GRUNDIG

GX-2800
User Manual

6.8"
In Car
Display
Audio

GRUNDIG

GERMAN DESIGN • GERMAN TECHNOLOGY

GRUNDIG

Overview Of The Unit

◆ Functions of the Buttons on the Head Unit

Return Previous Item

Access to Audio Control

Reset

Switch Clock

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

Hold: **Voice Assistant**
Press: **Home**

Volume Up

Volume Down

USB Socket

12:38 AM

92.50 MHz

I◄◄ FM2 AM1 ►►I ≡

87.50   90.00   92.50   98.50   106.00   108.00
1   2   3   4   5   6
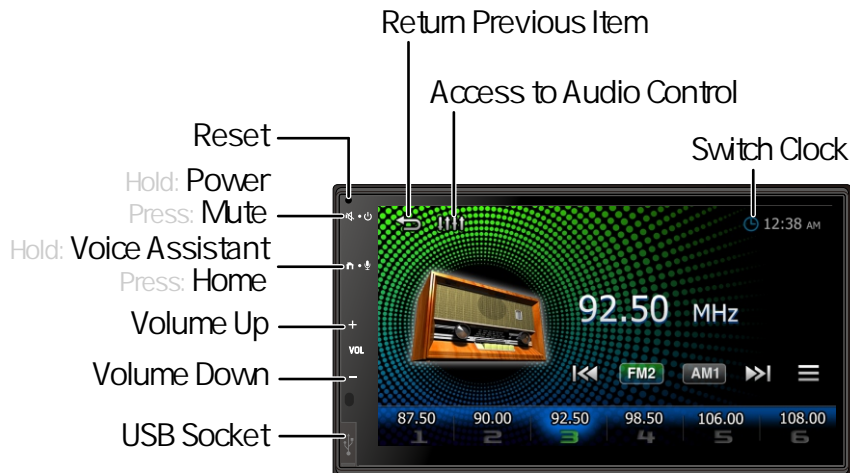
◆ Home Screen Descriptions

Return To
Previous Item

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Bluetooth Audio

Tuner Radio

Front USB

Bluetooth Phone

AV In

Phone Mirroring

Audio Setting

Setting Menu

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Radio Operation

1. Displays the information of the current station
2. Switches the FM/AM band
3. Recalls the memorized station.(When tap and hold to stores the current receiving station in memory.)
4. Tunes in a station with good reception automatically.
5. Displays the Radio Setup screen

Radio Setup

Item	Selectable setting
Auto Store	Automatically searches and stores the stations with the strongest signals for the selected band.
Area	Select suitable country area for this unit.
Local Seek	◆ ON: only stations with strong signal can be broadcast. The Local indicator will light up. ◆ OFF: Stations of both strong and weak signals can be broadcast.
RDS	Turn On or Off the RDS function.
AF	When station reception is poor, automatically switches to the station that is broadcasting the same program over the same Radio Data System network.
TA	Switches to the traffic information automatically when the traffic bulletin starts.
RDS Clock Sync	Synchronizing the Radio Data System station time data and this unit's clock.
PTY	Select a program type from the list.
PTY Seek	Search a station of the selected program type.

USB Media Operation
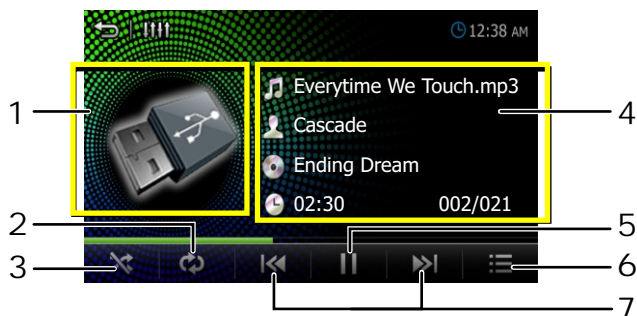
1. Artwork (Shown if the track contains artwork)
2. Tap repeatedly to Repeat playback mode
3. Tap repeatedly to Random playback mode
4. Displays the information of the current file
5. Play/Pause
6. Displays playback contents list
7. Searches the previous/next content. Tap and hold to fast forward or fast backward

USB Album Art Wallpaper

You can set the Album Art to the background image.
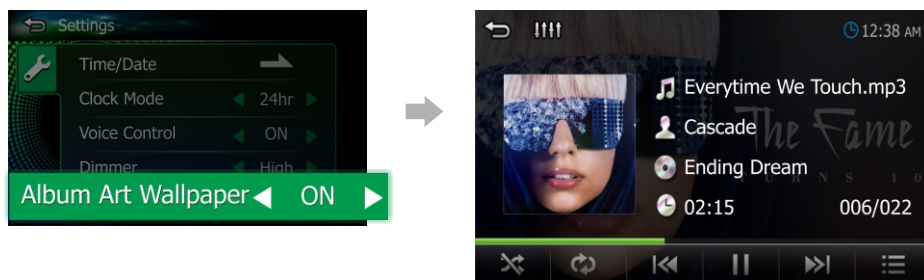
Tap [icon] access System Setting menu turn [ON] or [OFF] to enable / disable this function.

USB Playback

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Video Playback

1. Play/Pause
2. Searches the previous/next content. Tap and hold to fast forward or fast backward
3. Reset to the factory settings
4. Adjust image quality in video screen (Brightness/Contrast/Color/Tint)
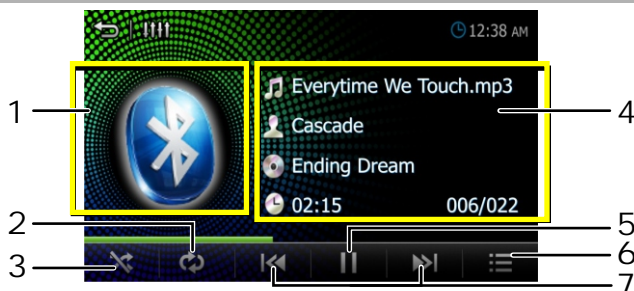5. Searches file
6. [NORMAL]/[16:9]/[4:3] : Select a screen mode

Selecting A Track In A List (Searches File)

1. Select whether you search by audio files 🎵 / video files 🎥
2. Tap ⬆ to moves to the upper hierarchy.
3. Tap the desired folder.
   when you tap a folder its contents are displayed.
4. Tap desired item from the content list, will play starts automatically
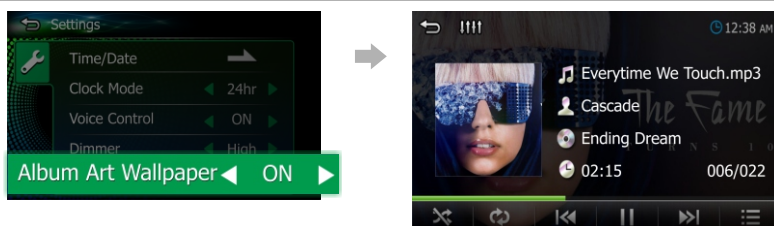
## BT Audio Operation Description

1. Artwork (Shown if the track contains artwork)
2. Tap repeatedly to Repeat playback mode
3. Tap repeatedly to Random playback mode
4. Displays the information of the current file
5. Play/Pause
6. Displays playback contents list
7. Searches the previous/next content. Tap and hold to fast forward or fast backward

USB Album Art Wallpaper

You can set the Album Art to the background image. Tap [gear icon] access System Setting menu turn [ON] or [OFF] to enable/disable this function.

Connect/Delete the Bluetooth Device
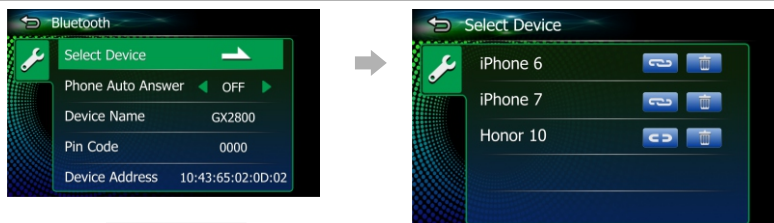
1. Tap Select Device in the bluetooth setup menu.
2. Touch the device name you want to connect/delete.

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Making A Call

1. Tap (⠿) entering a phone number with number keys

2. Tap (📱) / (🖥) to switches the speaking voice output between smartphone and speaker

   - ⌫ :To delete the last entry
   - 🔲 :Phonebook
   - 📞 :Call using call records (📞 Incoming Calls; 📞 Outgoing Calls; 📞 Missed Calls)
   - 🎤 :Voice Assistant

Phonebook
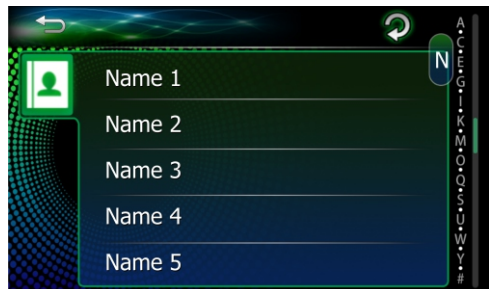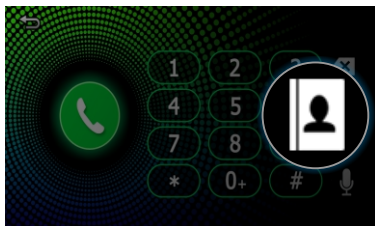
1. Tap (🔲) will start downloading the Phonebook.

2. Select the person you want to call from the list.

3. Select the phone number from the list.

TIPS Tap the letter A ~ Z to Direct and fast find the phone number to dial.

Call Waiting
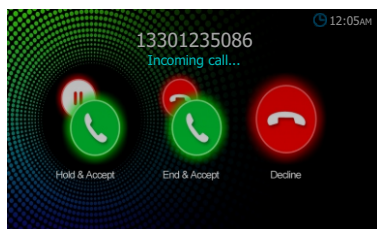
1. When you receive a call while talking on another call, you can answer the newly received call by taping [icon]. The current call is on hold.

2. Each time you tap [icon], the caller will change.

3. When you tap [icon], the current call will end and switch to the call in hold.

Voice Control
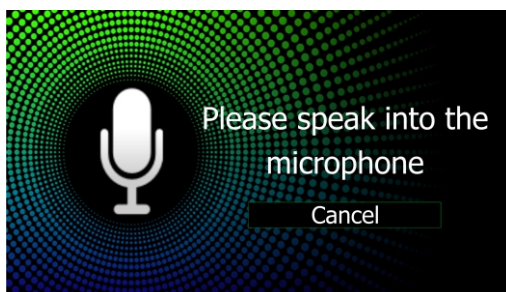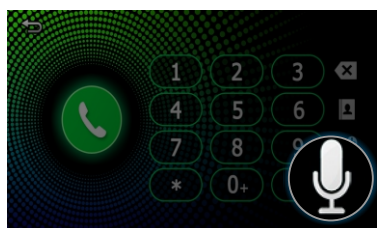
Tap [icon] access the voice recognition function of the phone connected to this Car AV System.

TIPS
- This function must be operated in a state before connection Bluetooth
- You can use voice recognition function by press and hold [VOICE icon] on the front panel.
- Tap [icon] access the System Setting menu to turn On/Off the Voice Control function.
- The Voice function is dependent on mobile phones, some Android phone don't have this function.

Android Phone Mirroring

Smartphone connectivity gives phone users an incredibly intuitive way to make calls, use maps, listen to music and access message with just a word or a touch.

Connect the Phone

TIPS
- If the smartphone connection to the Car AV System is not successful, please unplug and insert USB cable and try again.
- Compatible Android devices: You can use Android Mirroring with devices of Android Version 7.0 or later.

Install a APP

MirrorAPP is not installed.
When you connect the Android phone and the Car AV system by USB cable, the advisory message will pop up on your phone and the car AV system. Please follow it to install APP.

MirrorAPP
No installed apps work with this USB accessory.
Learn more about this accessory at https://play.google.com/store/apps/details?id=hk.com.soundmax.mirrorapp

🕐 12:38 AM

This device supports USB Mirroring through Android Smartphoe. When you use the USB Mirroring first time, you must install the "MirrorAPP" and authorization.

Method 1:
Please go to Google play and search "Gigaboyz" or "MirrorAPP" to download and install "MirrorAPP" APP.

Method 2:
Please scan QR code to download and install "MirrorAPP" APP.

QR Code for install MirrorAPP

TIPS
Your phone must install the MirrorApp and authorization, before you can use the Android Mirroring.

Authorization

Please follow the pop up authorization prompt on your phone and complete the authorization

MirrorAPP
Open MirrorAPP when this USB accessory is connected?
☐ Use by default for this USB accessory.
| Cancel | OK |

MirrorAPP will start capturing everything that's display on your screen.
☐ Don't show again
| Cancel | START NOW |
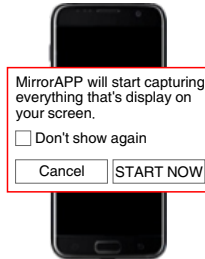
TIPS   If you want to have the authorization message on your phone, you can unplug & insert USB cable to try again.

Getting Start

- Please use the USB cable to connect your phone and insert to the front USB host of the Car AV System.

- Tap to start.

Tap access into Audio Settings to adjust the various settings.

◆ 13 Band Equalizer

◆ Time Alignment
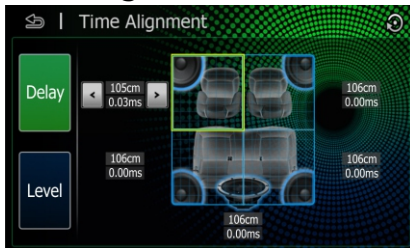
- Tap Delay to adjust the delay time of the selected speaker

- Tap Level to to adjust the sound level of the selected speaker.

◆ Cross Over

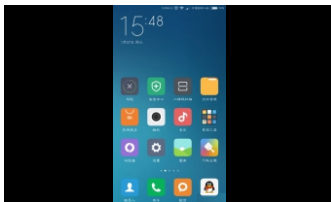- Tap 🔵 🔵 to switch Front/Rear high pass filter function
- Tap ⬮ to switch Subwoofer low pass filter transfer function

◆ Virtual Subwoofer
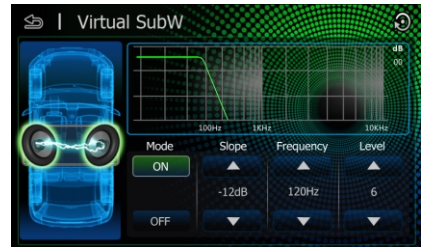
Turn the Rear Speakers to Virtual Subwoofer. Enjoy the powerful Bass without install any real subwoofer.

◆ Fader . Balance
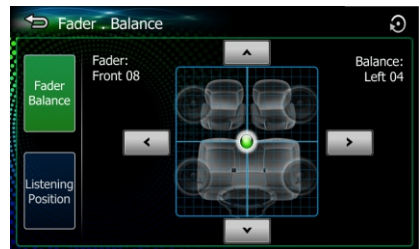
- Tap Fader Balance to adjust the volume balance around the touched area
- Tap Listening Position to select perfect listening position

◆ Bass Boost

Tap to Set the amount of bass boost, and set the amount of boost of low and high tones

Tap [⚙] access Settings Menu to select the item to be adjusted.

⟹

Settings		
Beep Tone	◀ ON	▶
Language	◀ English	▶
Time/Date	➡	
Clock Mode	◀ 24hr	▶
Voice Control	◀ ON	▶
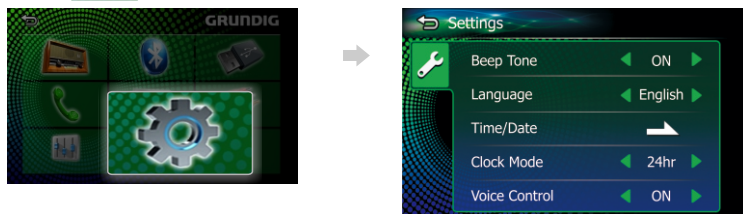
TIPS   Some of the setting you may interest to know.

◆ Default Volume

⟹
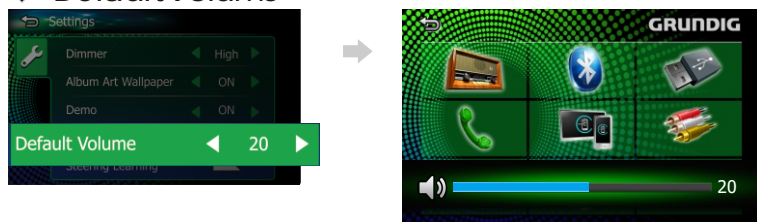
This function will allow change the Default Volume Level. When the volume is over/less than the default level 20, turn power off and restart the unit, the volume will keep the default level 20.

◆ Steering Learning

You can set the desired function in the Steering Remote Controller.

• Select the function you want the Steering Remote to learning
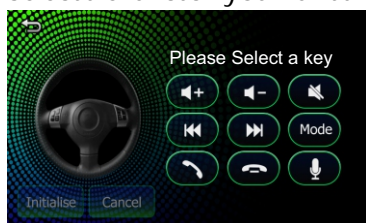
• Press and hold the same function button on the Steering Wheel Remote until "Learn Ok" is displayed.
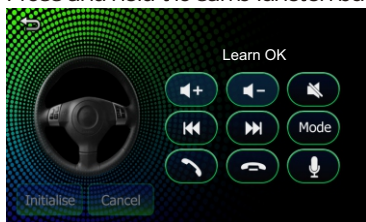
• To cancel or stop the current button learning, tap on [Cancel].

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◆ Parking Assist Guide
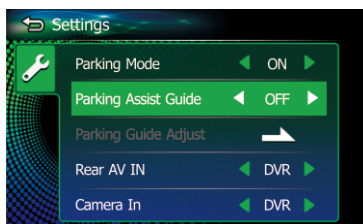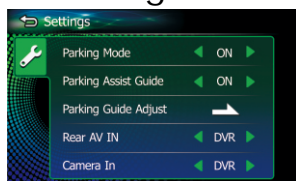
You can display parking guidelines to enable easier parking when you shift the gear to the reverse (R) position.

◆ Parking Guide Adjust

If you select [ON] for [Parking Assist Guide], tap on ◢◣ access into to adjust the parking guidelines.

- Adjust the parking guidelines by selecting the mark.
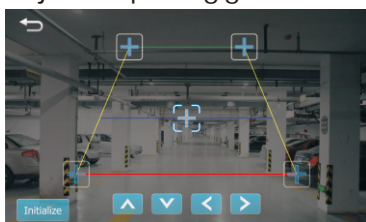
- Adjusting the position of the selected mark.
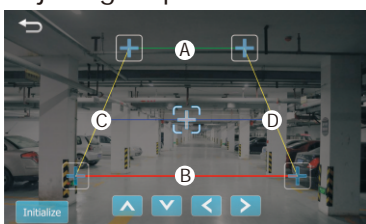
Make sure that Ⓐ and Ⓑ are horizontally parallel, and that Ⓒ and Ⓓ are the same length.

◆ Rear AV In/Camera In

If set the [Rear AV IN]/[Camera IN] as DVR, then activate the DVR function.

Subwoofer

Cap

MIC

External Microphone

Steering Wheel Remote

Steering Remote Input1

Steering Remote Input 2

Steering Remote Ground

Brake Switch

Parking Wire

Ground

OE adaptor (Not Include)

Steering Wheel Remote

Steering Wheel Remote Input

NOTE You can operate this unit using the Steering Wheel remote controller (SWC). For details & compatible SWC adaptor or black box, please consult the same car audio dealer as where this unit is purchased.

Reverse Wire

Dash CAM Remote

Connector B

Connector A

FM/AM Antenna

ANT

Fuse (15A)

ISO Connector

Rear Audio Preout(Left)

Rear Audio Preout(Right)

Rear View Camera In

REAR OUT   FRONT OUT

L

R

CAMERA IN   VIDEO OUT

Front Audio Preout(Left)

Front Audio Preout(Right)

Visual Output

AV IN

AV IN Audio Input(Left)

AV IN Audio Input(Right)

Video Input

VIDEO IN

Optional (Not included)   Optional (Not included)

Pin	Color and Function	
A4	Yellow	Battery (+)
A5	Blue/White	Connect To System Control Terminal Of The Power Amp Or Auto Antenna Relacontrol Terminal (max 150ma 12VDC)
A7	Red	Ignition(ACC)
A8	Black	Earth (Ground) Connection
B1/B2	Purple(+)/Purple Black(-)	Rear Right
B3/B4	Gray(+)/Gray Black(-)	Front Right
B5/B6	White(+)/White Black(-)	Front Left
B7/B8	Green(+)/Green Black(-)	Rear Left

Specifications

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TFT Monitor section

Screen Size	: 6.8 inches
Display Resolution	: 800x480 dots
Contrast Ratio	: 500

USB interface section

USB Standard	: USB 2.0 Full Speed
File System	: FAT 16/32
Maximum Current	: DC 5V === 1.5A
D/A Converter	: 24Bit

Bluetooth section

Communication System	: Bluetooth Ver 4.1
Output	: Bluetooth Standard Power Class 2
Maximum Communication Range	: Approx. 10meters
Frequency Band	: 2.4 GHz
Compatible Bluetooth Porfiles	: HFP/SPP/A2DP/AVRCP /PBAP
Supported Codecs	: SBC (Sub Band Codec)

Radio section

Frequency FM range	: 87.5-108.0MHz
Frequency AM(MW) range	: 522-1620 KHz
Usable sensitivity	: 13.2 uV (FM)
	: 44.7 uV (AM)(MW)

Video section

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

Audio section

Maximum Power	: 50Wx4
Continuous Power Output (RMS)	: 22Wx4
Preout Level (V)	: 2V/10k Ω
Preout Impedance	: ≤1.3k Ω
Speaker Impedance	: 4-8 Ω
Output Frequency Band	: 20-20000Hz

General

Operating Voltage	: 14.4V (10.5-16 V)
Operational Temperature Range	: -20° C~+70° C
Maximum Current Consumption	: 15A

Support Formats

Playable Audio Files
- MP3/WMA/Linear PCM (WAVE)/FLAC/Vorbis Bitrate:16-320 Kbps,VBR
- ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3)

> NOTE
> - WMA of which is covered with DRM cannot be played.
> - Although the audio files are complied with the standards listed above, the play may be impossible depending on the types or conditions of media or device.

Acceptable Video Files
- MPEG 1 (.mpg,mpeg), 720x480 (30fps)
- MPEG 2 (.mpg,mpeg), 720x480 30fps)
- MPEG 4 (.mp4,avi), 1280x720 (30fps)
- H.264/MPEG 4 AVC (mp4,mkv,avi,flv,f4v.ts)
- MKV (.mkv)

Support File / Folder Formats
- Directory nesting up to a maximum of 6 levels
- Number of tracks/titles: maximum 999
- Number of albums/folders maximum 99

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