Nakamichi®

NA1600
AV Media Receiver
User Manual

Enjoy the Lifestyle of In-Car Entertainment

1. FCC STATEMENT

1.1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

1.2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:
This quipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

● Reorient or relocate the receiving antenna.
● Increase the separation between the equipment and receiver.
● Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
● Consult the dealer or an experienced radio/TV technician for help.

Nakamichi® CE 0700 **MODEL NO.: NA1600**

POWER SUPPLY: 12V DC NEGATIVE GROUND
SPEAKER IMPEDANCE: 4-8 OHMS
FREQUENCY RANGE:

FM   87.5-107.9 MHZ
AM(MW) 530-1710 KHZ

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES AND REGULATIONS.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.
THIS PRODUCT COMPLIES WITH RULE 21 CFR SUBCHAPTER J PART
1040 AT THE TIME OF MANUFACTURE.   DHHS CODE:1438241

E4 10 R - 03 2317

CLASS 1
LASER PRODUCT

FCC ID:2AB7S-NA1600
www.nakamichicaraudio.com

POWER OUTPUT		
A4	YELLOW	BATTERY(+)
A5	BLUE	CONNECT TO SYSTEM CONTROL TERMINAL OF THE POWER AMP
	BLUE/White	AUTO ANTENNA RELA CONTROL TERMINAL (max 150mA 12VDC)
A7	RED	IGNITION (ACC)
A8	BLACK	GROUND

SPEAKER OUTPUT		
B1	VIOLET	RIGHT REAR SPEAKER (+)
B2	VIOLET/BLACK	RIGHT REAR SPEAKER (-)
B3	GREY	RIGHT FRONT SPEAKER (+)
B4	GREY/BLACK	RIGHT FRONT SPEAKER (-)
B5	WHITE	LEFT FRONT SPEAKER (+)
B6	WHITE/BLACK	LEFT FRONT SPEAKER (-)
B7	GREEN	LEFT REAR SPEAKER (+)
B8	GREEN/BLACK	LEFT REAR SPEAKER (-)

Serial No.

Europe – EU Declaration of Conformity
This device complies with the essential requirements of the R&TTE Directive 1999/5/EC.
The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

ETSI EN 301 489-1 V1.9.2: 2011
ETSI EN 301 489-17 V2.2.1: 2012
ETSI EN 300 328 V1.8.1: 2012
EN 62479: 2010
EN 60065: 2002+A1: 2006+A11: 2008+ A2: 2010+ A12: 2011

CONTENTS
Contents

Thank you for purchasing Nakamichi products.

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

Overview the unit

Eject

Increase Volume

Decrease Volume

Reset

USB Socket

Aux In Socket

Mic

Hold: **Power**
Press: **Mute**

Hold: Navigation
Press: **Home**

GPS Map Card Socket

Mute

Dimmer

List browser

Up/Down

Home

Confirm

Tune for radio station
Skip/search for track
Fast backward/forward playback

Radio band
play/Pause

DVD playback control

Power

Adjust the function

Volume level

Return/Exit

Setting menu

EQ mode

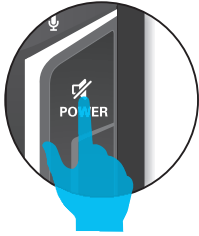iX-BASS (booster function)

Dynamic bass boost sound

INTRODUCTIONS
Get started

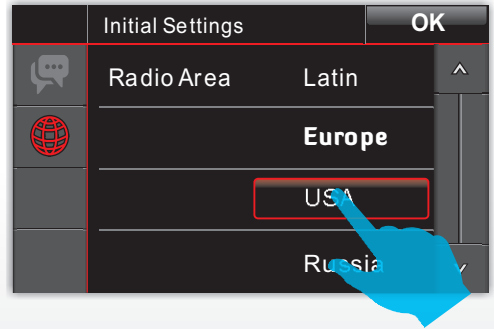Please select the suitable Language & country/region for this unit, otherwise the unit can not work properly.

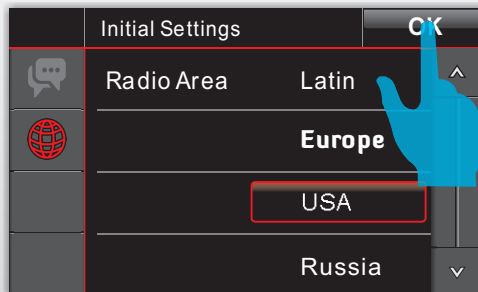1. Press this button to power On the unit, The available OSD are displayed.

POWER

Initial Settings	
Language	English
	Português
	繁体中文
	簡体中文

2. Tap to select suitable a language

Initial Settings	
Language	**English**
	Português
	繁体中文
	簡体中文

3. Tap to select suitable a country /region

Initial Settings	OK
Radio Area	Latin
	Europe
	USA
	Russia

4. Tap OK button to confirm

Initial Settings	OK
Radio Area	Latin
	Europe
	USA
	Russia

INTRODUCTIONS
Basic operations

Access to HOME

Tap to MUTE

Mute

Access to CLOCK

2013 — FEB — 23
02 34 PM
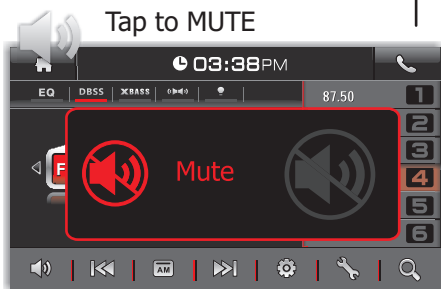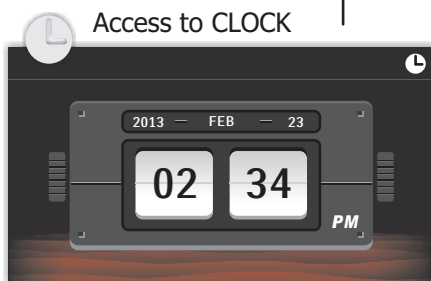
Audio Control
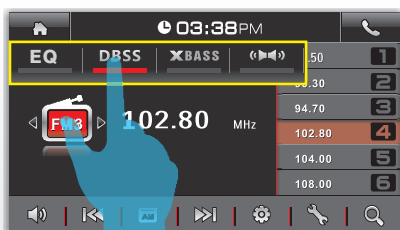
Adjust the dimmer level

Access to Setup Menu

Setup

Audio   EQ   System

Information   Bluetooth   GPS
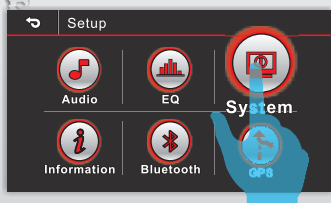
Access to system settings

System

□ General
□ Screen
□ SWC Learning
□ External Box
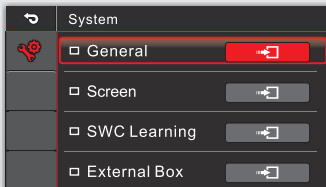
Access to General settings

General

□ Beep   OFF
□ Clock Mode   12H
□ Date / Time
□ Language   English
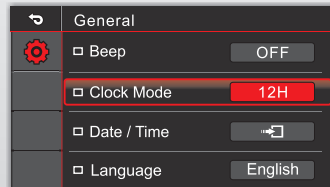
AV MEDIA
Listening to the radio

Tap on [icon] button on the TFT screen access into the tuner function.

Tap BAND to change to FM or AM

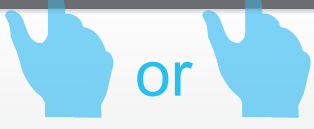Tap on [icon] button into the Tuner Function menu.

Press to AUTO SEEK
Press and hold to MANUAL SEEK

or

Tap to Auto Store

Press and hold to Store stations

Preset List
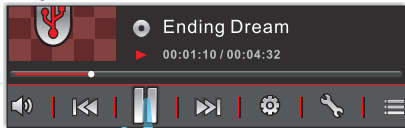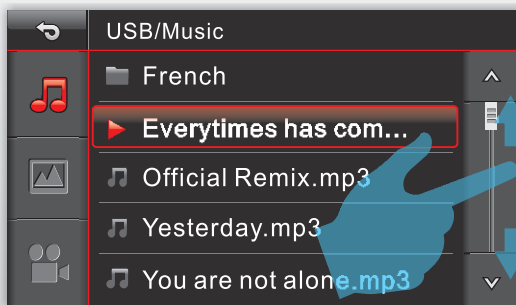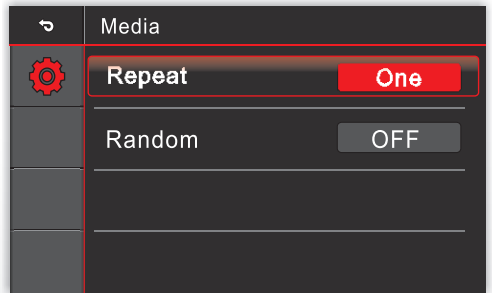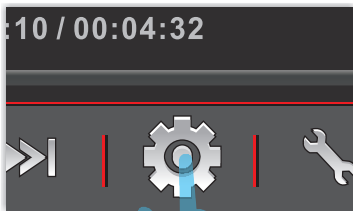
Playing of Music

Tap UP/DOWN
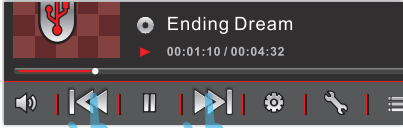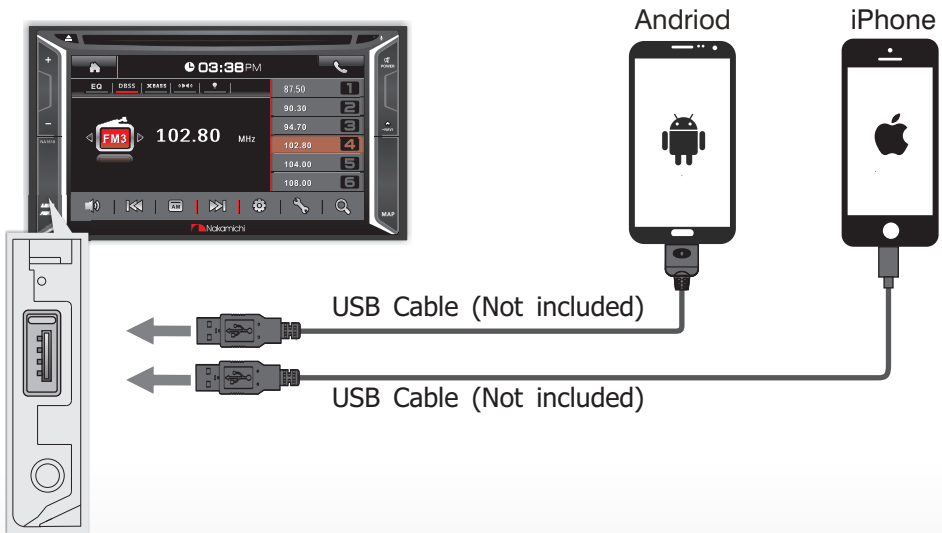

Tap PLAY/PAUSE

Adjust the different REPEAT mode

Quick Browser

USB Smart Phone 1A Charge

This unit can support USB Samrt Phone 1A Charge.

● Open the USB Socket cover to left.

● Insert the iPhone or Smart Phone device into the USB socket.

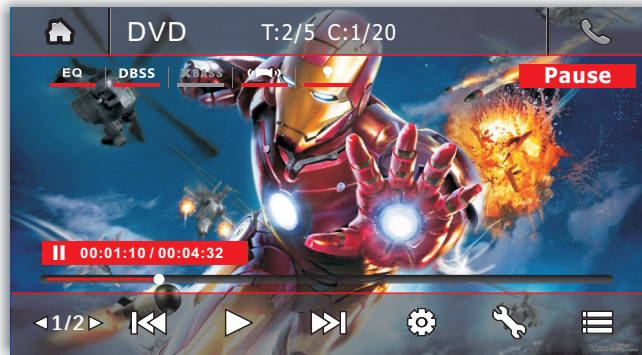● Once is recognized, the iPhone or Smart Phone begins to charge.

Andriod   iPhone

USB Cable (Not included)

USB Cable (Not included)

TIPS

1. The device only can charge Phones, but cannot play or decode music files stores inside the Smart Phones.

2. Connect the desire playback device USB to the USB socket, access to the HOME, then tap the ☐ to start playback mode.

Enjoying the movie

🏠	Home menu
1/2 2/2	Change function bar
⏮ ⏸/▶ ⏭	Previous, Pause /Play, Next
⚙	Media function menu.
🔧	access to system menu
☰	Top Menu or Browser
💬	Select the audio type. (For DVD-VR:Select the audio channel)
🔁	Repeat playback mode
GOTO	Access into the search mode (DVD only).
← → ↑ ↓	Up/Down/Left/Right
🔍	Zoom the video & photo
4:3 16:9	Select aspect ratio

AV MEDIA
Viewing the photo
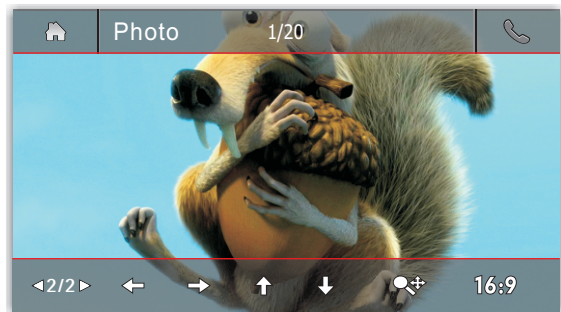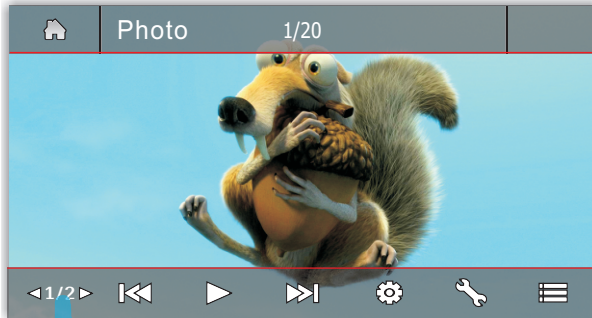
1/2 2/2	Change function bar
☰	Top Menu or Browser
←	Move left the zooming frame
↑	Move up the zooming frame
↓	Move down the zooming frame
→	Move right the zooming frame
🔍	Zoom the photo

AUDIO ADJUSTMENT
Speaker/Subwoofer

Access to System Menu
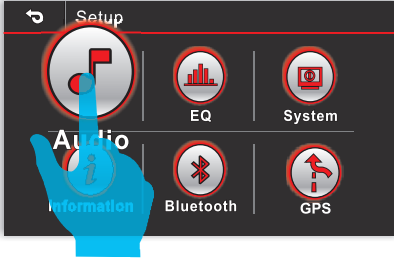
Speaker settings

Access to Audio Menu
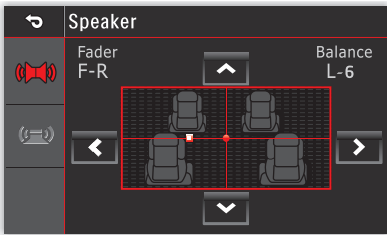
Adjust Fader/Balance Value From -12 to +12
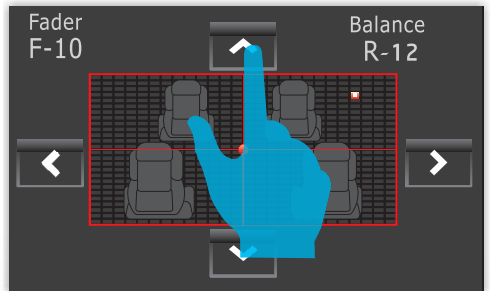
SUB-WOOFER settings

Touch 🔘 to turn On / Off the subwoofer

Tap on ➕ /➖ buttons to adjust value of subwoofer level.
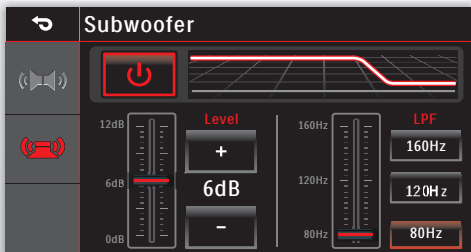
Low Pass Filter Transfer Function

160Hz

120Hz

80Hz

Equalizer

6 Preset EQUALIZER
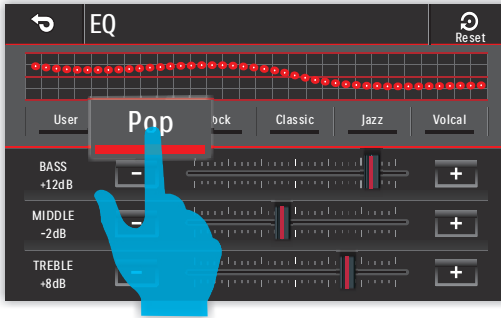
Tap on **+/−** button to adjust the level:

- [BASS]: bass level range -15dB to +15dB.
- [MIDDLE]: middle level range -15dB to +15dB.
- [TREBLE]: treble level range -15dB to +15dB.

 Resume to factory default value
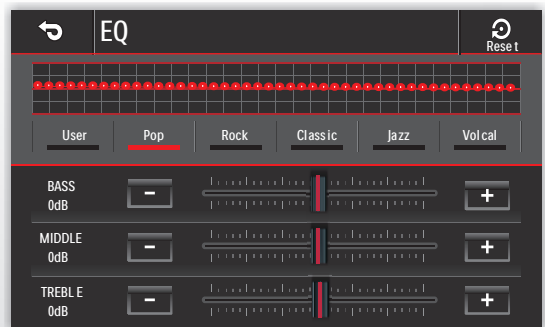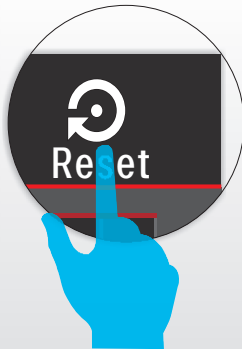
BLUETOOTH
Using bluetooth

How to pair & connect device ?

NAKAMICHI   Connected
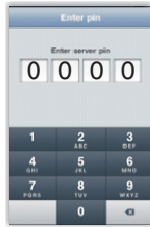
Pairing code "0000"

Connected Ok   iPhone 4S

EQ | DBSS | BASS

♪ Everytime We Touch.mp3
Cascade
Ending Dream
00:01:10 / 00:04:32
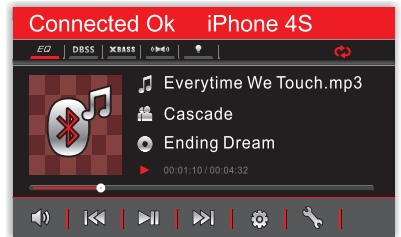
Connecting

Making A Call

Dial

18673 _

1	2	3
4	5	6
7	8	9
*	0 +	#

Calling...
0860101872903

Call Transfer

0860101872903
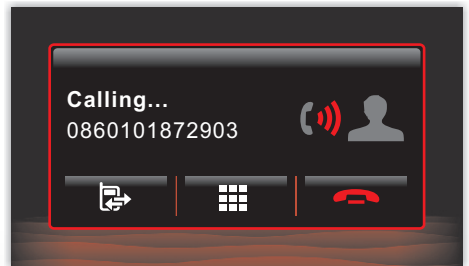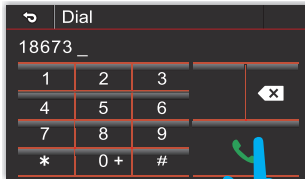
**Call Transfer
to Cellphone !**
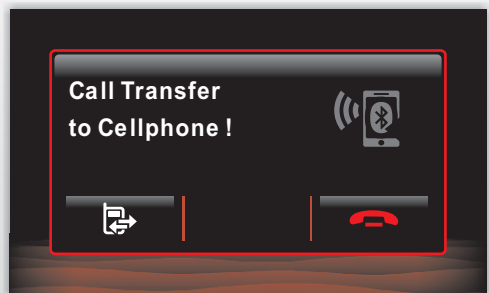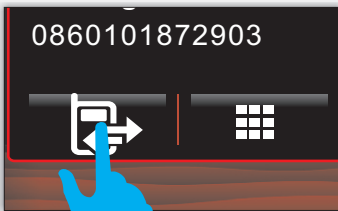
External Box
Mirror Phone/Analog TV/DVBT Box

This unit can support connecting the External box: Mirror Phone Box / Analog TV Box / DVBT Box.

TIPS

Before operating the External Box function, please go to Setup Menu to select proper type of the external box.

EXT BOX

EXT Box
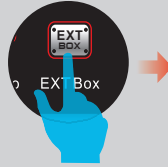
To enable the external box

Please access
Setup/System/External Box
for select proper type
of the external box

Access to Setup Menu

Setup

Audio | EQ | System
Information | Bluetooth | GPS

Access to System Menu

System

□ General
□ SWC Learning
□ External Box

To select proper type mode

External Box
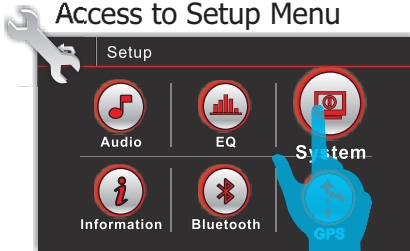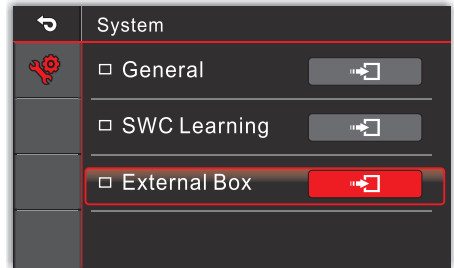
□ Mirror Phone Box ✓
□ Analog TV Box
□ DVB-T
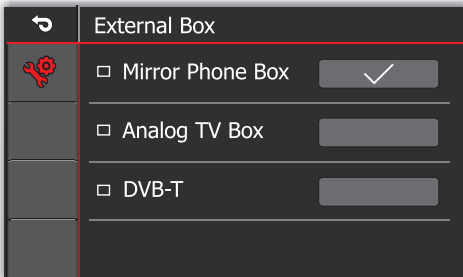
TIPS

1. Access to HOME, tap [image] or [TV] to active the Mirror Phone Box / Analog TV / DVBT function.
2. For the detailed operation of each mode, please refer the User Guide.

Navigation Settings

Access to Setup Menu

Setup

Audio | EQ | Sy

Information | Bluetooth | GPS

Access to GPS Setting

GPS

☐ GPS Power **ON**

☐ GPS Voice
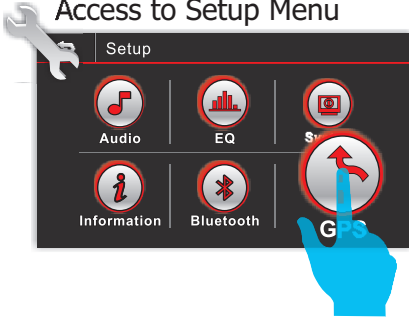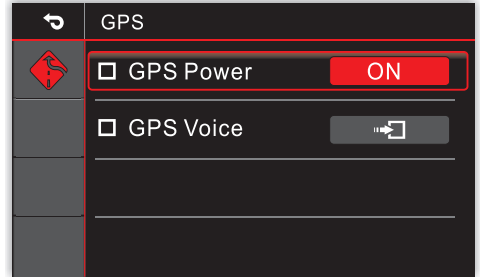
Navigation Voice Setting

GPS Voice

Mix

OFF

VOL:15
+
−
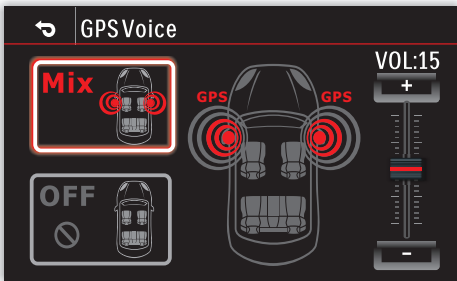
Turn Off the Navigation Voice

GPS Voice

Mix

OFF

VOL:00
+
−
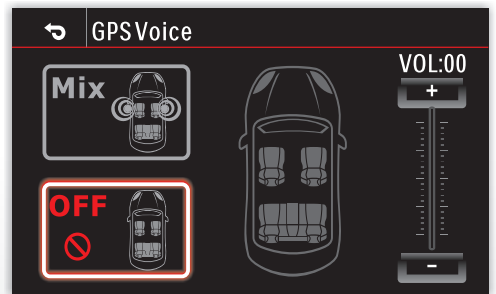
TIPS

1. If the GPS Navigation mode is off, tap ⚠ , the right OSD will display.
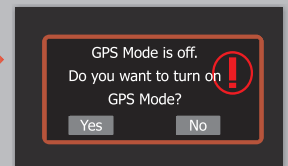
2. For the detailed operation, please refer the "Navigation User Manual"

GPS

GPS Mode is off.
Do you want to turn on GPS Mode?
Yes | No

14

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
Decoding Format	:MP3/avi/WMA/MPG1/ MPEG2

Radio section

Frequency FM range	: 87.5 - 107.9 MHz
Frequency AM(MW) range	: 530-1710 KHz
Usable sensitivity	: 2 uV (FM)
	: 80 uV (AM)(MW)

USB interface section

|	
USB Standard	:USB 2.0 Full Speed
File System	:FAT 16/32
Maximum Current	:DC 5V$=$1A
D/A Converter	:24Bit
Decoding Format	:MP3/avi/WMA/MPG1/ MPEG2

Video section

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

Audio section

Maximum Power	: 50Wx4
Continuous Power Output (RMS)	: 22 Wx4
Preout Level (V)	: 2 V/10kΩ
Preout Impedance	: $\leqslant$ 600Ω
Speaker Impedance	: 4-8 Ω
External Audio Input Level (RCA)	: 1 V/10KΩ
External Audio Input Level (3.5mm Jack)	: 600mv/10KΩ (<1%THD)

Bluetooth section

Communication System	: Bluetooth Standard version 2.1+EDR
Output	: Bluetooth Standard Power Class 2
Maximum Communication Range	: Approx. 5meters
Frequency Band	: 2.4 GHz
Compatible Bluetooth Porfiles	: HFP/HSP/A2DP/AVRCP
Supported Codecs	: SBC (Sub Band Codec)

Navigation Section

Reception system	:20 channel multi-channel reception system
Reception frequency	:1575.42MHz
Sensitivity	:-130dBm
Position update frequency	:Approx.once per second

General

Operating Voltage	: 12V
Dimension(WxHxD)	: 178x102x172mm
Operational Temperature Range	: −20°C-+35°C
Weight	: 1.9 kg

Nakamichi®

Design and specifications are subject to change without notice

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www.nakamichicaraudio.com