

Operation Manual for Android Operating System

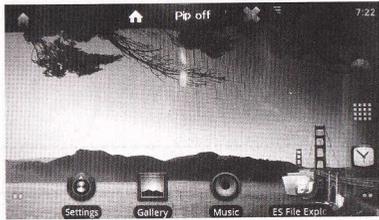


The operation manual is for reference only. Detailed images and functions please comply with the actual objects. They are subject to change without prior notice.

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1. Android Interface



After starting up, click the Android icon on the main interface to enter Android interface. It automatically update the time of system after GPS positioning.

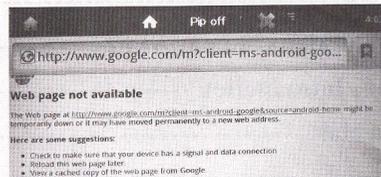
Return to main interface: **Pip off** picture in picture switch, picture in picture interface 1X / 2X; close the menu. **After long pressing** to unlock, menu **Pip off** operation can be carried out. can voluntarily add application shortcut to interface.

Click the button in the middle of the right side to enter program interface.

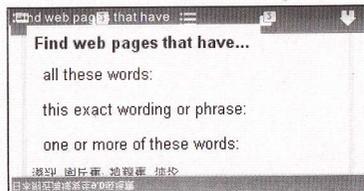


2. Web Surfing

Click the icon on the right side to directly enter Google web surfing. Users can access to Internet by the connection of the browser.



Or choose the third party software UC Browser to access to web surfing:



Click the analog clock icon on the right side. The following picture is the display of the analog clock having been created on the main screen:



Add alarm clock

3. Button Instruction

Hidden button on top left corner

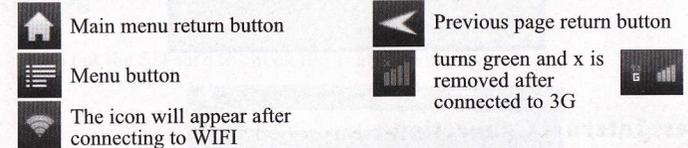
Long press the top left corner area for three seconds to enable the homepage interface to return to homepage

Hidden button on bottom right corner

Long press the bottom right corner area for three seconds to return to the previous menu



The following picture is the status bar, including the following buttons:



Status bar

The top of the screen is status bar, which display media sound switch, network status, time and so on.



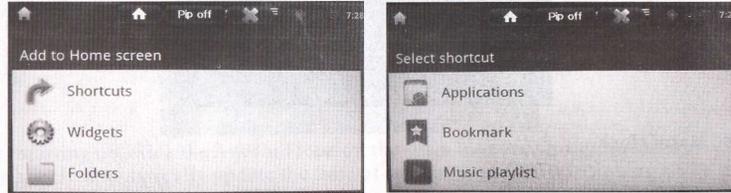
Pressing the menu button, shortcut menu will be poppped on the bottom of the screen. The menu items include: add, wallpaper, search, notice and setting. It shows as the following:



4. Shortcut with Small Tool

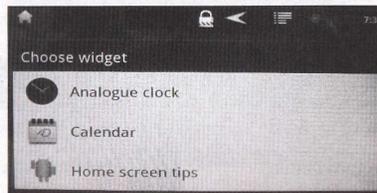
Shortcut

If you want to add a shortcut to the main screen, please press menu → add → shortcut, and choose shortcut to add to the main screen. Click the shortcut icon on the main screen to carry out corresponding shortcut operation.



Widget

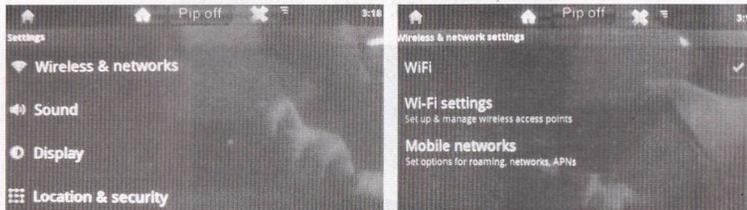
If you want to add a widget to the main screen, please press menu → add → widget, and choose a widget to add to the main screen. The widget can be added is shown as following:



5. Wireless Internet Connection

Wireless internet connection

1. Insert the matched USB card into the USB port and do the following operation after confirming the light of the module turns to green;
2. Press the Menu button and select "Settings" in the pop-up menu;
3. Select "wireless & networks" in the setting menu;
4. Select the check box behind Wi-Fi option to open Wi-Fi as shown below;



5. After the success of the network connection, Wi-Fi wireless connection icon will appear in the status bar at the top of the desktop.

.3.

6. Application Settings



Unknown source

Allow installation of applications from non-electronic markets after selected.

Manage applications

To manage and remove installed applications, press the menu button → setting → applications → manage applications.

Running services

To view and control the services currently running, press the menu button → setting → applications → running services.

Development

To set development options of applications, press the menu button → setting → applications → development.

7. SD card

Take out the SD card to check the available storage space.



8. Date and Time

To set date, time, time zone, signal timing and format, press the menu button → setting → date and time.

9. Language and Keyboard

Set language area (language and area), text input and automatic correction options.

.4.



Sogou input method, Baidu input method, Google input method and other input methods can be installed.

10. Touch Screen Calibration

To calibrate the touch screen, press the touch screen calibration icon. Follow the prompts to do touch screen calibration. Appropriate prompt will appear for returning to the setting list after the calibration is completed.

Troubleshooting

11. Touch Screen

Touch screen senses the track of finger trajectory, so can do the following operation:

Note: Do not place objects on the surface of the touch screen because that may scratch or crush it.

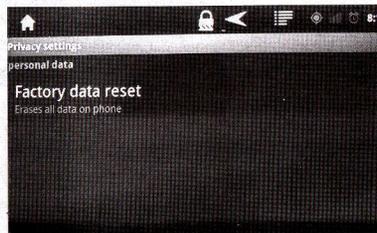
Click: Select an icon to do a single click to select icon or option needed.

Long press: Select an icon and long press it to drag it to the desktop display.

Drag: Drag in the desktop to switch among three interfaces.

In the process of using the touch screen, stylus can be used to instead finger:

12. Restore Defaults



To restore the device to original factory settings and clear all information, press the menu button → setting → privacy right → restore factory settings.

Warning: After selecting to reset the device, Google account, data and settings of system and application and downloaded applications will be deleted. Please cautiously use this function.

.5.

13. Storage Card Use

Insert a memory card:

Insert the memory into card slot and use your fingers to press the card in until hearing the sound of "click".

Go over files in the storage card:

Run the "ES file browser" program to go over the content in the card.

Remove the storage card:

When needing to pop up the TF card, please stop the file to record in the card, and then select "setting → SD card → uninstall SD card before pulling it out.

Note:

1. The card should be inserted into correct position, otherwise it will be damaged.
2. Storage card of major brands is recommended to be used to avoid that the card is not compatible.

The hot plugging of the storage card

Please do not do the hot plugging to the card while using or going over the files in the storage card. If pulling out the storage card directly while going over or using the files in the storage card in the software such as My Video, My music and My Album, the card may be damaged and the device may automatically exit the program for self-protection. Please see "Storage Card Use" for reference of the plugging of the storage card.

Storage space

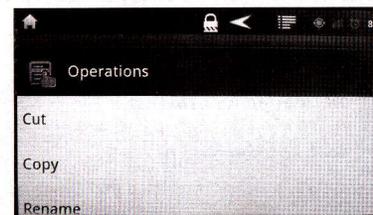
There are two available storage spaces in the device: internal storage of the device and the storage card. The displayed removable disk of the internal storage of the device is "ResidentFlash3"; the displayed folder name of the storage card is "SDMMC". The available space in the ResidentFlash3 for the user is about 1.6 GB, while the storage card depends on the specific capacity and the maximum storage card the device can support is 32GB.

File copy:

In the file browser, the displayed folder name of the internal storage of the device is "LocalDisk"; the displayed folder name of the storage card is "sdcard". To copy files between the internal storage of the device and the storage card, please read the following operation for reference:

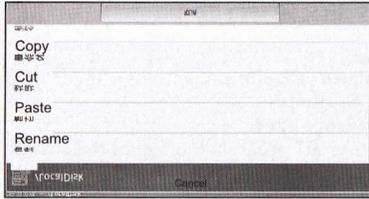
If you need to copy files from the storage card to the internal storage of the device:

1. Access to file browser, click the storage card icon  to enter sdcard folder;
2. Select the SCSI folder to open it to see the files in the external removable disk;
3. Selecting the files to copy and long press the icon, an operation list as following will popup;



4. Click copy to copy the selected files;
5. Click the internal storage icon  of the device to switch to LocalDisk;
6. Long press the blank area and an operation list as following will popup;

.6.



7. Select paste to paste the file to the current directory.

File delete:

Select the file you want to delete, long press the icon and select delete after the operation list popup. A delete confirmation dialog box will popup as following: Click OK to delete the file.

Files installation:

To install software in the file browser, you only need to click the installation file, the extension name of which is .apk. The installation prompts will popup. Select installation to install the software to the device.

Photo gallery

Click photo gallery icon  to enter the photo gallery to browse pictures:



Select one of the photos to enter slideshow mode, you can browse full-screen pictures, rotate pictures, select picture effects, change picture arrangement way and carry out operation and slideshow setting.

Click the icon  to set the pictures;

Click the icon  to enter picture sharing;

Click the icon  to delete the picture:

Press menu button in photo gallery interface and the following shortcut menu will popup:



Click the above icons to implement corresponding operation.

Music

Click music icon  to enter and select songs to play.



Press menu button in My Music interface and the following shortcut menu will popup:



Music playing:

Press volume plus or minus buttons to adjust the volume.

There are pause, play, fast forward and fast backward buttons for easy operation:



Audio formats supported: MP3, wav, AAC, AMB.

Sound

Set ringtone, notification and screen brightness



Silent mode

To set all sounds mute expect the media and alarm clock, press menu button → settings → sound and display → (sound settings) → silent mode.

Media volume

To set volume of music and video, press menu button → settings → sound and display → (sound settings) → media volume.

Notification ringtone

To set defaulted notification ringtone, press menu button → settings → sound and display → (sound settings) → notification ringtone

Operation sound selection

To make sounds while screen selection, press menu button → settings → sound and display → (sound settings) → operation sound selection

SD card notification

To make sounds while notification of SD card, press menu button → settings → sound and display → (sound settings) → SD card notification.

Animation

To display animation while opening and closing windows, press menu button → settings → sound and display → (sound settings) → animation

Output Select

To set HDMI mode, press menu button → settings → sound and display → (sound settings) → Output Select

HDMI Setting

To set HDMI resolution ratio, press menu button → settings → sound and display → (sound settings) → HDMI Setting

Brightness

To adjust the screen brightness, press menu button → settings → sound and display → (sound settings) → brightness.

Screen standby

To adjust the delay before the screen automatically turns off, press menu button → settings → sound and display → (sound settings) → Screen standby.

14. ES File Explorer

Click ES file explorer icon  to enter file browser interface:

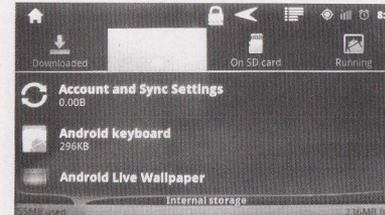


In the file browser, returning to the previous page , new folder , file search , switching to storage card sdcard  and switching to internal storage  of the device LocalDisk can be implemented.

15. Application Software Management

Installation

To install third-party software, open the ES browser select the file needed to install, the extension name of which is .apk:
Click installation to install the software:



After installation, you can immediately open the software and also can click the software to open on the subdirectory interface after completion.

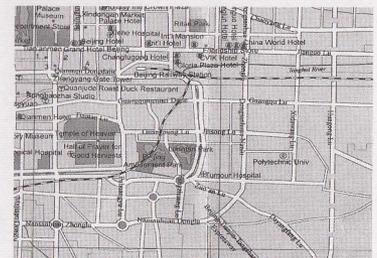
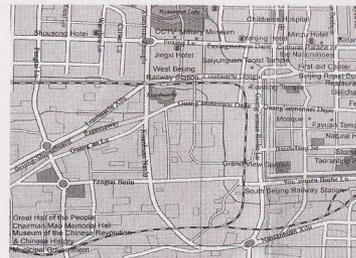
16. Typical Applications Introduction

Navigation software

Can support Google Map

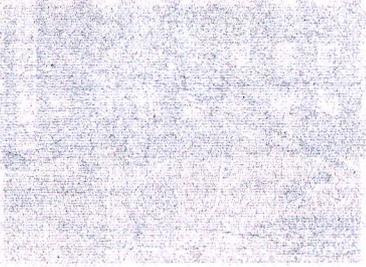
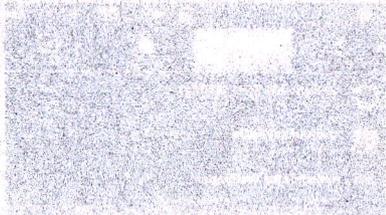


GOOGLE MAP



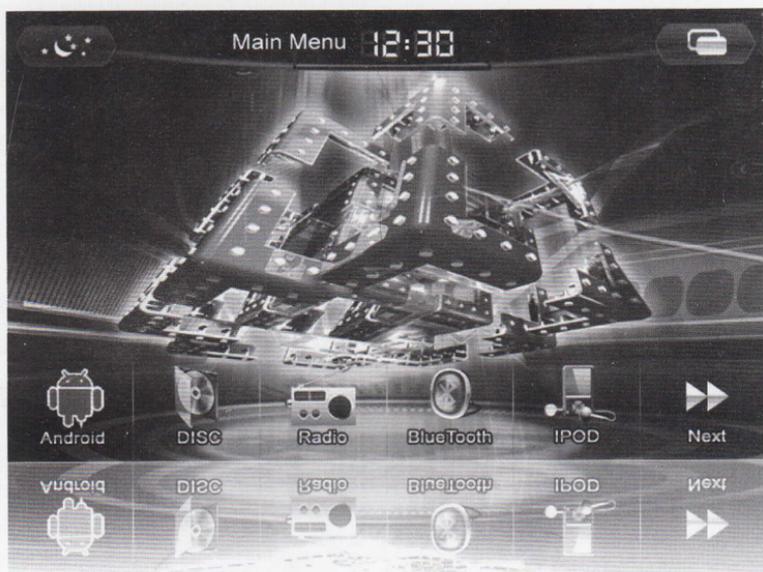
17. Solution of System Halt

In meeting the problem of system halt or blurred screen while entering into Android interface, long press RST button of the machine for five seconds or shutdown it for five seconds. After completion of electric discharge of the system, it will return to normal.



Car DVD Player

FM/AM MULTIMEDIA PLAYER



Instruction Manual

Instruction Manual

The operation manual is for reference only. Detailed images and functions please comply with the actual objects. They are subject to change without prior notice.

Welcome to purchase the product!

Thank you for purchasing car multimedia player made by us! To ensure your correct use of the system, please read the user's manual prior to use and keep it properly for your daily reference.

Safety Precaution

Warning

The disk entrance shall be kept clean and any dust that is found shall be wiped off immediately; The disk with dust shall be wiped off with clean cloth before it is placed into the player, otherwise, dust brought into the player with the disk will have impact on the transmission mechanism after a long time's use, resulting in slow entry, or no entry or exit of the disk.

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Notes for Installation

Notes for installation

The player only adapts to 12V-14V DC power negative-pole grounding system, so confirm if your car is applicable for this kind of negative-pole electrical grounding system prior to installation.

Prior to installation of the player, please take off the power source at negative pole (—), and the chance to damage your machine due to short circuit can be reduced in doing so.

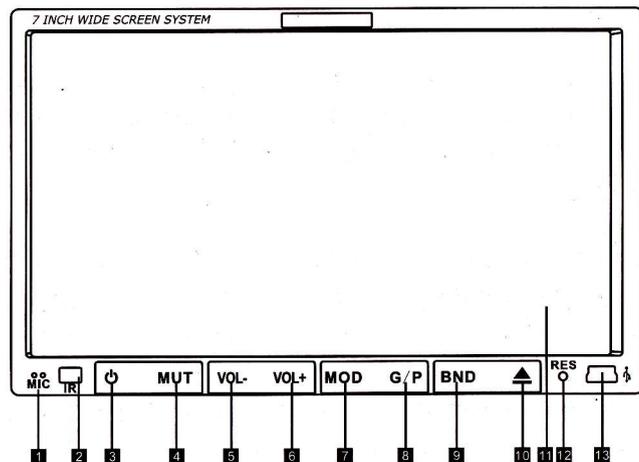
Wires shall be connected in accordance with colors in the guide to installation, for wrong connection may cause stagnancy of the machine or damage electrical system of the car.

The lead wire of a speaker (—) shall be connected to (—) its terminal, and it is prohibited being connected to chassis of the vehicle or the speakers.

Do not block the ventilation hole or heat radiation plate so as to prevent from fire as a result of over heating inside the machine.

After installation is completed and used for the first time (including replacing the battery of the car), press the RES key on the panel with a small tool so that the system is in the default setting state.

Panel schematic diagram



1 Microphone

Can be used to make calls using Bluetooth

2 Remote control receiver

Remote control induction area.

3 Power button

Short press this knob to enter Meun ; press and hold this button to start up or shut down the player.

4 Mute / switchboard

Short press to turn off the lighting / long press to turn off the lighting of the display screen

5 Volume-

Click to decrease the volume

6 Volume+

Click to increase the volume

7 Mode

Press the button to switch functions among DVD, radio, navigation, Bluetooth and other functions.

8 Adoroid/Navigation/band

If the machine is equipped with navigation function,

press the button to enter the GPS navigation map interface; when the machine has no navigation function. / Press the button under other functions to enter the main interface of radio. In radio interface, it has band switch function.

9 Band

Press the button under other functions to enter the main interface of radio. In radio interface, it has band switch function.

10 Slot-out button / decline screen

Long Press the button to eject the disc / make the screen decline to the right place, while short press the button to make the screen decline in sections.

11 LCD

Display all kinds of images and click the control menu in the screen to select control project.

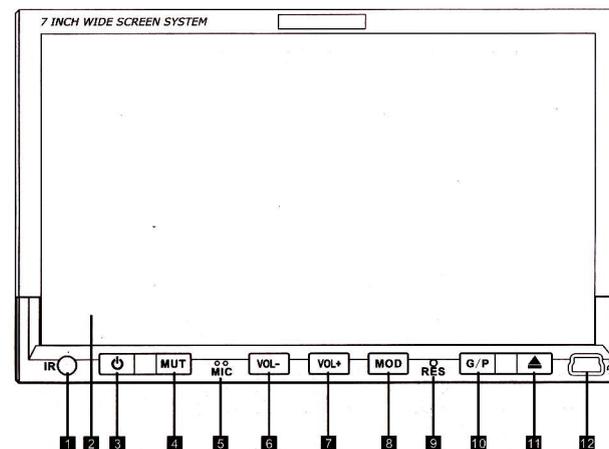
12 Reset button

Press the button to reset the system of the machine.

13 USB port

Can be connected to a memory card and the card can store music, movies or pictures for appreciation and reference.

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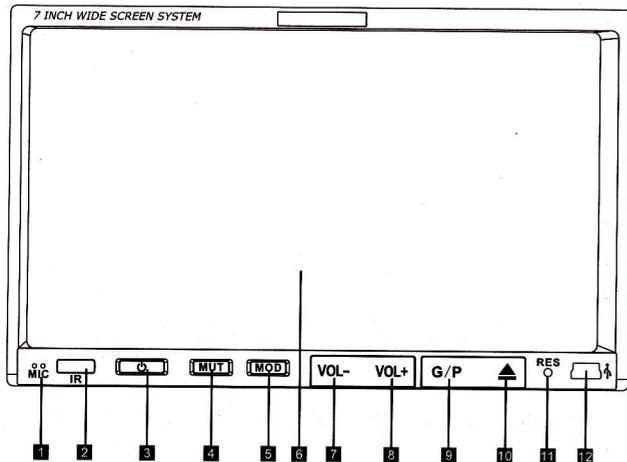
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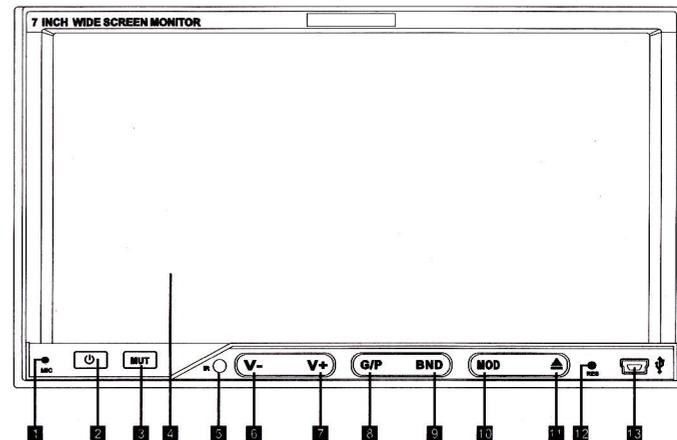
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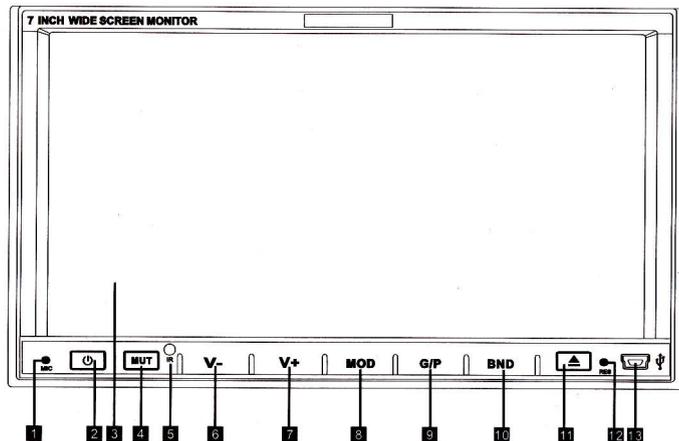
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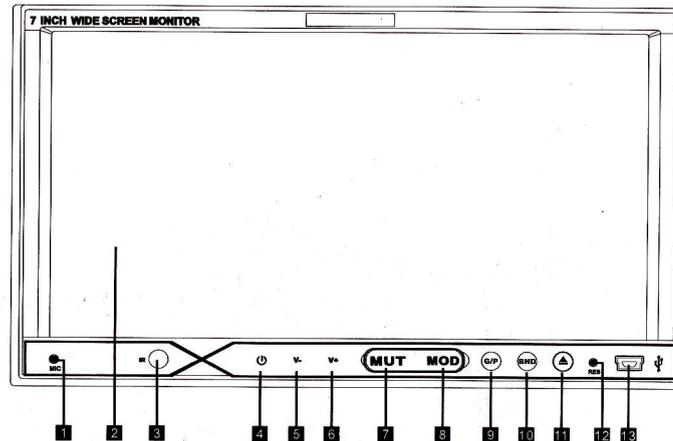
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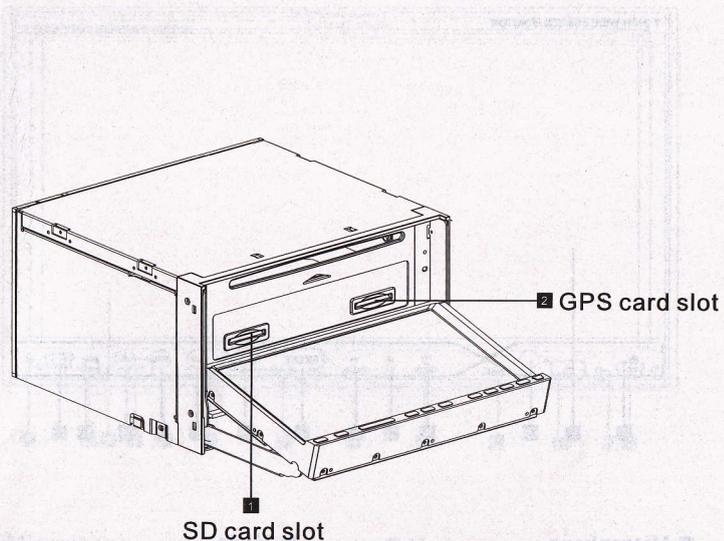
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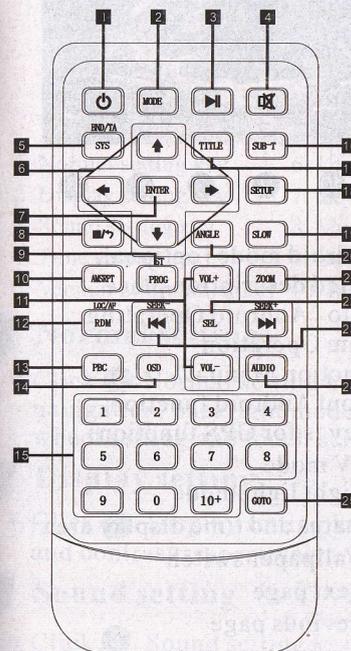
SD、GPS Parts on the front plate



◆SD card slot:A slot for inserting to taking out of the SD card with music ,movies and photos.

◆GPS card slot:If the machine is equipped with navigation function ,It be comes GPS Navigation map after insevting GPS card.If the machine is equipped with Android function ,you must operate into Android system to see movie picture or sisten to must after inserting SD card.

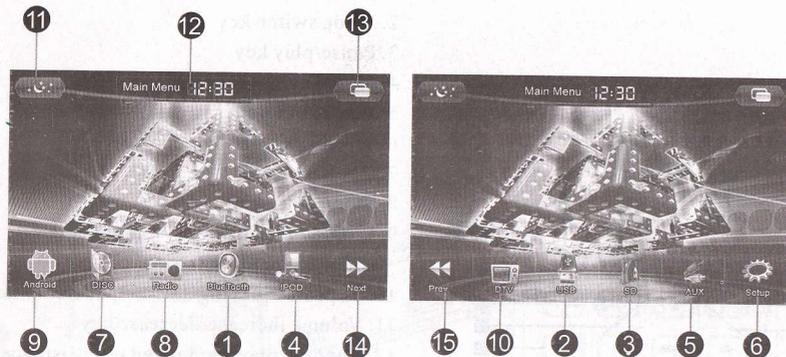
Remote Controller Position



1. Power key
2. Mode switch key
3. Pause/play key
4. Mute key
5. Waveband/pattern key
6. Menu position selection key
7. Confirm key
8. Stop/return key
9. Programmed playing/stereo/single sound channel switch key
10. Repeated playing/self-help memory key
11. Volume increase/decrease key
12. Random playing/ far and near distance control key
13. PBC playing
14. Playing time display switch
15. Number key
16. Caption setting
17. Title and list setting key
18. Setting menu key
19. Slow playing key
20. Viewing angle selection key
21. Zoomed-in image display key
22. Set audio feature
23. Radio station selection/DVD program selection/fast forward/fast backward key
24. Sound channel switch key
25. Playing time setting key

Basic operation

Main menu



1. Bluetooth mode
2. USB mode
3. SD/MCC card mode
4. IPOD mode (optional)
5. AUX IN mode
6. Universal setting mode
7. DISC mode
8. Radio mode (optional)

9. Android mode (optional, Detailed description place refer to "Android Operating System Operation Instruction Manual". Without Android function, the key is for GPS function)
10. TV mode
11. Night light mode
12. Status and time display area
13. Wallpaper switch
14. Next page
15. Previous page

Enter various modes

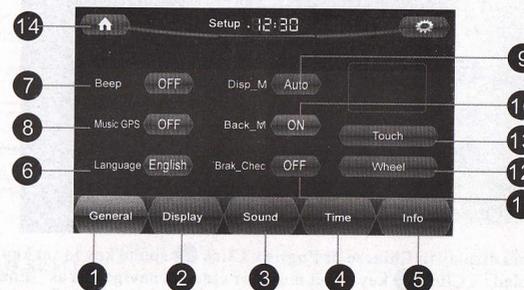
- Click ① - ⑩ keys to enter their respective modes.

Universal setting

- Click ⑥ [] icon in any interface other than that of GPS to show the menu of universal setting as in the following figure.

Basic operation

Universal Setting



1. Normal setting key
2. Display setting key
3. Sound setting key
4. Time setting key
5. Version information key
6. Language setting
7. Key sound setting
8. Music navigation setting
9. Backlight mode setting
10. Rear view setting
11. Brake check setting
12. Steering wheel setting
13. Touch screen calibration
14. Main menu key

Normal setting

- Click ① Normal setting key to set language, key sound, music navigation, backlight mode, rear view, manual brake check, steering wheel setting and touch screen calibration respectively.

Display setting

- Click ② Display setting key to set display mode, tone, brightness and contrast respectively.

Sound setting

- Click ③ Sound setting key to set sound effect mode, equal loudness, treble, bass and balance for four speakers in the car respectively.

Time setting

- Click ④ Time setting key to adjust time and date respectively.

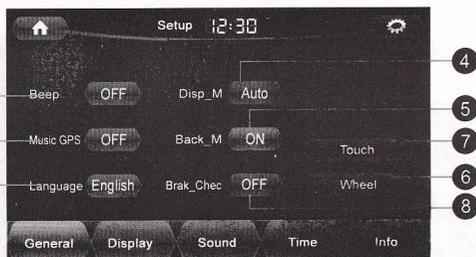
Return to main menu:

- Click ⑭ [] icon to return to main menu mode.

Basic operation

Normal setting

1. Language setting
2. Key sound setting
3. Music navigation setting
4. Backlight mode setting
5. Rear view setting
6. Steering wheel setting
7. Touch screen calibration
8. Manual brake check setting



- Click **1** key to set menu display in Chinese or English; Click **2** sound key to set key sound as "Enabled" or "Disabled"; Click **3** key to set music or video at navigation as "Enabled" or "Disabled"; Click **4** key to set backlight of the player in the mode of "Day" or "Night"; Click **5** key to set rear view as "Enabled" or "Disabled"; Click **7** key to set brake as "Enabled" or "Disabled"; Click **6** key to enter the next menu at the steering wheel. For specific operation, refer to the description for steering wheel setting in the following figure; Click **8** key to calibrate the touch screen.

Steering wheel setting

Setting and use of steering wheel:
If your car is controlled with a steering wheel, operate as per the following procedure:

1. Turn off the power, find the steering wheel cable (Caution: some car has three wires, and others have two) and ground wire, and connect the ground wire in the steering wheel to the ground wire among three wires of the steering wheel led out from the main engine. If the steering wheel of the car has three wires, connect the other two key wires to the remaining two key wires in the steering wheel led out from the main engine; if the steering wheel has two wires, connect the remaining key wire to any of the two key wires led out from the main engine;
2. Check the wiring for the steering wheel and turn on the power after confirming all wires are connected correctly, and click setting key on the right and upper of the screen to enter the setting menu;
3. Click steering wheel setting key on the menu to pop up the steering wheel setting menu;
4. After the steering wheel setting menu is popped up, press test key and you can see sampling value for A and B displayed in the information box, and this is the default value for the steering wheel sampled by the main engine;
5. Then click "Cancel" key under it and clear all keys. Remember to click this key each time to clear all previous settings before changing the setting;
6. Learn to click and use keys. Click the function key and "PLS PRESS KEY" will be prompted in the information column, prompting the user of the keys on the steering wheel required for definition. After pressing keys on the steering wheel, value for the key you press will be displayed in the information column, indicating that the key has been sampled by the main engine. And you can learn to use the next key, till all keys are learned.
7. After learning, you should press "Completion" key to keep keys you learn and enable steering wheel function. If you don't press "Apply" key after learning, all keys you learn before will be invalid;
8. After learning, if you do not want it, press "Cancel" key to cancel it and disable steering wheel function;
9. In the course of learning, if you think sampling value for some keys are too similar, and wrong codes are easy to occur, exchange the two key wires, that is to say, exchange the two key wires led out from the main engine. If the steering wheel has one key wire, connect it to the other key wire led out of the main engine and return to step 1 for learning again;
10. There may be several keys for the steering wheel, and you can learn function of the keys as per the function for keys on the menu. Do not mind whether there are the keys in the menu for steering wheel or not, for they do not influence your normal use. You need just to learn the keys on the steering wheel.
11. After learning the keys on the steering wheel, you can enter the setting menu and click "Cancel" key to disable steering wheel function. After it is disabled, your steering wheel will not work. If you need to enable steering wheel function, return to Step 1 to learn settings again.



Basic Operation

Display setting

- Click the display mode as shown in the right figure to choose from the following four modes:
Customize → Standard → Bright → Soft
- Click Tone, Contrast and Brightness as shown in the right figure to customize Tone, contrast and brightness of the display screen.



Sound setting

- Click Sound effect mode key as shown in the right figure to choose from the following five sound effects:
Standard → Rock N Roll → Pop → Jazz → Classic
- Click Equal Loudness key as shown in the right figure to choose from "Enabled" or "Disabled" states for equal loudness.
- Click leftward or rightward direction keys for Treble and Bass to customize treble and bass.
- Click leftward, rightward, upward or downward keys of the car as shown in the right figure to customize front, rear, left and right speakers.



Time setting

- Click key and key for time adjustment to set time and minute respectively.
- Click key for time adjustment to set display time as 12H or 24H.
- Click key and key for date adjustment as shown in the right figure to adjust year, month and day of the date.
- After adjustment is completed, click Apply key to pop up time setting menu.

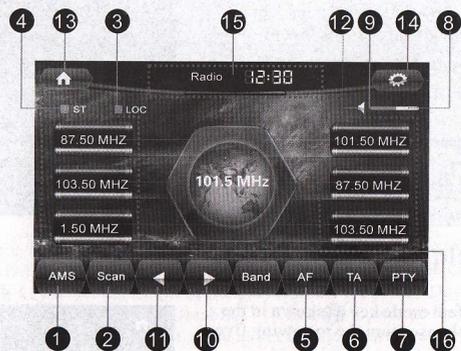


Version information

- Click [Version information] key to display version information of the software.

Radio Operation Mode

Radio mode



- | | | |
|--|---------------------------|----------------------------------|
| 1. Auto searching | 7. PTY (RDS) (optional) | 13. Return to main menu |
| 2. Scan and browse | 8. Volume + | 14. Universal setting |
| 3. Far/near distance switch | 9. Volume - | 15. Status and time display area |
| 4. Single sound channel/ stereo sound switch | 10. Automatic searching + | 16. Favorite radio stations |
| 5. TA(RDS) (optional) | 11. Automatic searching - | |
| 6. AF(RDS) (optional) | 12. Mute | |

Automatic searching

- Click **1** Automatic searching key, the player will search for radio stations automatically and store them in 1-6 keys of each wave band.

Browse/radio station

- Press **2** Scan key to browse radio stations preset in 1-6 keys of each wave band, and each radio station plays for 10 seconds.

Far/near distance switch

- Click **3** [LOC] key to set far or near distance search modes of the player. If near distance radio mode is set, the player only receives local radio stations with strong signals; and if far distance mode is set, the player will receive local and remote radio stations.

Stereo/single sound channel switch

- Click **4** or single channel radio mode.

Radio Operation Mode

RDS (optional functions)

- (**5**--**7**) will not work without RDS or RDS is disabled.
 - A. [PTY] click **7** to choose your favorite types of programs, and it searches for the programs you set automatically in 2 seconds.
 - B. [TA] Click **5** RDS to search for and play radio stations.
 - C. [AF] Default setting of AF function is in the state of "Enabled". To disable or enable it, press **5** key. In case current signal is weak, the player searches for radios automatically within 50 seconds and play radio stations with strong signal of same type.

Volume control

- Click **8** [+] and **9** [-] keys respectively to control increase or decrease of volume. Volume is divided into 40 grades. If volume is set above grade 30, turn off power (or ACC car key) and restart, volume of the player will be memorized in the set volume position; if volume is set below grade 30, volume of the player will be memorized in grade 15 after restarting.

Manual searching

- Click **10** and **11** keys to choose from different radio stations upwards or downwards, press and hold **10** and **11** keys, the player will search for radio stations upwards and downwards. After receiving a radio station, the player will stop at the frequency position of the radio station.

Favorite radios

- After the player receives a favorite radio, press one of 1-6 number keys for 2 seconds to store the radio into the number key. Click 1-6 number keys to play the radio stored in the key, as shown in **16**.

Return to Main Menu

- Click **13** [] icon to return to main menu.

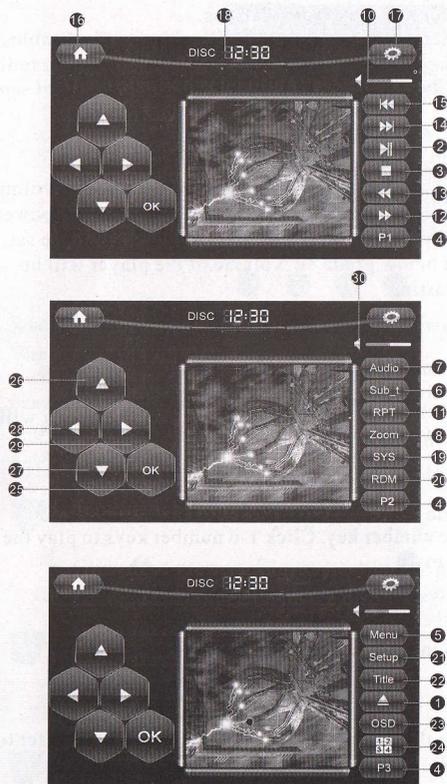
Universal Setting

- Click **14** [] icon to pop up the universal setting menu. For details, refer to part of universal setting at page 9.

DVD SD MMC USB Operation Mode

DVD/SD/MMC/USB operation mode

After a disk is placed into the player, the player will enter DVD mode automatically. In case there's a disk in the player, click DVD icon in the main menu to enter DVD mode.



1. Disk entry/exit key
2. Play/pause key
3. Stop key
4. Page up/down key
5. Menu play key
6. Caption key
7. Sound channel key
8. Zoom in/out key
9. Volume+
10. Volume-
11. Repeat playing key
12. Fast forward key
13. Fast backward key
14. Next program
15. Previous program
16. Return to main menu
17. Universal setting menu
18. Status and time display area
19. Pattern key
20. Random key
21. DVD setting key
22. Title key
23. Display key
24. Search key
25. OK key
26. Upward key
27. Rightward key
28. Leftward key
29. Downward key
30. Mute key

Disk entry/exit key

- Click ① [▲] key to complete disk entry and exit operations.

In the state of playing

- Click ② [▶] key to pause playing and click it again to resume normal playing.

DVD SD MMC USB Operation Mode

Stop playing

- In the state of playing, click ③ [■] key to stop playing and click ② [▶] key to play again.

Page up/down key

- Click ④ P1 key to enter page 2, click ④ key to display P2, click P2 to enter Page 3, click ④ key to display P3, click ④ key to display P3, click P3 to enter page 1

Menu play

- Click ⑤ [Menu]key to enter menu playing mode,[The disk shall be VCD2.0 or DVD supporting menu playing]

Caption key

- Click ⑥ [Caption] key to choose from various captions accompanied with DVD.

Sound channel function operation

- Click ⑦ [Sound channel]key to switch among left sound channel, right sound channel, mixed sound channel, stereo and language (shall be supported by the disk) freely.

Zoom in/out key

- Click ⑧ [Zoom in/out] key to magnify screen displayed in DVD. Refer to directions for remote controller.

Volume control

- Click ⑨ [+] volume key to increase volume, and click ⑩ [-] volume key to decrease volume.

Repeat playing

- Click ⑪ [Repeat] key to set repeat playing mode and the sequence for repeated clicking is as follows:

Remarks: The default is repeated playing of the whole disk

```

    Single program repeating → Whole disk repeating → Close repeating
  
```

Fast forward/backward control

- Click ⑫ [▶▶] and ⑬ [◀◀] keys for fast forward or backward playing respectively. Click ⑫ ▶▶ key continuously to enter fast forward ×2/ fast forward ×4/ fast forward ×8/ fast forward ×20 playing]. In the state of fast forward or fast backward state, press ② [▶] key directly to resume to normal playing state.

DVD SD MMC USB Operation Mode

Program selection setting

- Click **14** [**▶▶**] or **15** [**◀◀**] key to select next program or previous program respectively.

Return to main menu

- Click **16** [**⬆**] icon to return to main menu.

Universal setting

- Click **17** [**⚙**] icon to pop up a universal setting menu. For details, see part of universal setting at page 9.

Pattern key

- Click **19** [Pattern] key to choose from NTSC/PAL pattern/Automatic systems.

Random key

- Click **20** [Random] key to play programs in DVD in a random manner.

DVD setting key

- Click **21** [setting] key to set DVD mode.

Title key

- Click **22** [Title] key to display list of titles in DVD.

Display key

- Click **23** [Display] key to display DVD playing time, programs and remaining time.

Search key

- Click **24** [Search] key to search for programs in DVD.

Confirm key

- Click **26** - **29** leftward, rightward, upward and downward keys to choose the state you want and click **25** key to confirm.

Speaker state display

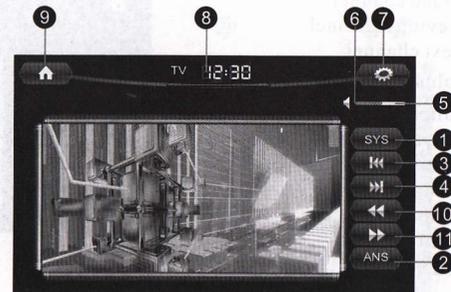
- Click speaker [**🔊**] as shown in **30** and it will be changed into the state [**🔇**] as shown in the figure, viz. Mute, and click again to return to the state with sound.

TV Operation Mode

In main menu, click TV icon to enter TV mode (analog TV or digital TV are available for selection)

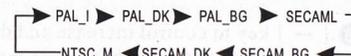
TV mode Analog TV

- TV pattern setting
- TV pattern setting
- Previous channel
- Next channel
- Volume -
- Volume +
- Universal setting menu
- Status and time display area
- Return to main menu
- Automatic search
- Previous channel



TV pattern setting

- Click **1** [TV setting] key to select correct TV audio/video mode repeatedly. Click **1** [TV setting] key repeatedly to select TV pattern as per the following sequence:



Preset radio station

- Click **2** [automatical radio search] Button, it will automatically scan and store radios. The maximal number of radios it can store is 99.

Volume Control

- Click **5** [+] and **6** [-] key to control increase and decrease of volume. Volume is divided into 40 grades. If volume is set above grade 30, turn off power (or ACC car key) and restart, volume of the player will be memorized in the set volume position; if volume is set below grade 30, volume of the player will be memorized in grade 15 after restarting.

Channel selection

- Click **3** [▶▶] or **4** [◀◀] keys to select previous or next channel.

TV Operation Mode

Digital TV

1. Menu
2. Sound channel
3. Previous channel
4. Next channel
5. Volume-
6. Volume+
7. Universal setting menu
8. Status and time display area
9. Return to main menu
10. Caption
11. Exit key
12. Search key



Menu

- Click **1** [Menu] key to display digital TV menu.

Sound channel

- Click **2** [Sound channel] to control left and right sound channels of digital TV.

Volume control

- Click **6** [+] and **5** [-] key to control increase and decrease of volume. Volume is divided into 40 grades. If volume is set above grade 30, turn off power (or ACC car key) and restart, volume of the player will be memorized in the set volume position; if volume is set below grade 30, volume of the player will be memorized in grade 15 after restarting.

Channel selection

- Click **3** [<<] or **4** [>>] keys to select previous or next channel.

Caption

- Click **10** [Caption] key to control caption of digital TV.

Close

- Click **11** [Close] key to exit from digital TV interface.

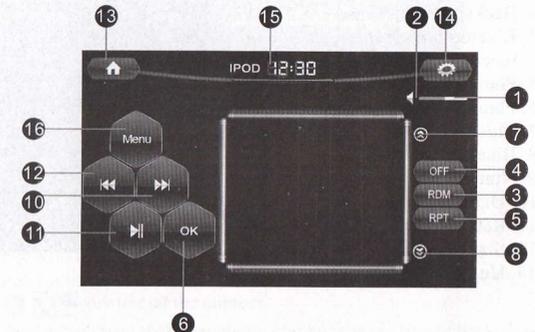
Search

- Click **12** [Search] key to search channels of digital TV.

IPOD Function Mode

IPOD function mode (optional)

1. Volume +
2. Volume -
3. Random key
4. Close key
5. Repeat key
6. Confirm key
7. Video
8. Previous video
9. Next video
10. Next program
11. Play/pause key
12. Previous title
13. Return to main menu
14. Universal setting menu
15. Status and time display area
16. Menu key



Volume control

- Click **1** [+] and **2** [-] keys respectively to control increase or decrease of volume. Volume is divided into 40 grades. If volume is set above grade 30, turn off power (or ACC car key) and restart, volume of the player will be memorized in the set volume position; if volume is set below grade 30, volume of the player will be memorized in grade 15 after restarting.

Random

- Click **3** [Random] key to play audio and video contents in IPOD randomly.

Close

- Click **4** [Close] key to close IPOD connection state and IPOD starts charging immediately.

Repeat

- Click **5** [Repeat] key to repeat playing current program or repeat playing all programs in a cycling way.

Menu playing

- Click **16** [menu] key to enter menu playing mode.

Program selection setting

- Click **10** [>>] key or **12** [<<] key to select next program or previous program.

In the state of playing

- Click **11** [>||] key to pause playing and click it again to resume normal playing.

In the state of playing

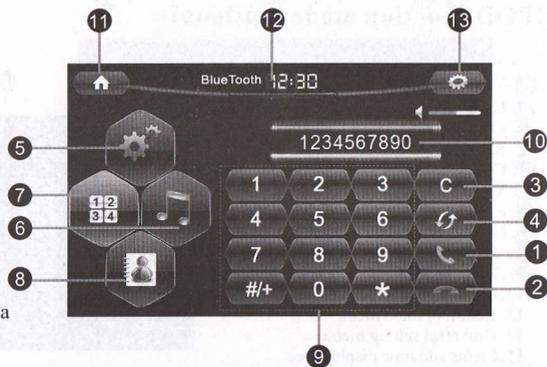
- In the state of playing, click **7** [▲] key to select upwards and click **8** [▼] key to select downwards.

Bluetooth Operation Mode

Bluetooth mode

1. Dial/receive key
2. Refuse/hang-up key
3. Backspace key
4. Bluetooth/mobile phone receiving switch key
5. Phone dialing
6. Phonebook
7. Music playing
8. Bluetooth setting
9. Number dialing key
10. Dialing display box
11. Return to main menu
12. Status and time display area
13. Universal setting

Phone dialing



Bluetooth matching and connection

Turn on the power of the player and Bluetooth function will be enabled automatically.

- For the first matching, search for matching Bluetooth equipment with a mobile phone. Select OK. Input universal code "0000" and confirm and the mobile phone will display as "Matching is successful". Select connection and confirm.
- After mobile phone has been matched and connected with the player, it will be connected automatically for next startup.

Remarks: Operation for different kinds of mobile phones is different. Refer to operation manual of mobile phone for details.

Dial/receive phone

- Press number key to display the phone number on the **12** Status and time display window. If the number is pressed by mistake, press **3** [C] key to clear it. Clear **1** [Phone] key again to dial the phone number and press **2** [Phone] key to hang up.
- For receiving an incoming call, as a call comes in, number of incoming call will be displayed on the status display bar. Click **1** [Phone] key to receive the incoming call and press **2** [Phone] key to refuse the call.

Return to the main menu

- Click icon **11** [Home] to return to the main menu.

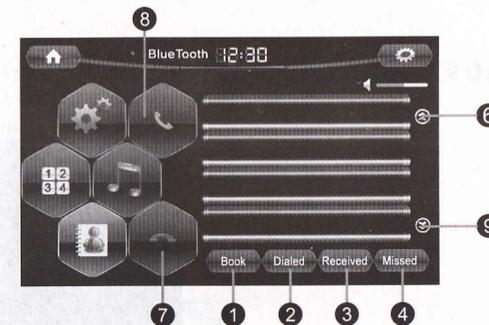
Universal setting

- Click **13** [Gear] icon to enter the universal setting menu. Refer to part of universal setting at page 9 for operation of universal setting.

Bluetooth Operation Mode

Phonebook

1. Phonebook
2. Dialed phone
3. Received phone
4. Un-received phone
5. Bluetooth/mobile phone receiving switch
6. Page up
7. Refuse/hang-up
8. Dial/receive key
9. Page down

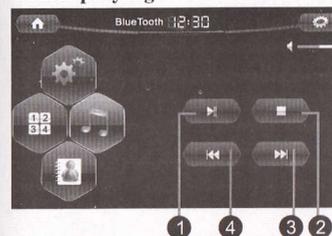


Search of phonebook/received/dialed/un-received phones

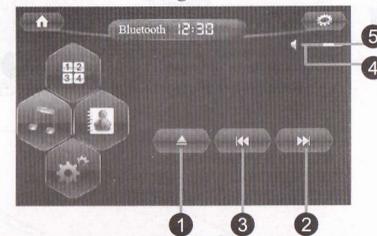
- Upload phone numbers in accordance with Bluetooth protocol supported by the mobile phone.
- Click **2** [Dialed phone] key to search for latest dialed phone numbers, max. 10 numbers. After selecting the phone number, press **8** [Phone] key to dial the number.
- Click **3** [Received phone] key to search for latest received phone numbers, max. 10 numbers. After selecting the phone number, press **8** [Phone] key to dial the number.
- Click **4** [Un-received phone] key to search for latest un-received phone numbers, max. 10 numbers. After selecting the phone number, press **8** [Phone] key to dial the number.

Note: Upload way of phonebook is set in accordance with different mobile phones. Please upload to the player with universal Bluetooth in the phonebook of the mobile phone.

Music playing



Bluetooth setting



Mobile music playing

- Bluetooth of the player supports A2DP stereo Bluetooth music playing communication protocol and supports active control function. If the Bluetooth connecting the player supports A2DP communication protocol, just click **1** [Play/Pause] key in the standby state. The player will control music playing of the mobile phone. Click **1** [Play/Pause] key in the state of music playing. If music playing is paused, click **1** [Play/Pause] key again to resume to normal playing state. Click **3** [Next] key to select next program and click **4** [Previous] key to select previous program. Click **2** [Stop] to stop playing.

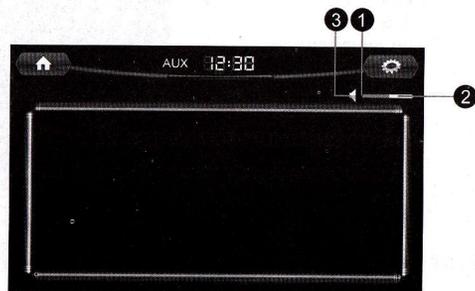
Bluetooth setting

- Click **1** [Reset] key to clear data stored via Bluetooth, press **3** [Connection] to connect Bluetooth, click **2** [Disconnect] key to disconnect the connected Bluetooth.
- Click **4** [-] key to decrease volume of Bluetooth and click **5** [+] key to increase volume of Bluetooth.

AUX Operation Mode

AUX mode

1. Volume-
2. Volume+
3. Mute/sound



Volume control

- Click **1** [+] and **2** [-] keys respectively to control increase or decrease of volume. Volume is divided into 40 grades. If volume is set above grade 30, turn off power (or ACC car key) and restart, volume of the player will be memorized in the set volume position; if volume is set below grade 30, volume of the player will be memorized in grade 15 after restarting.

Speaker state display

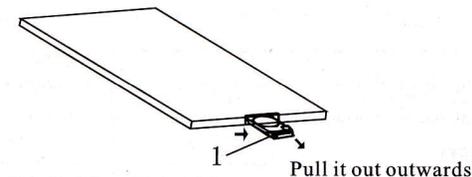
- Click speaker [] as shown in **3**, it will be changed into the state of [] as shown in the figure, viz. mute and click again to return to the state with sound.

Precautions for the use of remote controller

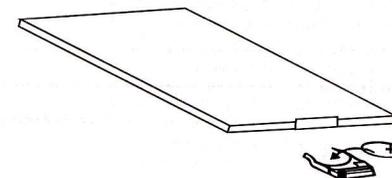
Place remote control transmitter on the remote controller at the IR of remote control receiver on the main engine for a series of operations.

Replacement of battery of remote controller

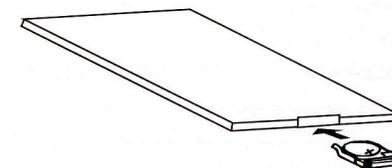
- 1). Hold cord 1 in the middle and pull out the battery base.



- 2) Put the side of the battery with mark (+) upwards and place in button-type battery.



- 3) Insert the batter base into the remote controller till it is put in place with a "click" sound.



Notes:

1. After it is used for a period of time, replace the lithium battery when remote control distance is shortened or it does not work;
2. The battery shall be put in a place out of reach of children. In case it is swallowed, send to the doctor immediately.
3. For installation of the battery, make sure the polarity of the battery shall be correct. Please do not hold the battery with metal pincers, which may result in short circuit.

Specification

Convention

Power supply	14.4DC
Load	4 ohm
Maximum power output	60Wx4
Tone control	+/-8dB(Bass 100Hz,treble 10KHz)
Size	approx,192x178x100mm(LxWxH)
Installation size	approx,169x182x106mm(LxWxH)
Weight	approx.2.5kg

DVD part

Disc play	DVD/VCD/2.0/MP3/MP4(DIVX/CD/PICTURE-CD)
Image format	AUTO/PAL/NTSC
installation angle	0 to +/-30 degree

Video part

Video output	1.0 vp-p 75 ohm
Horizontal resolution	500
Image format	16:9 mail box and 16:9 flat scanning

Audio frequency part

Maximum output level	2 Vrms(+/-3dB)
Frequency response	20 to 20 KHz
Signal to noise ratio	85 dB
Separating degree	80 dB

AM tuning part

Frequency range	522-1620KHz(Europe/China),530-1710KHz(America)
Intermediate frequency	450KHz
Practical sensitivity	25dB

FM tuning part

Frequency range	87.5-108MHz(Europe/China),87.5-107.9MHz (America)
Intermediate frequency	10.7MHz
Practical sensitivity	15 dB
Signal to noise ratio	60 dB
Stereo separation	30 dB(1MHz)
Frequency	30-15MHz

Trouble-shooting

Fault	Cause and solution
No power supply	★ Check if the fuse for power supply is burned and fuse with proper capacity shall be replaced when necessary
Display of LCD is in disorder or keys do not work	★ Press RESET key for one time
Radio station can not be received	★ Check if the antenna is connected or is connected properly. If so, connect the antenna properly
Radio receiving effect is poor	★ Length of antenna may not be set properly. Check if the antenna sticks out completely or if it is broken. If so, stick it out or change a new antenna. ★ Broadcast signal is too weak, change another radio station of strong signal. ★ The antenna is not grounded properly, Confirm if the antenna is grounded properly.
CD disk can not be loaded	★ If a disk has been loaded into the player, just exit it
Stereo sound indicator flashes	★ Calibrate frequency for tuning radio ★ Broadcast signal is too weak, please set it at MONO mode
Noise	★ CD disk is damaged or dirty. Replace with a qualified disk
No image	★ Video cable from the player is not connected to TV set properly
Image jumps	★ Color system is not set properly. Set color system as PAL or NTSC in accordance with the condition for the TV set connected
Bluetooth function does not work	★ If Bluetooth mobile phone is matched and connected correctly without the player Match and connect again referring to user's manual for mobile phone
Echo for communication with Bluetooth is too big	★ Volume is too large. Decrease volume appropriately
Bluetooth music from mobile phone or sound in communication is intermittent	★ If Bluetooth mobile phone is placed far from the player. Place the mobile phone within 5m from the player

★ Note: If the faults are not removed with the above methods, do not dismantle the machine for repair. Please ask for help from your local distributor.

DVB-T module User Manual



DVB-T

Guide

- ◆ Welcome to the wonderful world of mobile TV using mobile TV features, you can signal coverage within the scope of mobile TV signals from the suppliers to provide the best television programs, real-time understanding of external information, in the process of moving access to the spirit of joy ;
- ◆ When you want to use mobile TV features, the manual will provide you with useful information;
- ◆ Please read carefully the "Guide" instructions and instructions and use only the original accessories, can not be expected to avoid the damage. If you do not follow the correct procedure to use the system or connect incompatible accessories, such acts would lead to automatic failure warranty, and you may even endanger the safety of others. In response, the Company assumes no responsibility;
- ◆ TV screen depends on the clarity of television signals in the strong or weak, no programme for the fuzzy images or images to transfer to open or use an external antenna, if it still can not receive, please contact the local TV signal providers and distributors;
- ◆ not to the module on the temperature is too high or too wet;
- ◆ function due to the increase or change and improve the performance of the manual version, without notice;
- ◆ the "Guide" in the picture for reference purposes only, are subject;
- ◆ I reserved to the "Guide" the ultimate power of interpretation.

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1. Introduce

This DVB-T module is fully compliant with the international DVB standard and thus transmits digital images, sounds and information guides directly to your TV through the terrestrial broadcasting. Now you can comfortably see and receive digitally transmitted music, news, movie and sports terrestrial broadcasts in your office on at your home. In the Channel Search section, both the automatic channel search method and the manual Search mode are provided. The Menu is very modern and supports different languages. All functions can be carried out using the TSP, touch screen panel, and some of the functions can also be carried out using the front panel. The slim module is easy to use and adaptable for future advances. Please be aware that new software may change the functions of the slim module.

1.1 Features

- Auto/Manual search
- Supports multinational Language
- Channel manager
- Auto save channel
- Supports high speed mobility
- Strong to noise/good sensitivity
- Compliant with full DVB-T standards
- Audio output supports Stereo Audio R/L,I2S
- supports EPG,Teletext,Subtitle
- Video output supports ITU656/601,CVBS
- PND,PMP,MP3/4,Mobile TV,Hand-held applications

2.search channel

If your slim module is connected to the aerial and television, you can automatically search channels without entering any other information. it is because no channel storage search, you can set up search mode and the country.



Figure 2.1



Figure 2.1 A

Remark:

- a) Press the **Menu** button to enter the main menu interface, four icons screen, that were Installation, System, Channel list and Preferences, press the **▶▶** or **◀◀** button to choose the icon, to be elected the icon was to enlarge highlighted (Figure 2.2 show). We selected to install icon and press the **▶▶** button to enter the installation menu, the installation menu can be set into the country and search, it provides two method of the search: automatic and manual channel search channels.(Figure 2.3 show)



Figure 2.2



Figure 2.2 A



Figure 2.3



Figure 2.3 A

- b) Press the (Figure 2.3) / (Figure 2.3 A) / button to select next menu, press the button to return the main menu, press the button to exit the menu interface.
- c) Used the / button to select menu items from top to bottom, press button to confirm the current operation.

2.1 country setting

You can set the country for Menu. Default country is England.

1. Enter to the installation menu.

2. Press the / button to display the available Country List.

3. Select your desired country using the / button, and press the button to confirm (Figure 2.4show)



Figure 2.4



Figure 2.4 A

2.2 Automatic Search

- a) Use the / button to select automatic search and press the button, Into the automatic search interface, Wait while the receiver searches for the channels, this may take a few minutes. (Figure 2.5show)
- b) In automatic search period, the progress instructed that the strip will have the search progress indication, in search period, if will press the key operation to pause, press / button to select Save button and exit.
- c) If search operation is successfully completed, and the channel does not exist, press the button to select Exit and try to reset the search operation again if necessary.
- d) The auto search will complete the program which the automatic demonstration will search in the left side program tabulation, please choose save and exit menu.

2.3 Manual Search

- a) Press the button and use / button to select Manual Search, enter manual search interface.
- b) You can use / button to select channel and frequency ,press the button to enter, you can

using / button to change channel and frequency. (Figure 2.6show)

c) Use the / button to select search button, press the button to search.

d) When completing Channel Search, press the button can automatic to save the changes and display program.



Figure 2.5

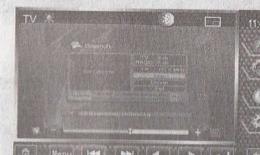


Figure 2.5 A



Figure 2.6



Figure 2.6 A

Remark

- ◇ Please wait for finishing the Channel Search. If you want to stop the Channel Search, press the button. If the Channel Search is stopped or finished, then press the button, the result of Channel Search is automatic saved and display the channels program.
- ◇ If search operation is successfully completed, and the channel does not exist, press the button and try to reset the search operation again if necessary. When completing Channel Search, the Channels automatic save to changes. You can easily set-up using simple organization and options, and watch the broadcasting after completing the set-up procedure.
- ◇ Press the button to save the previous input information and exit the installation wizard when running the installation wizard. If you exit the install wizard without fully completing the setting procedures, you may not watch any broadcasting normally. In this case, you can use the Installation Menu to configure your receiver as you like.

2.4 Reset Default

1. Enter the installation menu
2. Press / button to select reset default, and press the button to confirm
3. Using the (Figure 2.7show) / (Figure 2.7A show) / (Figure 2.7show) / (Figure 2.7A show) button to select Yes or No , and press the button to confirm. Select Yes to restore all setting to Factory Default. Select No to return to System. (Figure 2.7/A show)
4. Reset default menu of restore all setting to Factory Default, please note you to restore a time default data to be able to delete, for example: Channel, menu, installation and so on. It all



Figure 2.7



Figure 2.7 A



Figure 2.8



Figure 2.8 A

2.5 Search shortcut way

- The first press search channel shortcut into the Language Interface, press and button to select Language menu.(Figure 2.8 show)
- The second press search channel shortcut into the country Interface, press and button to confirm search country.(Figure 2.4 show)
- The third press search channel shortcut reset t Interface(Figure 2.7show), press and button to confirm one.
- The fourth press search button into automatic interface and search channel. The back of the parade with the above-mentioned.(Figure 2.6 show)

3.Basic Operation

This chapter describes functions such as switching channel, volume control, and basic features for watching programs.

4. Preferences setting

Remark

a) You can set the language for Menu/Video/Audio/other, Default language is English.

b) Pressing the **Menu** button to enter the main menu.

c) Pressing the (Figure 4.1 show) / (Figure 4.1A show)

button to select preferences setting, using the button to enter preferences setting.

4.1 Language setting

a) Press the button to select Language setting. (Figure 4.1 show)

b) Press the button to display the available Language List. (Figure 4.2 show)

c) Press the button that language choice needs, use the button to confirm and exit



Figure 4.1



Figure 4.1 A



Figure 4.2



Figure 4.2

4.2 A/V Control

- Press Menu button to select preferences.
- Use the button to select A/V control, press the button to display option.
- Use the button to select ,then you can change Video output system/Audio output/Screen Ratio/Display format, press the button to confirm, press the button to exit. (Figure 4.3 show)



Figure 4.3



Figure 4.3 A

4.3 Personal Style

- Press Menu button to select preferences;
- Use the button to select other setting, press the to display option;
- Use the button to set OSD display time , menu transparency and colour, press the to revise, press the to exit.(Figure 4.4 show)



Figure 4.4



Figure 4.4 A

5. System Setting

Remark:

- You can see the situation and signal status;
- Press the **Menu** button to enter the main menu interface;
- Press the **▶▶/◀◀** button to select system menu, press the **◀** button to enter menu.(Figure 5.1 show)



Figure 5.1



Figure 5.1A



Figure 5.2



Figure 5.2

5.1 Display System Situation

- Enter the system parameter menu; press the **▶▶/◀◀** button to select system menu, press the **◀** button to enter system menu.
- Press the **▶▶/◀◀** button to select system situation menu;
- Press the **◀** button to confirm., The screen will display the current system status(Figure 5.2 show)

5.2 Display signal status

- In the menu system used the **▶▶/◀◀** button to select signal status menu;
- Press the **◀** button to Into the signal status display menu
- The first line shows the signal strength, and the second line shows the signal quality of the state.(Figure 5.3 show)



Figure 5.3



Figure 5.3A

6. Channels List

Remark

- Channel list menu can be set up and edit channels like Channel;
- Select channel list icon, press the **◀** button to display the interface, (Figure 6.1 show);

6.1 edit channels

- Into the channel menu list;
- Press the **▶▶/◀◀** button to select edit menu channel, using the **◀** button to into the edit interface channel(Figure 6.2 show).
- Red button is locked, is the key to unlock the green, yellow button is removed, the blue button is editing. The panel button to lock the corresponding colors / unlock / Delete / editor, and other functions;

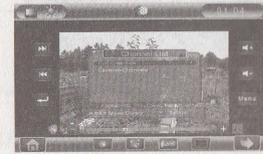


Figure 6.1



Figure 6.1A



Figure 6.2



Figure 6.2A

6.2 Edit Favorite Channels List

- Enter the favorite channels list menu;
- Press the **▶▶/◀◀** button to Select the favorite channels menu, use the **◀** button to into the favorite interface channel(Figure 6.3 show)
- Use the **▶▶/◀◀** button to select TV or favorite list, Press **▶** to exit.



Figure 6.3



Figure 6.3A

6.3 Operation favorite channel list

When you have added some channels to Favorite list, then exit press Menu and  button Press  button change to RADIO/TV or favorite channels list, In the list of favorite programs and TV channels in the list, using /  button and  button change to channel. (Figure 6.4 show)



Figure 6.4



Figure 6.4 A

7. Menu Map

Installation	Country setting	Your country	ENGLAND,GERMANY,FRANCE,ITALY,SPAIN,TURKEY,PORTUGAL,GREECE, RUSSIA,CZECHREPTAIWAN,CHINA,HOLAND,AUSTRALIA
	Automatic Search		
	Manual Search		
	Reset Default	OK Cancel	
System	System Status		
	Signal Status		
Channel List	Edit Channels		
	Favorite Channels		
Preferences	Language Setting	Menu Language	
		Audio Language	
		Subtitle Language	
	A/V Control	TV Type	NTSC/PAL
		Video Output	Stereo/Mono
		Screen Ratio	4:3/16:9
		Display Formiat	Auto/ Letter Box/ Center Mode
	Personal Style	Display Time	1/3/5/10/15/20/
		OSD transparency	Disable/25/50/75
		Palatte	

8. Trouble Shooting

If the product does not work normally after completing the following trouble shooting, please contact your local product distributor or service centre.

Error message	Possible causes	What to do
No or bad signal	The aerial is not pointing properly.	Adjust aerial. Check the cable from the aerial. If you cannot resolve the problem you may need to have your aerial and installation tested by a professional.
The channel is scrambled or not available.	The channel has signal, but no audio or video.	Confirm if the channel is currently on air.
	The channel is not deleted by broadcasting company.	
	The channel is for data broadcasting.	Cannot watch the channel in usual way.
The channel is scrambled.	This digital terrestrial receiver does not support the service that enables to descramble the scrambled channels.	
The audio is not available.	The channel has signal, but no Audio.	Press the RED button to confirm if the channel has Audio.
The antenna cable is short-circuited.	Antenna cable is shorten. Antenna is internally shorten. Antenna in port is inserted by alien substance or damaged.	Replace antenna. Remove the alien substance and contact local service center if it is damaged.