GRUNDIG

GX-3800
User Manual

6.8"
In Car
Display
Audio

Works with
Apple CarPlay

android auto

Initial Setup

Please select the suitable Country Are/Language, Tap **Finish** button to confirm.

> **TIPS** Perform this setup when you use this unit first time.

Overview Of The Unit

◆ Functions of the Buttons on the Head Unit

Volume Up

Volume Down

Hold: Power
Press: Mute

Hold: Clock
Press: Now Playing

Hold: Voice Assistant
Press: Home

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Overview Of The Unit

◆ Home Screen Descriptions

SmartPhone Connectivity   Rear Aux

Tuner Radio

Front USB

Bluetooth Audio

Bluetooth Phone

DVR Mode

Setting Menu

Audio Setting

◆ Support USB Playback Mode

Front USB

☑ Video   Music ☑

☑ Phone Charge   SmartPhone Connectivity ☑

Front USB

Overview Of The Unit

◆ View All Sources
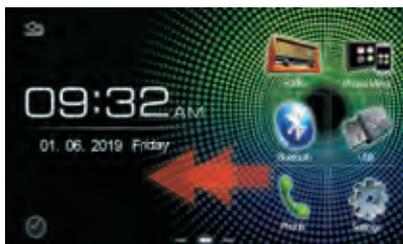
Swipe left to display All Sources

◆ Shortcut

Tap and hold the icon and drag it to the shortcut area
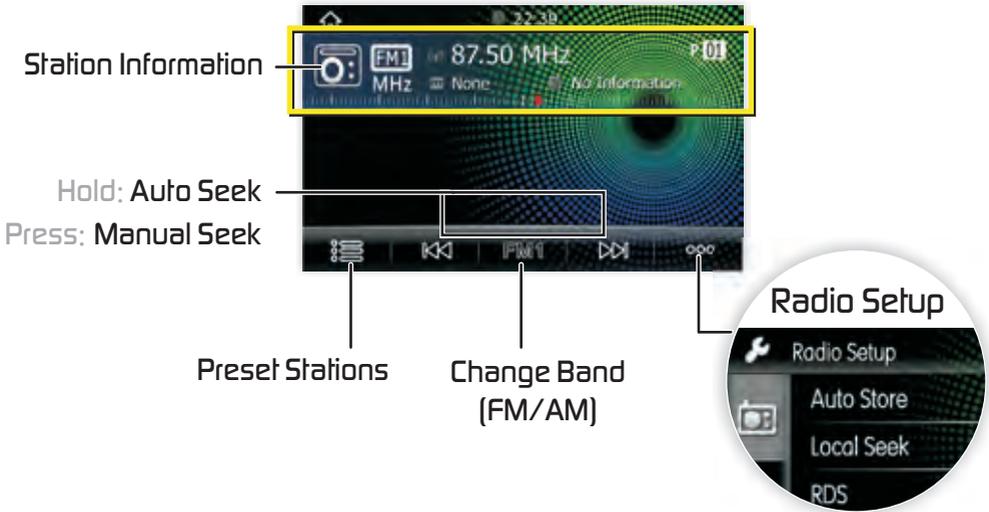

Swipe left/right to display/hidden shortcut

◆ Widget

Swipe right to display widget

Tap 🔙 or 📻 return to Now Playing mode

Listening To The Radio

Radio Operation

Station Information

Hold: Auto Seek
Press: Manual Seek

Preset Stations

Change Band
(FM/AM)

Radio Setup

Radio Setup
Auto Store
Local Seek
RDS

Radio Preset Station List

Tap and hold to store stations

TIPS

Tap to display the Preset list, tap again to hide.

USB Media Operation

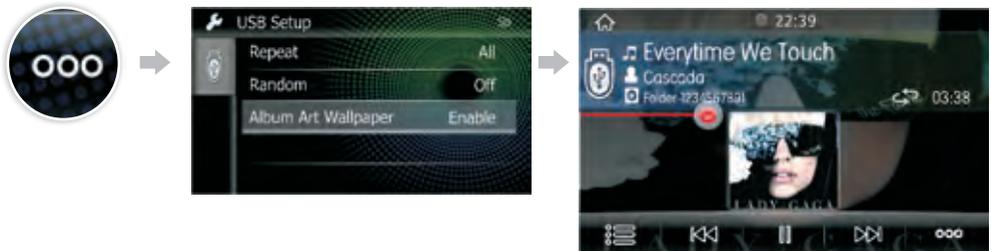Play Content List — Track Down — Play/Pause — Track Up — USB Setup

Drag to Fast Forward/Backward

USB Media Content List

Category List

Category List
Link Search
Folder List

Artist
Album
Songs
Genre

Return to Now Playing Mode

Video List

Music List

USB Album Art Wallpaper

000

USB Setup
Repeat — All
Random — Off
Album Art Wallpaper — Enable
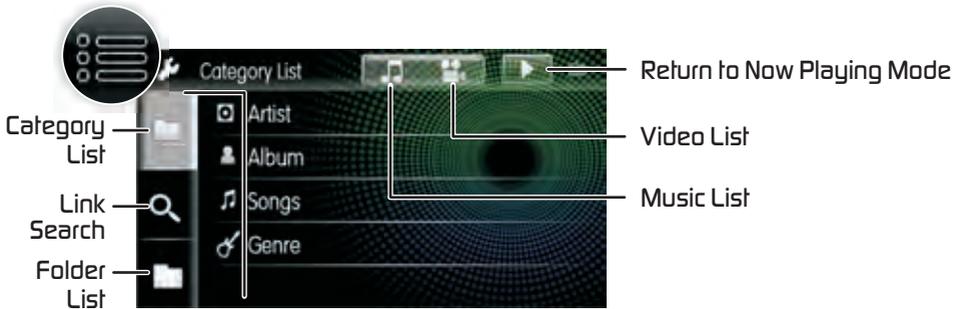
You can set the Album Art to the background image.
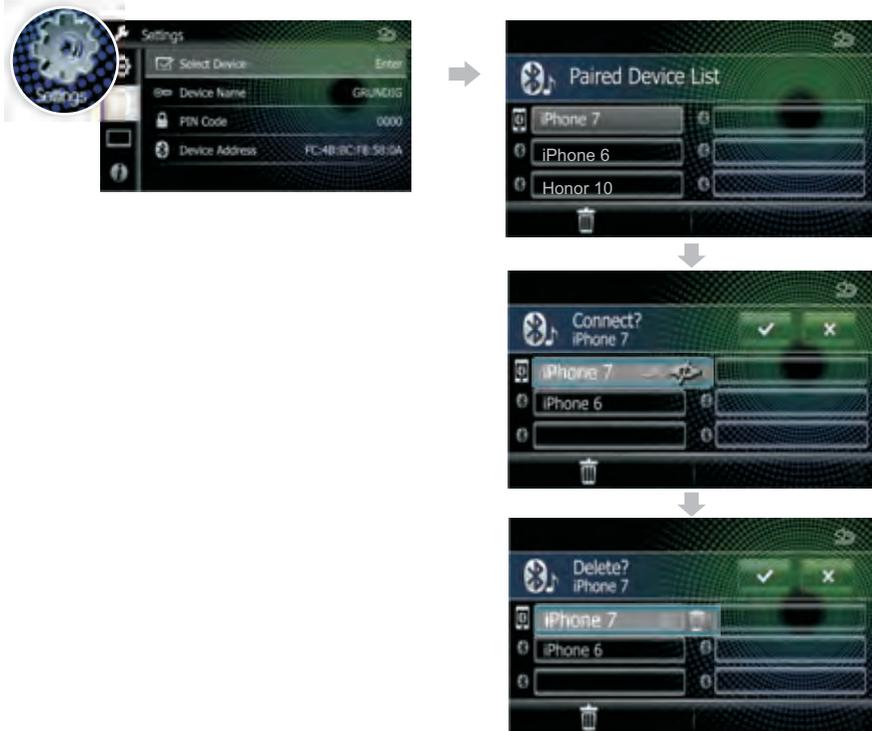Tap Enable / Disable to enable/disable this function.

Bluetooth

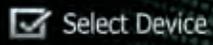## How To Pair the Device ?

Please search "GRUNDIG" and connect under bluetooth option of your phone.

Connect/Delete the Bluetooth Device

1. Tap [☑ Select Device] in the bluetooth setup menu.
2. Touch the device name you want to connect/delete.

Phone Call

| Delete Key | Dial Keypad | Voice Assistant | Dial Call | Call Record | Phone book | | Paired Device List | Call Transfer | Reject Call |

> **TIPS** To Download the Phonebook, please Authorize the request on your phone

Voice Assistant

You can access the voice recognition function of the phone connected to this Car Av System.

Please speak into the microphone.

Stop

> **TIPS**
> - This function must be operated in a state before connection Bluetooth
> - You can use voice recognition function by press and hold
>   🏠•VOICE on the front panel.
> - Tap **Stop** to exit the Voice Control function.

Smart Phone Connectivity

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Smart phone 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.

◆ **Please select the phone connectivity device from the menu setting**

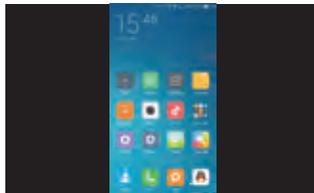CarPlay

Android Auto

Android Mirror

iPhone Mirror

◆ **Getting Start**

1. Please use the USB cable to connect your phone and insert to the front USB host of the Car AV System. After connected ok, the smart phone connectivity icon will be lighted on.
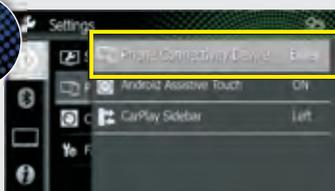

2. Tap to start up.

TIPS   Before you use the smart phone connectivity, please go to phone mirroring settings to select smart phone connectivity device.

About Android Mirroring

Android Mirroring is a simpler way to direct mirror to use your phone in the Car AV System.

◆ **Connect the Android Phone**

Connection failed

Connection Successful

TIPS
- If the smart phone 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 5.0 or later.

◆ **Install a App**
- **Autolink App 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.

Autolink
No installed apps work with this USB accessory. Learn more about this accessory at https://play.google.com/store/apps/details?id=com.link.autolink

"Autolink app"is not installed or not authorized. Please check your phone and follow it to operate.

?   ✕

Press
?

App installation and phone authorization

Install App   Phone authorization

Method1: Please go to Google play to Download and install"Autolink"App.
Method2: Please scan QR code to download and install"Autolink"app.

QR Code for install Autolink App

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

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

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

Autolink 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.

Smart Phone Connectivity

How to setup Android Mirroring two way control?

◆ Bluetooth connect

Connect your phone to car AV system by USB cable, car AV system will connect bluetooth with your phone automatically. the Android Mirroring two way control will be activated once the bluetooth is connected successfully.

How to pop up the Android Assistive button?

TIPS
- When in Android mirroring mode, if the operation is not supported,It will pop up the advisory message, you can click ❓ button to check the detail information.
- About the Smart Phone Connectivity help, you can go to Settings/Phone Connectivity Device/Q&A to study.

About iPhone Mirroring

iPhone Mirroring is a simpler way to direct mirror to use your phone in the Car AV System

◆ Connect an iPhone

Connection failed

Connection Successful

> **TIPS**
> - If the smart phone connection to the Car AV System is not successful, please unplug and insert USB cable and try again.
> - Compatible iPhone devices:
>   You can use iPhone Mirroring with devices of iOS Version 8.0 or later.

◆ Authorization
Please follow the pop up authorization prompt on your phone and "trust" the device.

Trust This Computer?
Your settings and data will be accessible from this computer when connected wirelessly or using a cable.

| Trust | Don't Trust |

Your phone is not authorized.
Please check your phone and follow the message to operate.

> **TIPS**
> - Your iPhone must "trust" the Car AV System before you use the iPhone Mirroring.
> - If you close the authorization message on your phone, you can unplug & insert USB cable to try again.
> - If your iPhone is iOS11 version or above, maybe the iPhone music player and Video player sound can not output from the Car AV System. You can try use the third music player & video player.
> - When in iPhone mirroring mode, if the operation not support will pop up the advisory message, you can click ? button to check the detail information.
> - About the Smart Phone Connectivity help, you can go to Settings/ Phone Connectivity Device/Q&A to study.

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How to setup iPhone Mirroring two way control?

◆ **Bluetooth connect**

Connect your phone to car AV system by USB cable, please go to setting/ bluetooth on your phone, select the bluetooth device of car AV system to connect. After bluetooth connect succeeded, you can use iPhone two way control.

TIPS When iPhone is placed to the horizontal screen, you must follow the image on the right to place the iPhone. If the Placement is wrong, the two way control will not work properly.
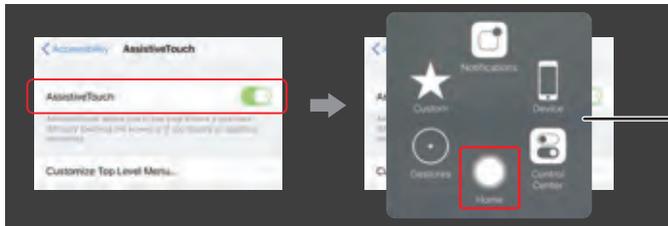
Phone horizontal screen placement

Wrong   Right

◆ **Click Assistive to iPhone home**

Assistive touch allows you to use your iPhone's control button, Home button, Siri and Control center etc. you can go to iPhone's settings as below:

1. Go to Settings/General/Accessibility on your phone
2. Open"Assistive Touch "and it will pop up button.

iPhone's control button

About Apple CarPlay

CarPlay is a smarter, safer way to use your iPhone in the car. CarPlay takes the things you want to do with iPhone while driving and displays them on the screen of the product.You can get directions, make calls, send and receive messages, and listen to the the music from iPhone while driving. You can also use Siri voice control to make it easier to operate iPhone.

TIPS Some features, applications, and services are not available in all areas. For details, see: http://www.apple.com/ios/carplay/

◆ Connect an iPhone

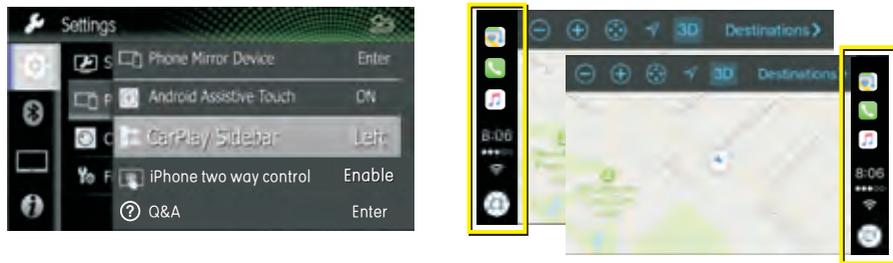Connection failed

Connection Successful

TIPS If iPhone CarPlay connection to the Car AV System is not successful, please unplug and insert USB cable and try again.

◆ Settings of Apple CarPlay

You can adjust the Carplay Sidebar is show on left or right as below:

Phone Mirror Device	Enter
Android Assistive Touch	ON
CarPlay Sidebar	Left
iPhone two way control	Enable
Q&A	Enter

TIPS Please unplug the USB cable after you change the CarPlay Sidebar option.

Smart Phone Connectivity

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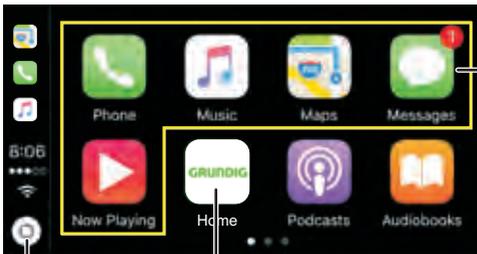
Operation of Apple CarPlay

◆ Operation button of Apple Carplay

Hold to activate Siri.

Switch forward and backward between Apple CarPlay and Playback mode

◆ Operation button on CarPlay Home

Application Buttons

Exits the CarPlay screen and displays the HOME screen

Hold: To activates Siri
Press: Display the home screen of CarPlay

About Android Auto

Android Auto enables you to use functions of your Android device convenient for driving. You can easily access route guidance, make calls, listen to music, and access convenient functions on the Android device while driving.
For details about Android Auto, visit the below adress:
https://www.android.com/auto
https://support.google.com/androidauto.

TIPS
- Compatible Android devices
  You can use Android Auto with Android devices of Android version 5.0(Lollipop) or later.

- Android Auto may not be available on all devices and is not available in all countries or regions.
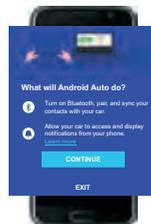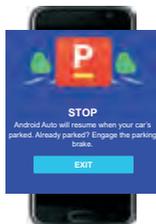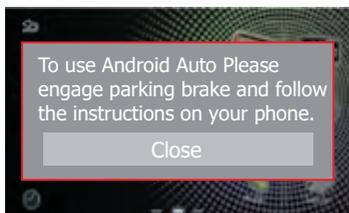
◆ Connect Android phone

Connection failed

Connection Successful

TIPS If Android Auto connection to the Car AV System is not successful, please unplug and insert USB cable and try again.

◆ Initial setup Android Auto

When you use Android Auto first time, you must engage parking brake and follow the instructions to do on your phone.

To use Android Auto Please engage parking brake and follow the instructions on your phone.
Close

STOP
Android Auto will resume when your car's parked. Already parked? Engage the parking brake.
EXIT

What will Android Auto do?
Turn on Bluetooth, pair, and sync your contacts with your car.
Allow your car to access and display notifications from your phone.
Learn more
CONTINUE
EXIT

TIPS You also can go to settings/System to set the Parking on to use the Android Auto.

Smart Phone Connectivity
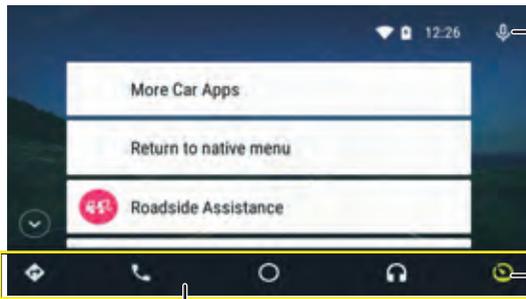
GRUNDIG
FOR A GOOD REASON

Operation of Android Auto

◆ Operation button of Android Auto

Hold to activate Siri.

Switch forward and backward between Apple CarPlay and Playback mode

◆ Operation button on Android Auto Home

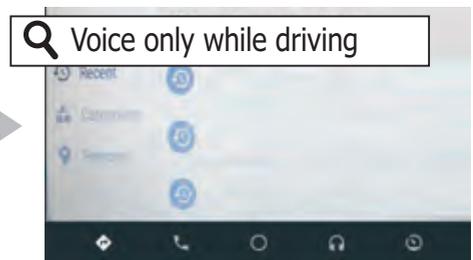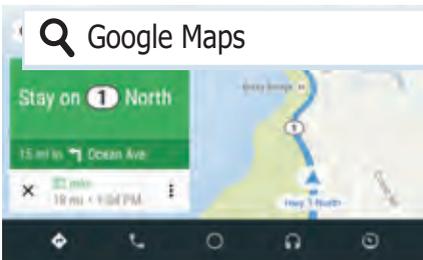Google Assistant

More Car Apps

Return to native menu

Roadside Assistance

- Gauge icon for al car apps
- Return to Car Home

Application/information buttons
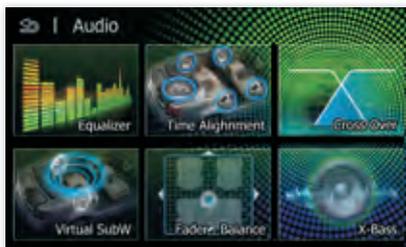Starts the application or displays information

◆ Voice only while driving

Q Google Maps

Stay on **1** North

Q Voice only while driving

TIPS When you use handwriting, you must engage parking brake.

24 Bit DSP Audio Operation

You can adjust the various settings:

◆ 13 Band Equalizer

You can customize the equalizer, tap User1 User2 to stored.

◆ Cross Over

- Tap Tweeter to set the virtual tweeter when you are selecting front speakers.
- Tap ● ● to switch Front/Rear high pass filter function
- Tap to switch Subwoofer low pass filter transfer function

◆ Time Alignment
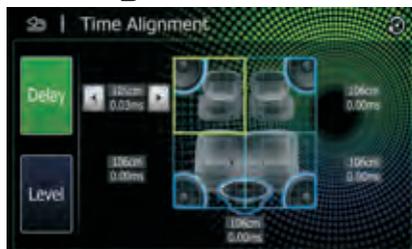
- Tap Delay to adjust the delay time of the selected speaker
- Tap Level to to adjust the sound level of the selected speaker.

◆ Virtual Subwoofer

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

24 Bit DSP Audio Operation

◆ Fader . Balance / Music Zone
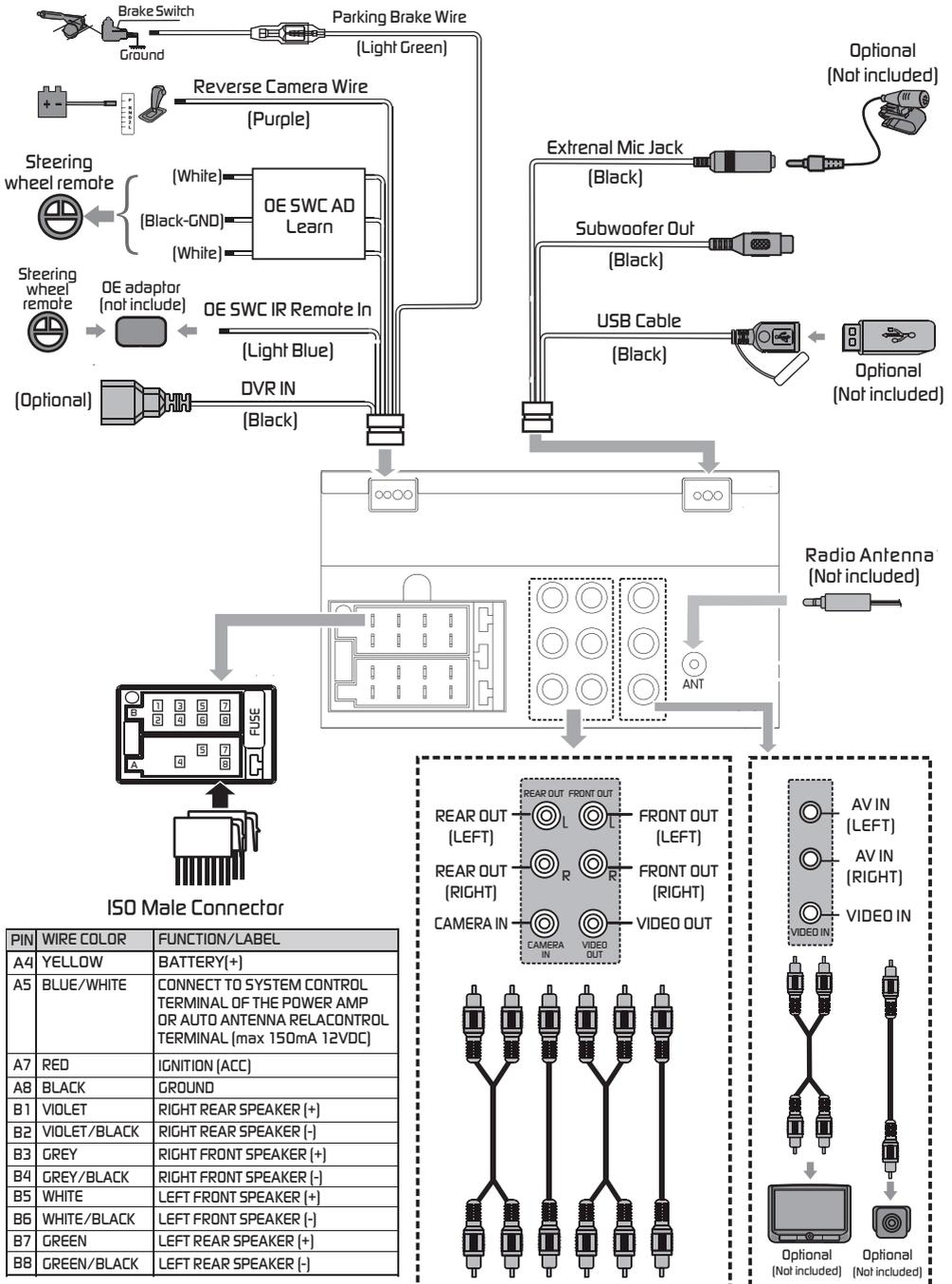

- Tap **Fader Balance** to adjust the volume balance around the touched area

- Tap **Music Zone** to select perfect listening position

◆ X-Bass
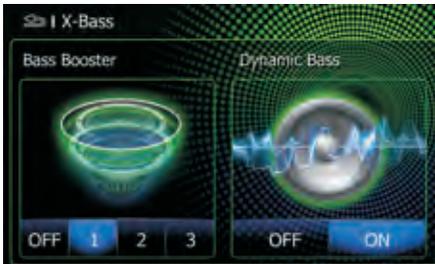
- Tap to Set the amount of bass boost, and set the amount of boost of low and high tones

TIPS   Tap ⟳ resume to factory default value.

Brake Switch
Ground
Parking Brake Wire
(Light Green)

Optional
(Not included)

Reverse Camera Wire
(Purple)

Extrenal Mic Jack
(Black)

Steering wheel remote

(White)
(Black-GND)
(White)

OE SWC AD Learn

Subwoofer Out
(Black)

Steering wheel remote

OE adaptor
(not include)

OE SWC IR Remote In
(Light Blue)

USB Cable
(Black)

Optional
(Not included)

(Optional)

DVR IN
(Black)

Radio Antenna
(Not included)

ANT

ISO Male Connector

FUSE

REAR OUT FRONT OUT

REAR OUT (LEFT)
REAR OUT (RIGHT)
CAMERA IN

FRONT OUT (LEFT)
FRONT OUT (RIGHT)
VIDEO OUT

CAMERA IN
VIDEO OUT

AV IN (LEFT)
AV IN (RIGHT)
VIDEO IN

VIDEO IN

PIN	WIRE COLOR	FUNCTION/LABEL
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	GROUND
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 (-)

Optional
(Not included)

Optional
(Not included)

Specifications

TFT Monitor section

Screen Size	:6.8 inches
Display Resolution	:1024x600 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	: 526.5-1606.5 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)	: 22 Wx4
Preout Level (V)	: 4V/10kΩ
Preout Impedance	: ≤1.3kΩ
Speaker Impedance	: 4-8 Ω
Output Frequency Band	: 20-20000Hz

General

Operating Voltage	: 12V(10.5-16 V)
Operational Temperature Range	:-20° C~+60° C
Maximum Current Consumption	:15A

Support Formats

Support Audio Formats
- MP3/WMA/AAC Bit rate:16-320 Kbps,VBR
- WMA Version V9 or earlier
- ID3 Tag Version 1.0/1.1/2.2/2.3/2.4

Support Video Formats
- MPEG 1 (.mpg,mpeg), 720x480(30fps)
- MPEG 2 (.mpg,mpeg), 720x480(30fps)
- MPEG 4 (.mp4,avi), 720x480(30fps)

Support File / Folder Formats
- Directory nesting up to a maximum of 8 levels
- Number of tracks/titles: maximum 999
- Number of albums/foldersmaximum 99

	Bands	Frequency	Max. power
Bluetooth classic	2.4G	2402-2480MHz	9.71dBm BIRP
AM		526.5kHz-1606.5kHz	
FM		87.5MHz-108MHz	

This product can be used across EU member states

FCC statements:
Federal Communication Commission (FCC) Radiation Exposure Statement
When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

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, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment 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.

FCC ID:2AYZB-GX3800

IC statements:

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS exemptes de licence standard(s).

Son fonctionnement est soumis aux deux conditions suivantes:

(1) cet appareil ne peut pas provoquer d'interférences, et

(2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

IC:26996-GX3800