



# NA2650 AV Media Receiver User Manual



Enjoy the Lifestyle of In-Car Entertainment

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Thank you for purchasing a Nakamichi products.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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# INTRODUCTIONS

## View demo before first use

Please preview those advance features of this unit through the DEMO mode on this unit.

1. Access to general settings.



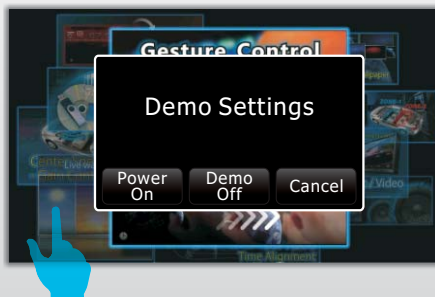
2. Turn on the demo mode.



3. Press & hold this button to power off the unit, demo will be play automatically.

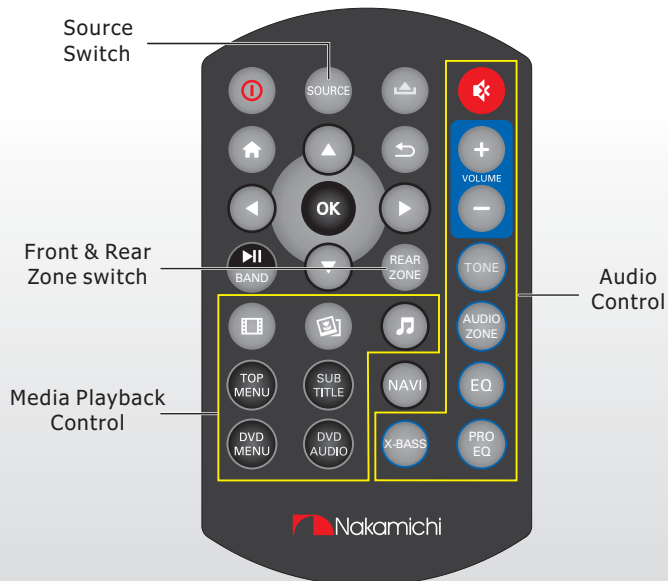


4. Tap to stop



# INTRODUCTIONS

## Overview the unit



# INTRODUCTIONS

## Basic operations

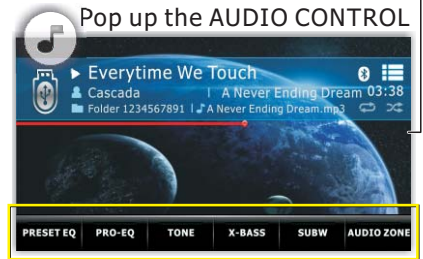
Access to HOME



Access to CLOCK / WIDGETS



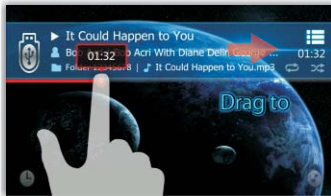
Pop up the AUDIO CONTROL



Direct to PLAYBACK TIME



Swipe for DRAG TO



Swipe left/right for UP/DOWN



Rotate for VOLUME adjust



Tap center to MUTE



# AV MEDIA

## Listening to the radio

Swipe left/right AUTO SEEK



Tap MANUAL SEEK



Tap BAND to change to FM or AM



PRESET LIST/  
TUNER FUNCTION





# AV MEDIA

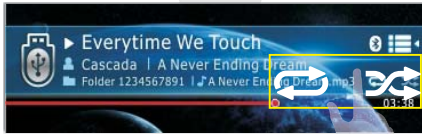
## Playing the music

Swipe drag to  
PLAYBACK TIME

Tap direct go  
PLAYBACK TIME

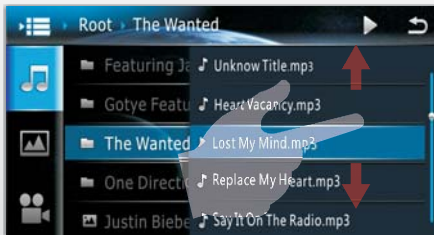
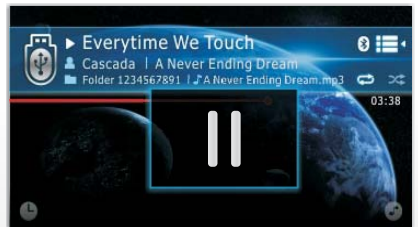
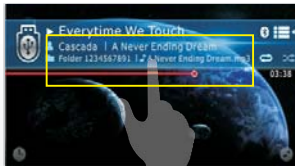


Swipe UP/DOWN



Tap REPEAT / RANDOM

Tap PLAY / PAUSE



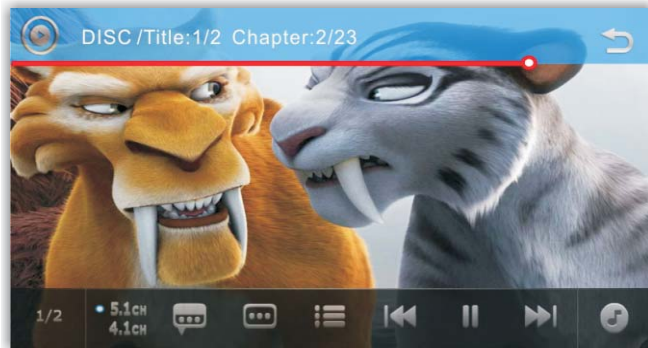
QUICK BROWSER

Operation steps:

- TIPS**
1. Connect the desire playback device(USB/SD/iPod) to the USB or SD socket.
  2. Access to HOME, then tap the desire playback device(USB/SD/iPod).
  3. Playback starts.

# AV MEDIA

## Enjoying the movie

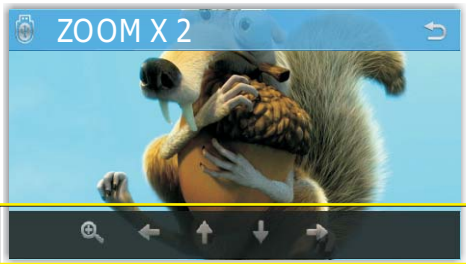
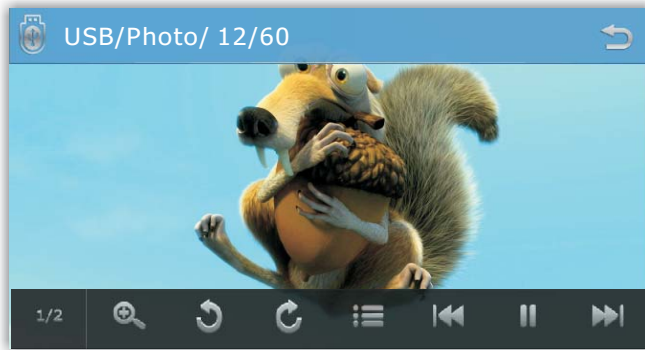


1/2 2/2	Change function bar
5.1CH 4.1CH	5.1CH & 4.1CH selection
	Select the audio type. (For DVD-VR:Select the audio channel)
	Subtitle type.
	Top Menu or Browser
	Previous, Pause /Play, Next
	Audio Settings
4:3 16:9	Select aspect ratio
	Brightness
	Contrast
	Saturation
	Repeat playback mode
	Zoom the video & photo
PBC	PBC on/off (VCD only)

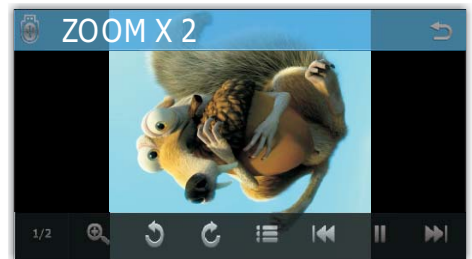


# AV MEDIA

## Viewing the photo



When zoom x2,x4,x8 will pop up the arrow button to move the photo.



Rotate function only can support for original size photo.

	Rotate left
	Rotate right
	Move left the zooming frame
	Move up the zooming frame
	Move down the zooming frame
	Move right the zooming frame

# AV MEDIA

## Sharing your iPod / iPhone

### iPod/iPhone music playback

Head unit control mode



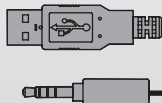
iPod/iPhone control mode



### iPod touch / iPhone video playback



Remark: iPod / iPhone A/V cable is not included in this packing



# BLUETOOTH

## Using bluetooth

How to pair & connect device ?



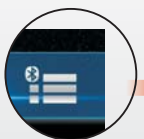
Pairing code "0000"



How to disconnect ?



How to delete ?



# 2 ZONE

## Rear entertainment zone

### Rear entertainment zone settings

Tap 2 ZONE



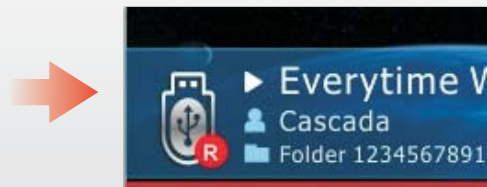
Turn on the 2 ZONE mode



Select REAR ZONE playback device.



Rear Zone mode is USB



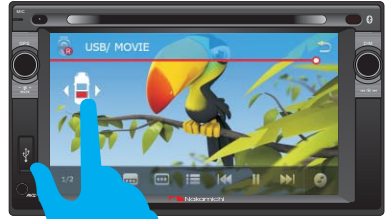
# 2 ZONE

## Rear entertainment zone

Switching between FRONT & REAR ZONE for operation



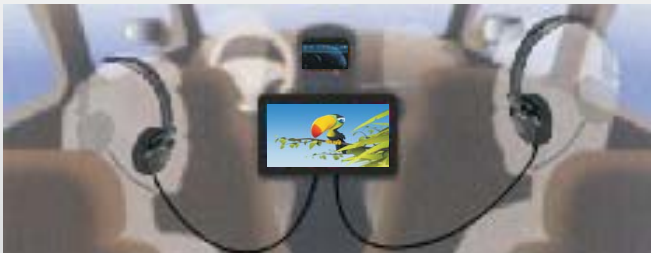
Switch to  
REAR ZONE



Switch to  
FRONT ZONE

### Off Rear speaker output

Rear audio output is through rear monitor audio system



When 2 zone mode is on, 5.1CH is not available.

# AUDIO ADJUSTMENT

## Equalizer

### 10 Preset EQUALIZER



**TIPS** Access to user preset EQ mode

### Preset EQ(USER)



Resume to factory default value

### 11 Band professional EQ



### 3 Band Tone control



### X-BASS Enhance





# AUDIO ADJUSTMENT

## Sub-woofer

### SUB-WOOFER settings

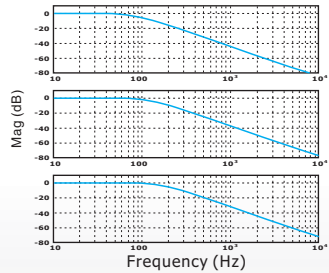


### Low Pass Filter Transfer Function

80 Hz

120 Hz

160 Hz





# AUDIO ADJUSTMENT

## Speaker

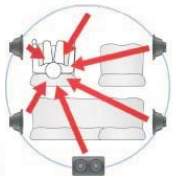
### Audio Zone

7 preset listening zone to fit with perfect listening position

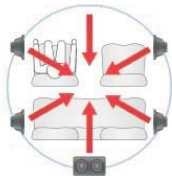


### Custom Made Time Alignment

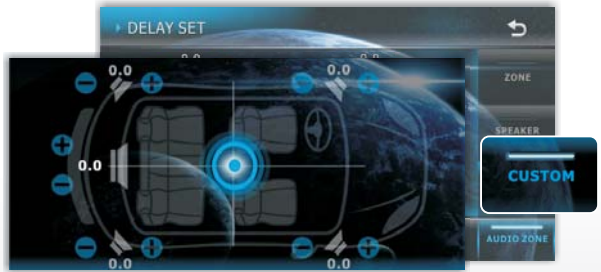
Precisely adjust each speaker including Sub-Woofers speaker output timing according to its distance from the listening position



WITH  
TIME ALIGNMENT



WITHOUT  
TIME ALIGNMENT



Adjust fader & balance to get the perfect sound.



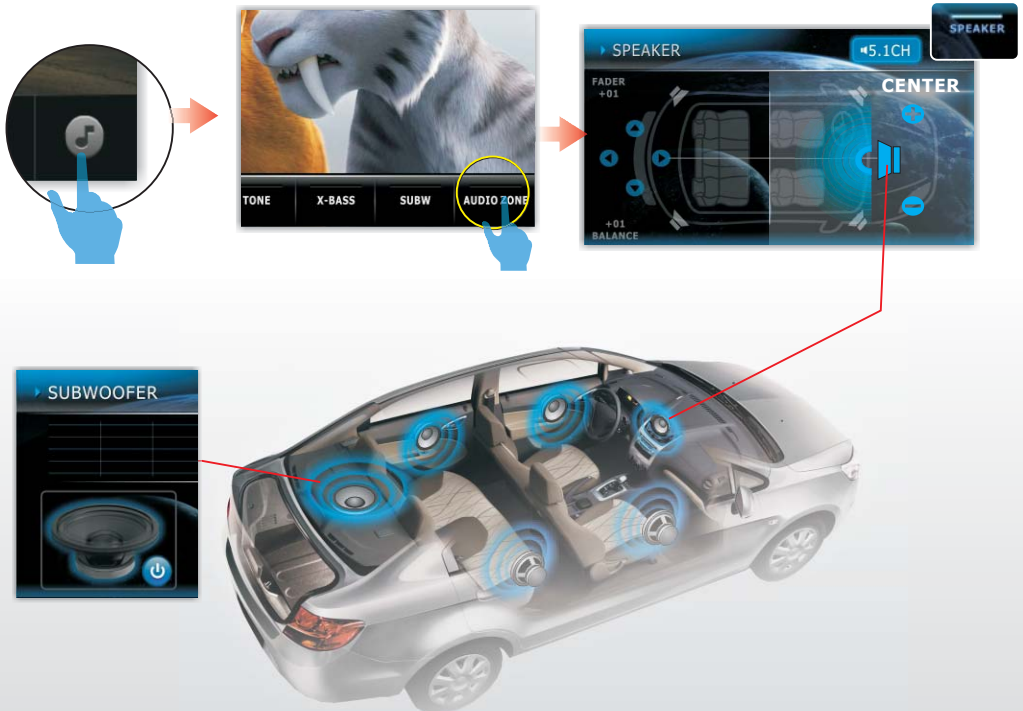
# AUDIO ADJUSTMENT

## 5.1 Audio playback

How to activate 5.1 audio mode



How to adjust 5.1 audio speaker setting

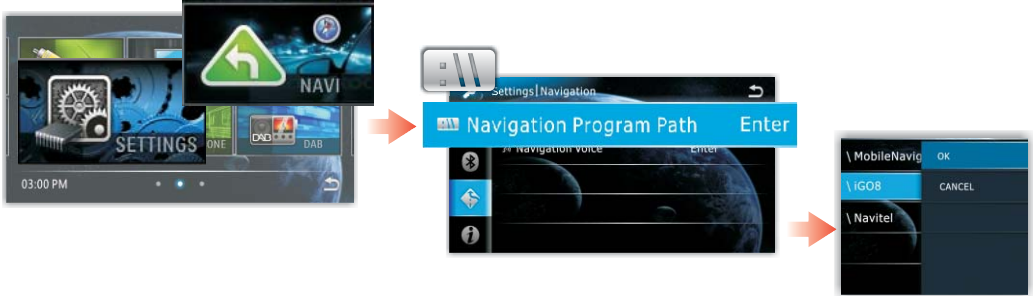


- TIPS**
1. Please read details of recommended 5.1 audio speaker connection in the manual of installation / connection (QSG).
  2. XBASS & ZONE function is not available when 5.1 audio playback mode is switch on.

# NAVIGATION

## Navigation settings

Set the navigation program path



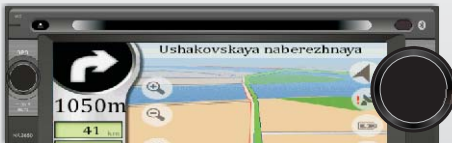
Navigation Voice Output

Select the voice output from the desire speaker location



Navigation Voice scale Level

Adjust the voice level scale between playback sound



While GPS Navigation is running, rotate this knob can adjust the voice gain level.

# REFERENCE

## Specifications

### TFT Monitor section

Screen Size	:6.2 inches
Display Resolution	:800x480 dots
Contrast Ratio	:500

### Disc player section

Disc System	:DVD/CD/VCD
Disc Diameter	:12cm
Frequency Response	:20Hz - 20kHz
Signal/Noise Ratio	:>75 dB
Total Harmonic Distortion	:Less than 0.3%
Channel Separation	:>55 dB
Video Signal Format	:NTSC/PAL
Video Output	:1+/-0.2V p-p

### USB interface section

USB Standard	:USB 2.0 Full Speed
File System	:FAT 16/32
Maximum Current	:DC 5V= 1A
D/A Converter	:24Bit
Video Decoder	:MPEG1/MPEG2
Audio Decoder	:MP3

### Memory Card section

Memory Cards	:SD/SDHC
Maximum Capacity	:32G

### Bluetooth section

Communication System	: Bluetooth Standard version 2.0
Output	: Bluetooth Standard Power Class 2
Maximum Communication Range	: Approx. 5meters
Frequency Band	: 2.4 GHz
Compatible Bluetooth Profiles	: HFP/HSP/A2DP/AVRCP
Supported Codecs	: SBC (Sub Band Codec)

### Radio section

Frequency FM range	: 87.5 - 108.0 MHz
Frequency AM(MW) range	: 522-1620 KHz
Usable sensitivity	: 2 $\mu$ V (FM) : 80 $\mu$ V (AM)(MW)

### Video section

Color System of External Video Input	: NTSC/PAL/SCEAM
External Video Input (RCA/3.5m Jack)	: 1 Vp-p /75 $\Omega$

### Audio section

Maximum Power	: 50Wx4
Continuous Power Output (RMS)	: 22 Wx4
Preout Level (V)	: 5 V/10k $\Omega$
Preout Impedance	: $\leq$ 600 $\Omega$
Speaker Impedance	: 4-8 $\Omega$
External Audio Input Level (RCA)	: 1 V/10K $\Omega$
External Audio Input Level (3.5mm Jack)	: 600mv/10K $\Omega$ (<1%THD)

### General

Operating Voltage	: 14.4V(10.5-16 V)
Dimension(WxHxD)	: 178x102x172mm
Operational Temperature Range	: -10°C-+60°C
Storage Temperature Range	: -20°C-+80°C
Weight	: 1.96 kg



Design and specifications are subject to change  
without notice

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