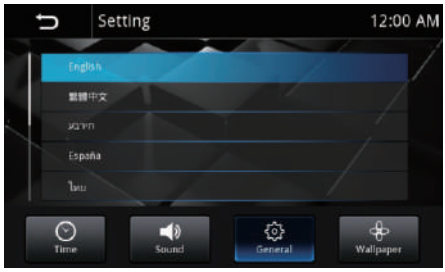
1.Press[☐]to enter the Homepage.
2.Click [DSP]to enter the DSP Settings.
3.Click [Filter]to enter the Filter Settings.

Clock/Calendar Settings

1. Press [☐] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [Time] to enter the year, month, day and time setting.

GENERAL SETTINGS

Language Settings



1.Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [General] to enter the general setting.
4.Click[Language] to enter the language settings.

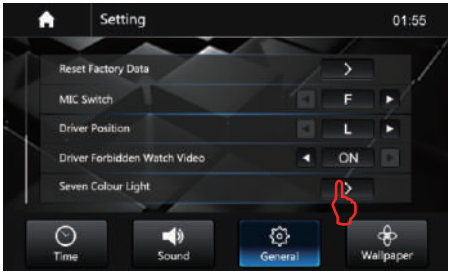
Microphone settings

1.Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [General] to enter the general setting.
4.Click [MIC Switch] to select F or R.
F: Front microphone
R: Rear microphone (Optinal microphone jack on the rear)

Steering Wheel Learning

1.Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [General] to select [SWC],to enter the steering wheel learning.
4.Click on the function that needs to be learned on the screen.
5.Press the button needed for the car steering wheel.
6.Click to [Save].

Key Lighting Settings

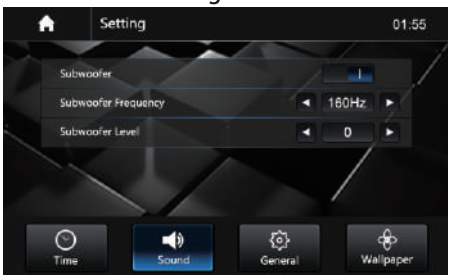


1.Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [General] to enter the general setting.
4.Click [Seven Colour Light] to enter the key lights settings.

Reverse Volume Adjustment

1. Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [Sound] to enter the sound setting.
4.Click the[◀][▶]of the reverse volome to adjustment.

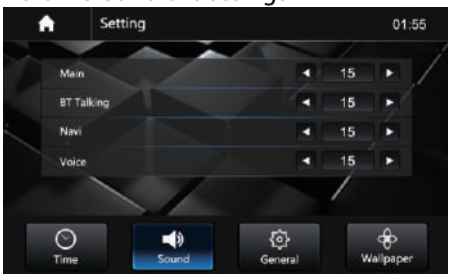
Subwoofer Settings



1. Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [Sound] to enter the sound setting.
4.Click [Subwoofer] to enter the sub-woofer settings.

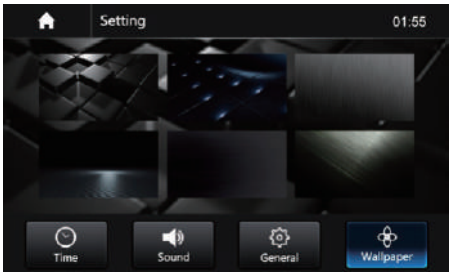
ON OFF

Volume Control Settings



1. Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [Sound] to enter the sound setting.
4.Click[Volume Control] to enter the vol-ume settings.

Custom Wallpaper



1.Press [□] to enter the Homepage.
2.Click [⚙]to enter the setting interface.
3.Click [Wallpaper] to enter the wallpaper replacement.
4.Select the wallpaper that needs to be replaced.
5. Click [√],confirm to set wallpapers.

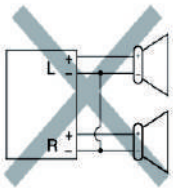
Remarks:
Does not support customize the wallpaper through the USB or mico SD/TF.

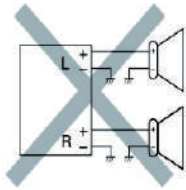
COMMON TROUBLE-SHOOTING

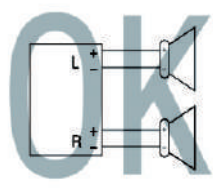
Problem	Cause	Correct action
Can not power on	Check fuse	Change fuse same as the old one Maximum current of fuse: 15A
	Some factors cause MPU wrong operation	Press RESET button on the panel by penpoint, then, power on
After ignition switch off, setting information all lose	Change battery or fuse	Reset information and save
Poor performance of radio station	Weak signal	Move the car to another place, then research

PRECAUTIONS ON POWER SUPPLY AND SPEAKER CONNECTIONS:

- 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 powet cord to the speakers, check the speaker wiring in your car.







SPECIFICATIONS

General

Operation Voltage:
14.4V(10.5-16V)
Installation Size:
178 x 100 x 108mm
Operationg temperature:
-10℃- +60℃
Storage Temperature:
-20℃- +70℃
Net Weight:1.3kg(NAM3510–M9)
1.5kg(NAM3510–MX)
Fuse: Small fuse (11x16.5mm)
:15A(Blue)

TFT Screen Item

Size: 9"(NAM3510–M9)
10.1"(NAM3510–MX)
Display Resolution: 1024x600
Contrast ratio:500
Brightness:500nit

Bluetooth

Communication System:
BT5.0+EDR
Frequency Band: 2.4GHz
Max Range: 5m

Audio

Max Power: 4x50w
Front Output(V): 4V/10KΩ
Pre-output impedance: ≤600Ω
Speakers impedance: 4-8Ω

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

USB Interface

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

Radio

FM Frequency: 87.5-108.0MHZ
AM Frequency: 522-1620KHZ
Presets:18 FM,12AM

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