



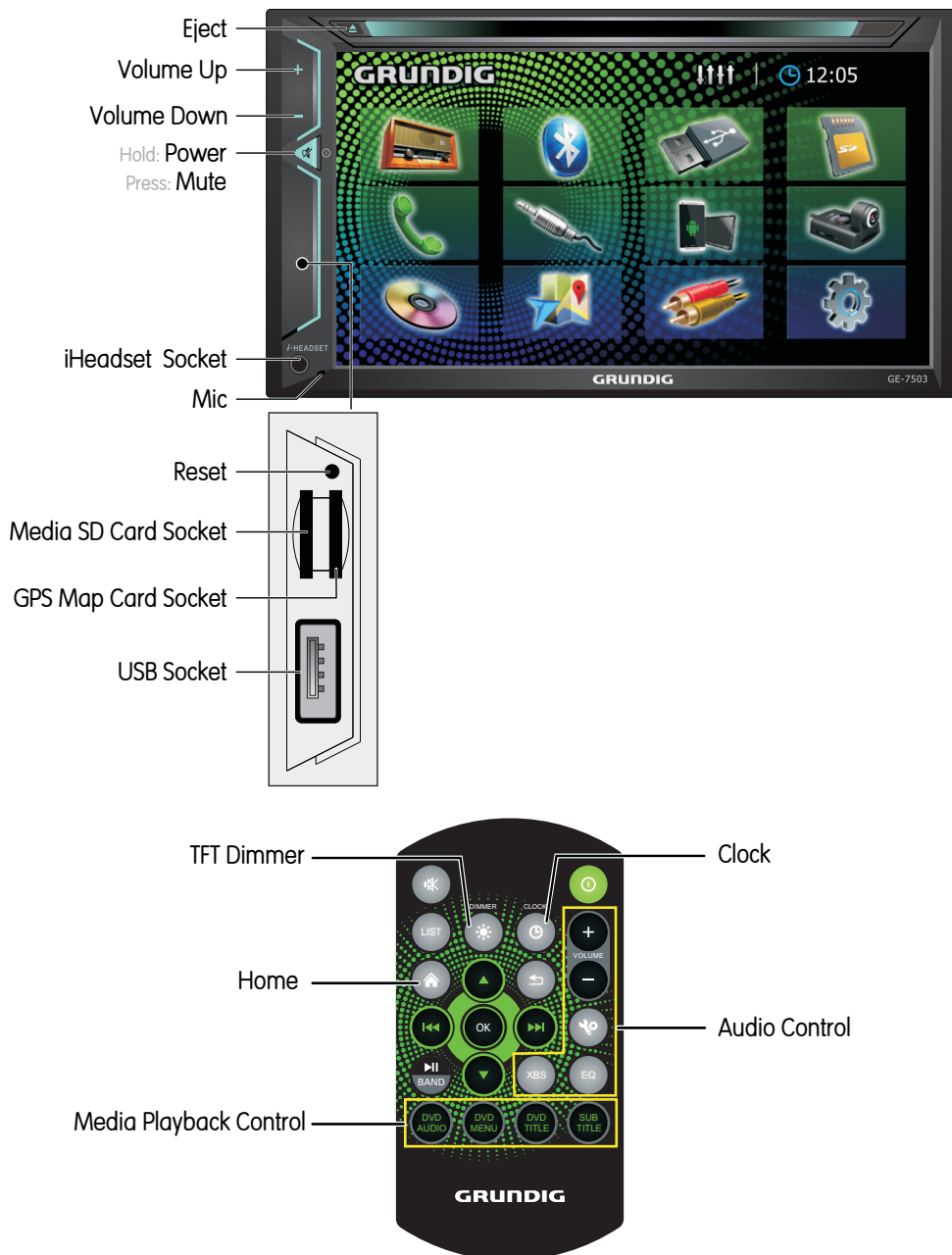
GRUNDIG

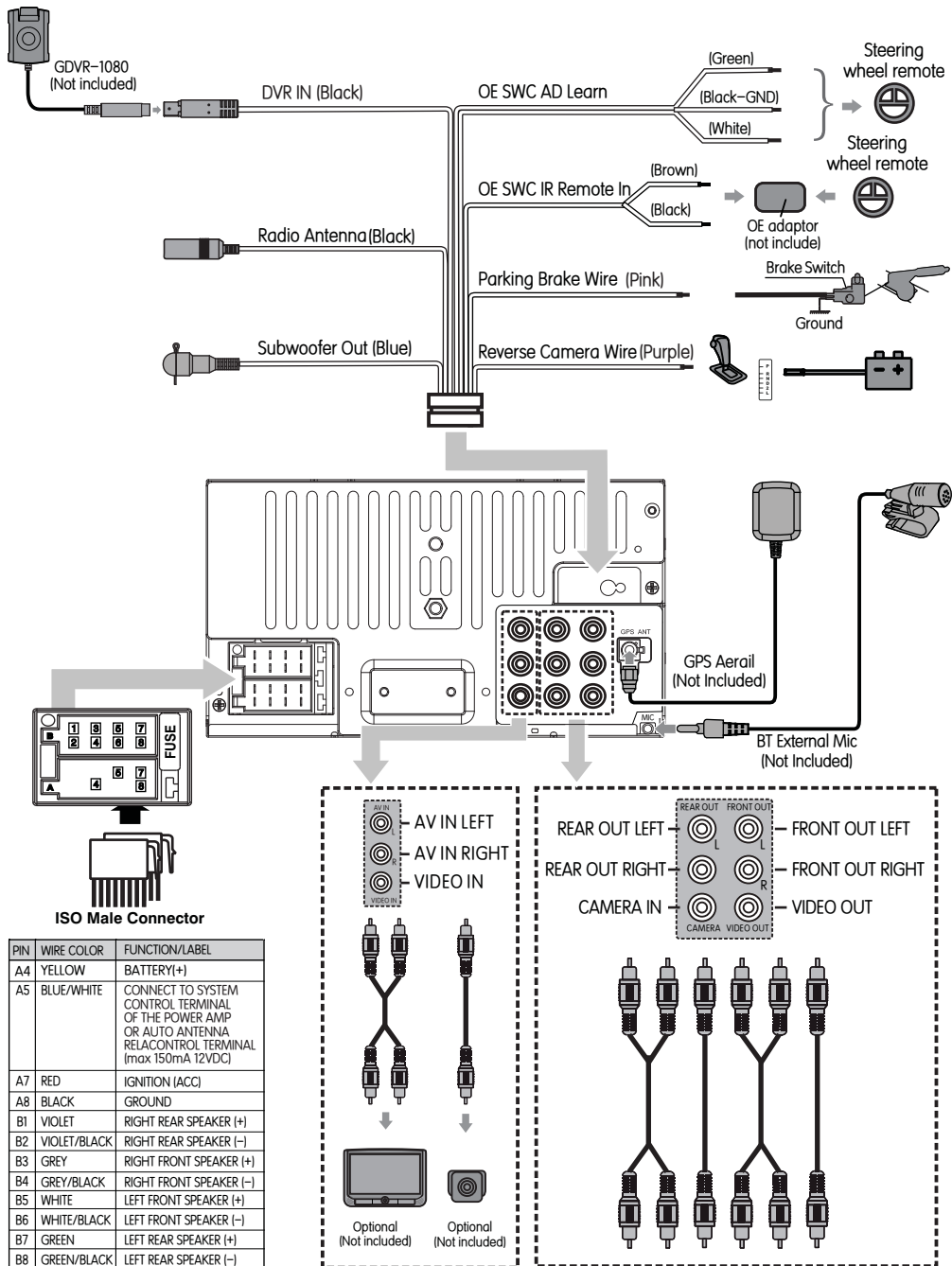
GE-7503

User Manual

6.8"
800x480
WVGA
Display



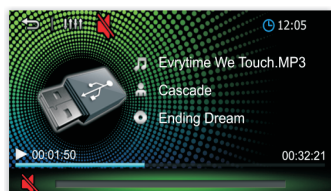




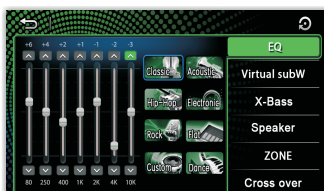
Access to HOME



Press to MUTE



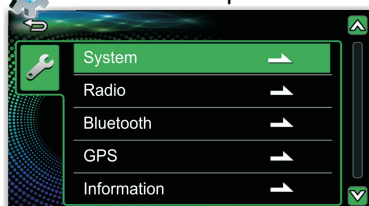
Access to Audio Control



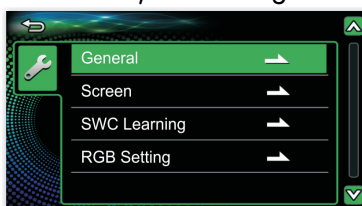
Press to View Clock



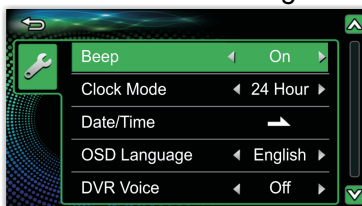
Access to Setup Menu



Access to System Settings




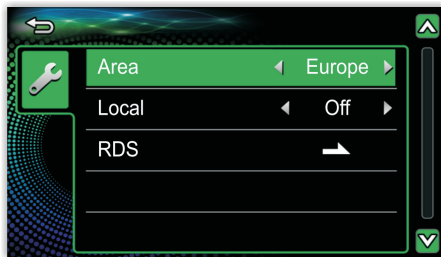
Access to General Settings



Tap on  access to Radio mode



Tap on  access to Radio setting menu



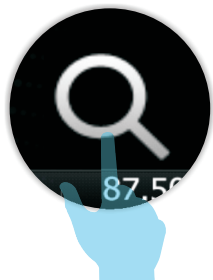
Tap BAND to change FM or AM



Tap to Auto Seek
Tan and hold to Manual Seek



Tap to Auto Store

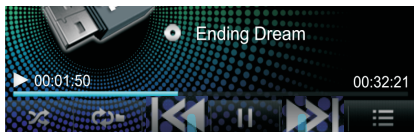


Tap and hold to Store stations

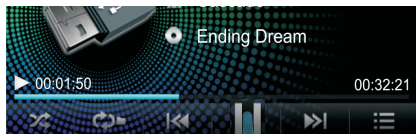


— Preset List

Tap Up/Down



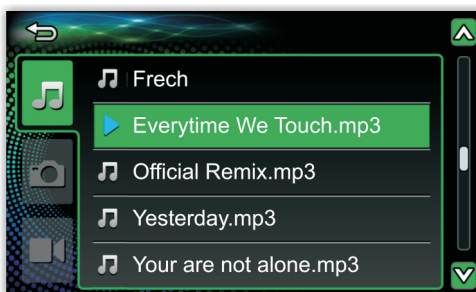
Tap Play/Pause

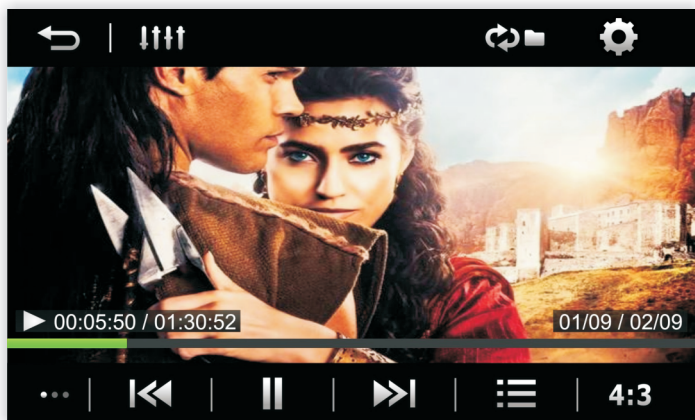


Tap Random/Repeat



Quick Browser





	Return to Home Menu
	Access to Audio Control
	Video Setting Mode
	Repeat Playback Mode
	Change Function Bar
	Previous, Pause /Play, Next
	Top Menu or Browser
	Change the Audio language
	Select the audio type. (For DVD-VR:Select the audio channel)
	Repeat Playback Mode
GOTO	Access Into The Search Mode (DVD only).
4:3 16:9	Select Aspect Ratio
ANGLE	To Change The Angle (DVD only).



...	Change Function Bar
←	Move Left The Zooming Frame
↑	Move up the zooming frame
↓	Move Down The Zooming Frame
→	Move Right The Zooming Frame
Q	Zoom The Photo

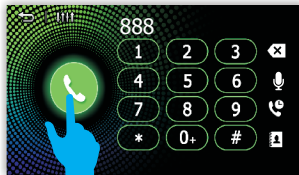
How To Pair & Connect Device ?



Pairing code "0000"

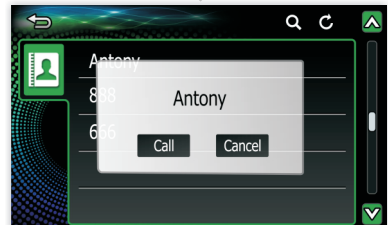
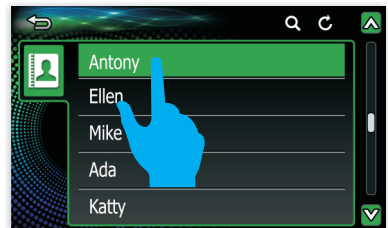
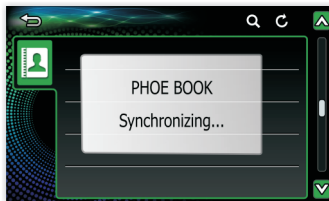
Connecting

Making A Call



- Deleted Input Number
- Voice Assistant
- Call List
- Phonebook

Phonebook

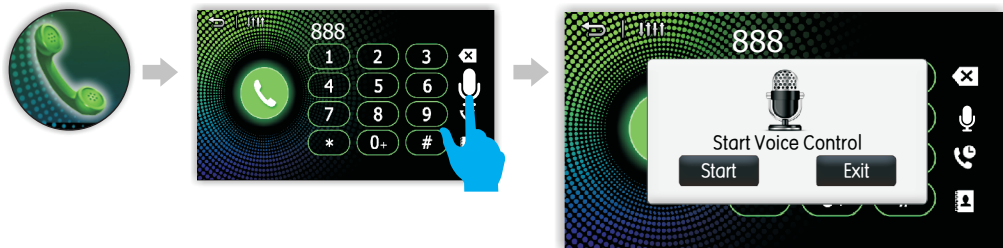


TIPS

Please to synchronize phone book on your phone.

Voice Control

Once the smart phone and the device are paired, you can use the voice control function through the device.




iHeadset Private Mode

Keeping your telephone conversation in privacy by using this unit's unique iHeadset feature:



- Plug in the Handfree headset or earphone into the iHeadset socket
- During a telephone conversation, to switch to "iHeadset" mode by tap on buttons on TFT, so the voice from the other end can only be heard thru the headset or earphone.



Tap on  buttons on TFT to resume to handfree speaker mode.

Access to Audio Control Mode



Preset EQ



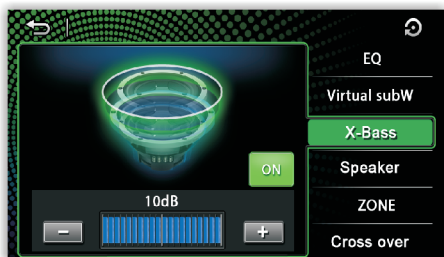
Resume to factory default value

Virtual SubW



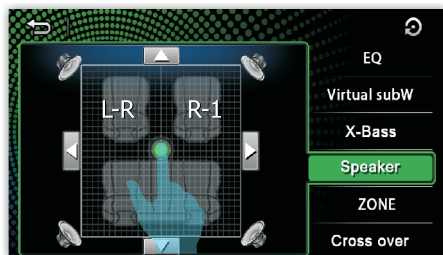
- Tap on **ON** to turn ON/OFF Virtual Subwoofer
- Tap on **+** **-** to adjust value of Virtual Subwoofer level
- Tap on **60Hz** **80Hz** **120Hz** to select Low Pass Filter Transfer function

XBass



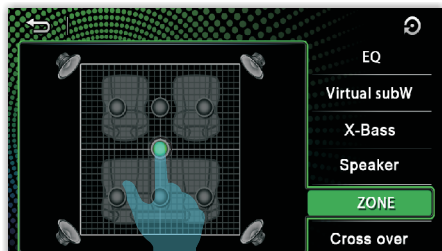
- Tap on **ON** to turn ON/OFF Bass Booster
- Tap on **+** **-** to adjust value of Bass Booster level

Speaker



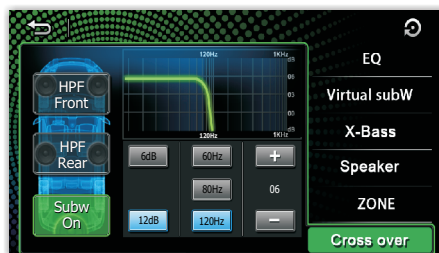
- Tap on / Swipe drag to adjust the Speaker.









Music Zone



- 7 Preset listening zone, tap on  to select perfect listening position

Cross Over



- Tap on    to switch Front/Rear high pass filter function & Subwoofer low pass filter transfer function
- Tap on   to adjust value of each mode level
- Tap on    to select Low Pass Filter Transfer function

Tap on mode

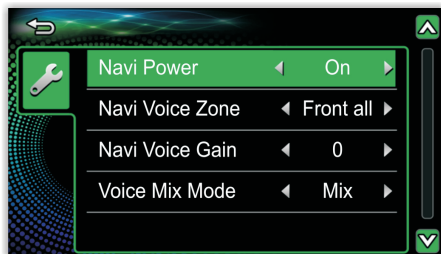
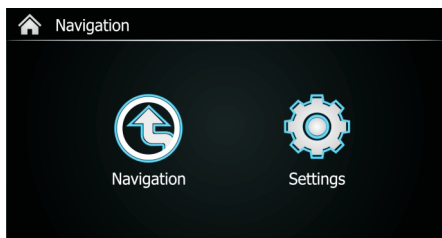


access to Navigation

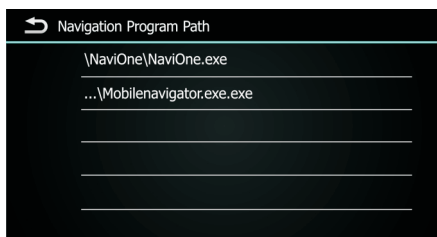
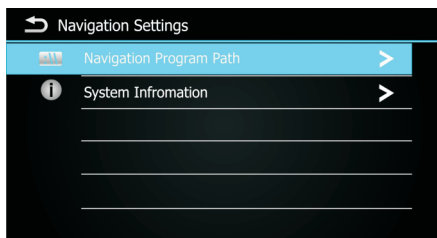
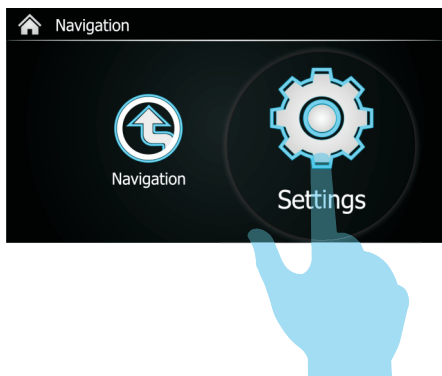
Tap on



access to Navigation setting menu



Set the Navigation Program Path



TIPS

For the detailed operation, please refer the "Navigation User Manual".

What's USB Mirror?

USB Mirror is a function which can mirror and control your Android phone on the Car Audio System (CAS) through USB interface.

Set Up Your Android Phone

Please get ready the things and follow the procedures as below to set up your Android phone:

- ◆ USB Cable
- ◆ Phone with Android Ver4.0 or above and with USB driver installed
- ◆ Turn on the network to ensure the normal data transferring
- ◆ Turn on Bluetooth on your phone to search device and connect your phone with the CAS (Car Audio System).

Tips The audio output of USB Mirror needs to connect with Bluetooth A2DP profile.

- ◆ Activate "Developer options" and Enable "USB debugger" on your phone. Please activate "Developer Options" and enable "USB debugger" on your Smart Phone according to the methods below:

Method One: Activate "Developer options" Manually

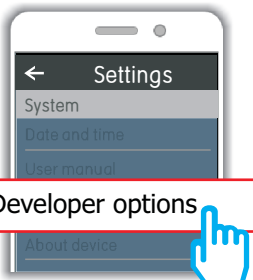
You can try the following steps to access the Developer Options

- Turn on the "Developer Options" in the setting of your phone

Tips Android Phones with Android ver4.2 or above, the "Developer Options" is hidden and needs to be activated by secret mode.

- 1** Enter into "About device" to click the "Android version" or "Built version" or "Version number" repeatedly for 8 times.

- 2** Turn on the "Developer Options" in the setting on your phone

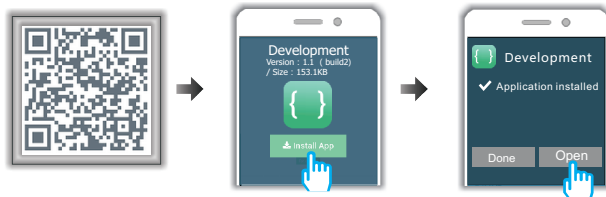


TIPS

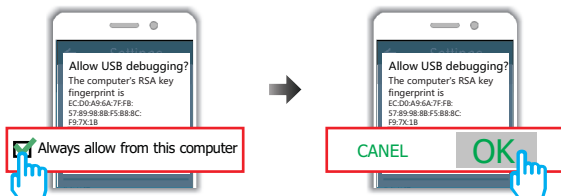
Not all the Android Phones can enter "Developer options" by same secret mode described above. If your phone cannot enter "Developer options" by this secret mode please try the following Method Two to activate "Developer options" by scan a QR Code.

Method Two: Activate "Developer options" By Scan QR Code

- Please scan QR Code to download and install the APP "Developer Options" on your phone.



Enable "USB debugger"

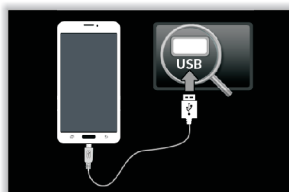



After enable the "USB debugger", some Android Phones need select the following connection mode to accept USB mirror.

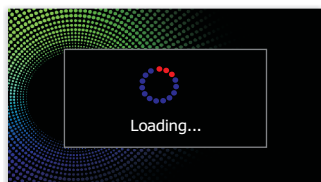
1. MTP (Media Transfer Protocol)
2. PTP (picture transfer protocol)
3. USB storage mode

Works with Car Audio System (CAS)

- ◆ Connect phone to CAS (Car Audio System) by USB cable



- ◆ Click the  on your CAS (Car Audio System) to install and start up the USB mirror function.



Q: If there is "No Device" detected, please check as below:

A: **USB Driver**

Please confirm USB driver has been installed in your phone

- Please connect your phone to computer
- If computer can identify the phone, it means that the USB driver has been installed in your Phone already.
- If computer doesn't identify the phone, please check again by changing USB cable or another port of computer

USB Cable

Please confirm USB cable has been connected with CAS (Car Audio System)

- Please connect phone to CAS (Car Audio System) by USB cable

USB Mode

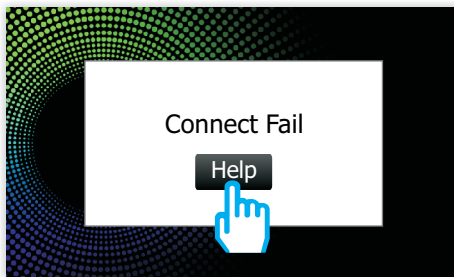
Please confirm the phone is using correct connecting mode

- Some phones need to select the following connection mode manually:
 1. MTP (Media Transfer Protocol)
 2. PTP (picture transfer protocol)
 3. USB storage mode

Q: If the phone can not connect with CAS (Car Audio System)

- A:
- Please confirm the phone is using correct connecting mode
 - Please unlock the phone
 - Please activate "Developer Options" and enable "USB Debugging"
 - Please try to re-connect or change USB cable or re-start Phone.

Tips When you want to use this USB mirror function again but could not get it connected, please click **Help** for further instruction.



TFT Monitor section

Screen Size	: 6.8 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	: Less than 0.3%
Distortion	
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

Memory Card Section

Memory Card	: TF Card
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	: 87.5–108.0MHz
Frequency AM(MW) range	: 522–1620 KHz
Usable sensitivity	: 2 uV (FM)
	: 80 uV (AM)(MW)

Video section

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

Audio section

Maximum Power	: 50Wx4
Continuous Power Output (RMS)	: 22 Wx4
Preout Level (V)	: 2 V/10k Ω
Preout Impedance	: ≤ 600 Ω
Speaker Impedance	: 4–8 Ω
External Audio Input Level (RCA)	: 1 .5V/10K Ω
External Audio Input Level (3.5mm Jack)	: 600mv/10K Ω (<1%THD)

General

Operating Voltage	: 14.4V(10.5–16 V)
Operational Temperature Range	: -10° C--+60° C
Storage Temperature Range	: -20° C--+80° C

Support Formats

Support Audio Formats

- MP3/WMA 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/folders:maximum 99

GRUNDIG

FOR A GOOD REASON



10R-05 11943