

# Car DVD Player

DVD、VCD、MP3、MPEG4、DIVX、JPEG、  
FM/AM MULTI MEDIA PLAYER



## Acknowledgements

- Thank you for your purchase of this car multimedia player! In order to use this system properly, please read this manual carefully and keep it for future reference before using the player.

## Warning

1. To avoid fire or electric shock, keep the player dry from rain or moisture.
2. Do not put the device under direct sunlight or around heat, or in places with high temperature, water, high pressure or strong vibration.
3. If the car has been kept in cold/hot environment for a long time, then you may have to wait till its temperature return to normal before using the player.
4. TV shows, movies and other files may be subject to copyright protection; unauthorized use, illegal copy, illegal download are in violation of copyright and intellectual property rights, the Company does not assume any liabilities.
5. In case of loss of important documents due to device damage, the Company is not supposed to assume any liabilities.
6. No compensation will be granted towards individual damages, such as those caused by operations not following the instruction.
7. When the panel slides, do not put you fingers inside the device, or you may get injured.
8. Operations are subject to real operating environment!

## Table of contents

---

Notes -----	03
Installation notes -----	03
Installation and technical specifications -----	04
Connection guide -----	06
Controller layout -----	07
Basic functions -----	08
Main function interface touch operations -----	09
Radio interface touch operations -----	10
DVD / SD / USB operations -----	13
AUX operations -----	16
TV interface operations -----	17
BLUETOOTH interface operations -----	19
GPS interface operations -----	21
Audio selection(SEL) / image display (DISPLAY) / settings -----	23
General setup -----	25
Braking interface operation -----	26
Remote control -----	27
Remote operations -----	28
Steering wheel Control Operation Interface -----	34
Simple troubleshooting guide -----	35

## Notes

- Remote control function is not available in some models, in this case, please pass the relevant part in the guide.
- Please do not remodel the machine, or it may lead to accidents.
- Please stop the vehicle in a safe place before performing any operation which may disturb your driving.
- Please do not use the machine in extremely low / high temperature environment; make sure the in-car temperature is between +60°C and -20°C before turning on the device

## Installation notes

- This device only adapts to 12V-14V DC negative grounding system, check out if your car is applicable before installation.
- Prior to the installation, please disconnect the negative side of the power supply to avoid damage to the device due to short-circuit.
- You must connect the wires of different color according to the guide, or it may lead to device failure or electrical system damage.
- The negative pin of the speaker must be connected to its negative terminal, not to the car body or other speakers.
- Please do not block the cooling vents or plates in order to prevent internal overheating which may lead to a fire disaster.
- After installation, before using the device (and after battery replacement), please use a small tool with a round end (such as ball-point pen) to press the "**RESET**" button to initialize the system

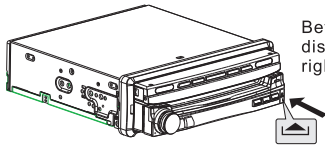
# Installation and technical specifications


## List of fittings

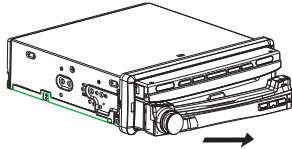
<p>①</p>	<p>②</p>	<p>③</p>	<p>④</p>	<p>⑤</p>	<p>⑥</p>	<p>⑦</p>	<p>⑧</p>	<p>⑨</p>
<p>Installation depending on different vehicle and its attached components to install</p>		<p>Select corresponding auto parts depend on different vehicle</p>					<p>Depend on the choice of models and features</p>	

## Installation example

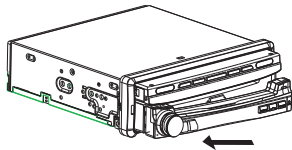
<p><b>1</b></p> <p>Put into the frame</p>	<p><b>3</b></p> <p>Install spring on the two sides</p>
<p><b>2</b></p> <p>If necessary bend these pins outwards for secure fixation</p>	<p><b>4</b></p> <p>Instrument panel      Front wall of cab</p> <p>Put the back rack screw on place ready the rubber, and fix securely the player</p> <p>For disassembly: Force the springs at two sides towards inner direction, and pull out the player.</p>



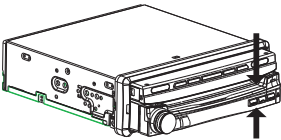
Before disassembly of the control panel, power disconnection is required. Then, press  key, and right side of the panel will pop up after a ticktack.



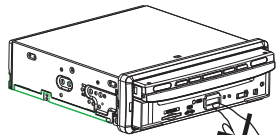
When the panel is popped up, hold the panel with hand and move rightwards to take the panel out.



Align the left hole in the panel with the buckle of the base firstly, and then push leftwards to have the buckle insert into the hole.



Afrer inserting the buckle of the base into the hole press the left position as shown in the figure with heavy force. Upon a ticktack, it is properly installed



Do not touck the connector on the player and the control panel with finger. This may cause poor contact. In case of dirty connector, clean it with a piece of clean and soft cloth.

Generally, do not disassemble the control panel for minimal chance to touch the connector.

#### • Overall

Power range.....DC: 10.8V15.8V  
(The device will automatically shut down when the value is not in this range)

Load.....4Ω

Maximum output.....50WX4

Tone Control.....±8dB (Bass 100Hz, Treble 10KHz)

Dimension.....about 192 X 178 X 100mm (L X W X H)

Fixing dimension.....about 169 X 182 X 103mm(L X W X H)

Weight.....2.5KG

#### • Video & audio play

Video format.....PAL / NTSC / AUTO

SNR.....65dB

Separation.....60dB(1kHz).

Distortion.....0.1%

#### • AM harmonization

Frequency range.....522-1620 (Europe / China);  
530-1710 (United States)  
522-1629 (Japan)

IF frequency.....450KHz

Practical sensitivity.....(- 20dB) 25dB

#### • FM harmonization

Tuning range.....87.5-108 (Europe / USA);  
87.5 - 107. 9 (United States)  
76.0-90.0 (Japan)

IF frequency .....10.7MHz

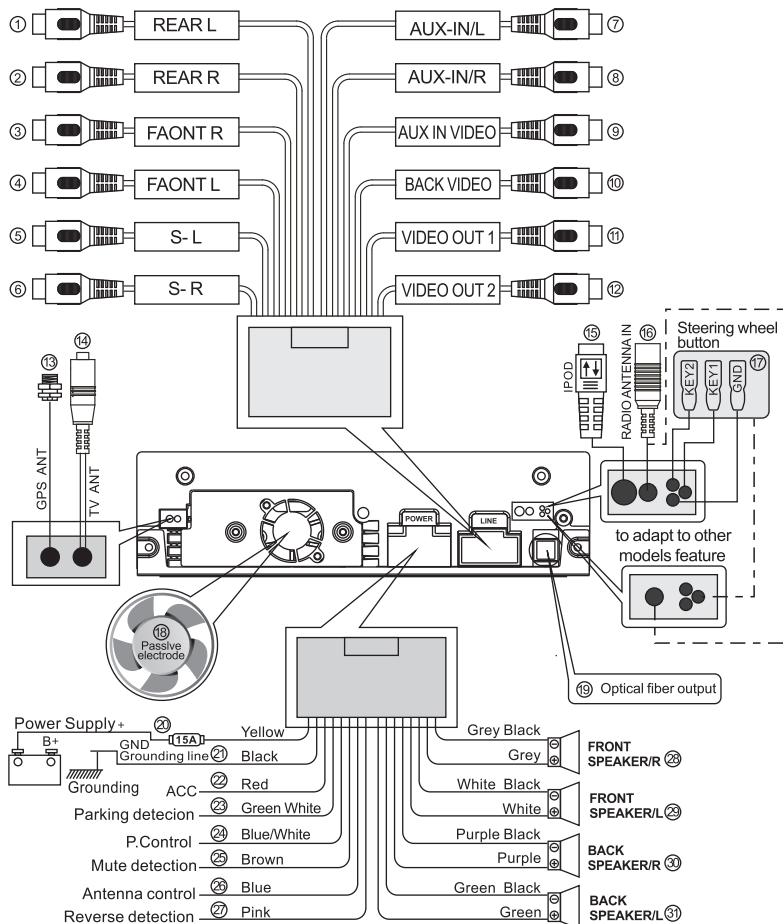
Practical sensitivity.....(-30dB)15dB

SNR.....60dB Stereo

Separation.....30dB (1KHz)

Frequency response.....30 - 15000Hz

## Connection guide



1. REAR L
2. REAR R
3. FAONT R
4. FAONT L
5. S-L
6. S-R
7. AUX-IN/L
8. AUX-IN/R
9. AUX IN VIDEO
10. BACK VIDEO
11. VIDEO OUT 1
12. VIDEO OUT 2
13. GPS ANT
14. TV ANT
15. IPOD (to adapt to other models feature)
16. RADIO ANTENNA IN
17. Steering wheel button  
(Please refer to page 34)
18. Fan
19. Optical fiber output
20. B+ (Power Supply)
21. GND (Grounding line)
22. Ignition testing
23. Parking detecion
24. P.Control
25. Mute detecion
26. Antenna control
27. Reverse detecion
28. FRONT SPEAKER/R
29. FRONT SPEAKER/L
30. BACK SPEAKER/R
31. BACK SPEAKER/L

### Notes:

1. For your safety, please link the line No.23 to the brake system.
2. Line No. 24/26 should be connected with the headrest screen or used for external amplifier or antenna control; if not needed, please keep line No.24/26 well to avoid grounding which may damage the device.
3. Line No. 26 has no function in this model.
4. The negative wire of the speaker is mixed black, reversed connection will affect the vocal phase and the overall low-frequency effect.

## Controller layout

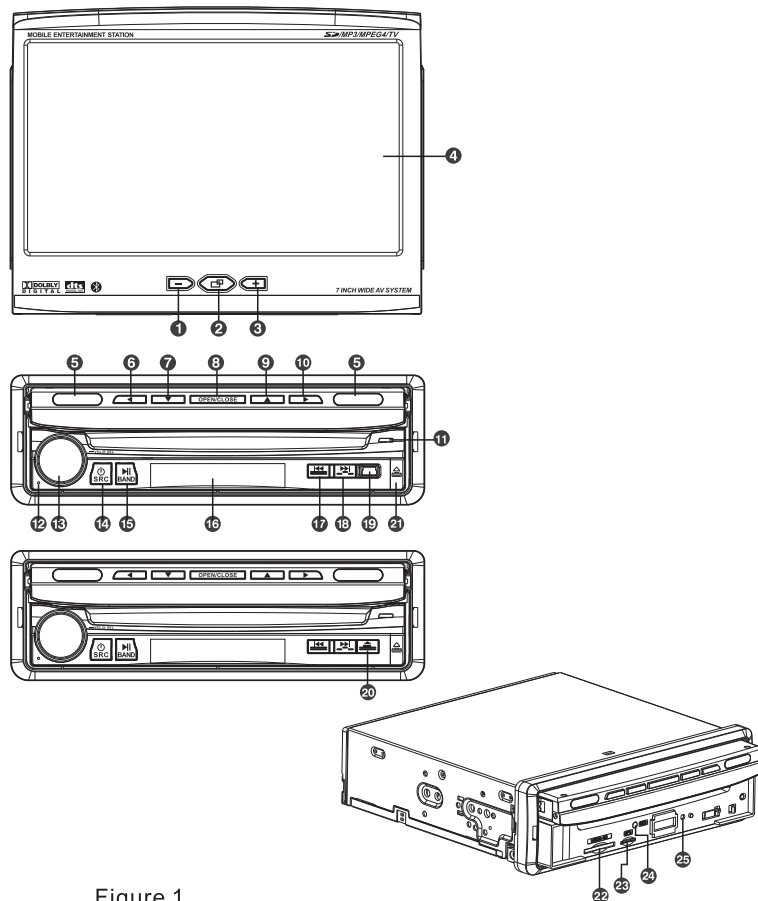


Figure 1

### ◎ Panel function key menu

1. Down
2. Image effect display/Enetr backstage key /GPS switchover menu on/off key
3. Up
4. TFT screen
5. Infrared earphone emitting window(Optional)
6. TFT panel upwards
7. TFT panel Downwards
8. TFT panel on/off key(long press to Eject for other model)
9. TFT panel left turn key
10. TFT panel right turn key
11. IR
12. MIC
13. Volume/EQ adjusting knob
14. Power switch/mode changing key
15. Playback pause/Band/Format
16. LCD display
17. previous/Reverse search
18. next/search platform
19. MEDIN USB jack
20. Eject
21. Remote controller panel
22. MEDIN SD card jack
23. GPS card jack
24. Reset
25. Anti-theft indicator

### Notes:

6、8、10、19、20、 to adapt to other models feature。

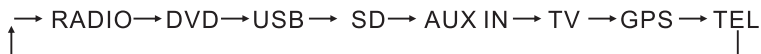
## Basic functions

### ◎ Get started

1. Power on/off: after connected with the power supply, press "⏻"SRC / POWER (Figure 1) to turn on the player; hold it for a while to turn it off.
2. Volume up/down: press the "+" button (Figure 1) to increase the volume (maximum 39); press the "-" button (Figure 1) to decrease it down (minimum 0, in this case the device will be muted).(When the volume of more than 24, the host will automatically fan)

Note: the initial volume is 20, if the volume level is higher than or equal to 25, after rebooting, the volume-level will return to 25. If the volume level is lower than 25, after rebooting, it will stay at current state.

3. ⏮ ⏭: In RADIO / DVD / TV / GPS.PIP mode, press "⏮" (Figure 1) to play the previous track/channel, hold it for fast reverse. Press "⏭" (Figure 1) to go to next track/channel, a long press for fast forward.
4. LOUD adjustment: when the player is working, press the LOUD button (Figure 1) to adjust sound effect, LOUD ON means this feature is enabled, the high / low pitch will be 8dB higher at the same time when the volume is small, LOUD OFF means this feature is disabled.
5. ⏸: In DVD / SD / USB / GPS.PIP mode, press "⏸" (Figure 1) to play/pause. In RADIO mode, a long press "⏸" (Figure 1) for automatic search and save channels, a short press for preview.
6. Mode switch: short press SRC button to change the working mode in following sequence.



Note: If no CD or USB / SD is loaded, press SRC button to change the working mode in following sequence.



7. Reset: press the RESET button (Figure 1) to restore the factory settings; or press the RESET button to return to normal in case of device failures, this operation will remove the memorized functions and time.

## Touch Operations on Main Function Interface

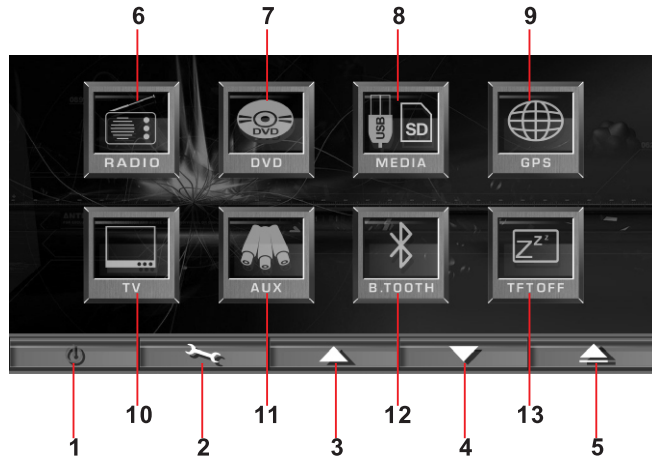


Figure 2

### ◎ Instructions

#### 1. Shut down

Tap the Power icon "⏻" (Figure 2) to shut down the player.

#### 2. Settings

Tap the settings icon "🔧" (Figure 2) to enter general setting interface. Please refer to page 24.

#### 3. TFT up / down

Tap "▲" icon (Figure 2) to slide the screen upward; after 8 consecutive clicks, you will see the top of the TFT screen.

In Figure 2, tap "▼" icon to slide the screen downward; after 8 consecutive clicks, you will see the bottom of the TFT screen.

#### 4. Eject

Tap "▲" to show the screen bottom (Figure 2), then the CD will be ejected, tap it again to go to the screen top.

#### 5. Working mode

Tap icon "6 ~ 13" (Figure 2) to enter each working mode.

### ◎ Main menu

- |             |             |             |
|-------------|-------------|-------------|
| 1. Power    | 2. Settings | 3. Up       |
| 4. Down     | 5. Eject    | 6. Radio    |
| 7. DVD      | 8. SD Card  | 9. GPS      |
| 10. TV      | 11. AUX     | 12. B.Tooth |
| 13. TFT OFF |             |             |

## Touch Operations on Radio Interface



Figure 3

### ◎ Radio mode menu

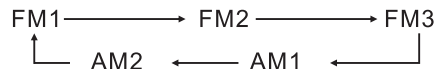
- |                           |                          |
|---------------------------|--------------------------|
| 1. Prestored station list | 2. Numer keys            |
| 3. Band switch            | 4. Automatic scanning    |
| 5. Up                     | / save / preview station |
| 7. Sound effect selection | 6. Down                  |
| 9. Eject                  | 8. Mute button           |
|                           | 10. Page key             |

### ◎ Radio interface

1. Quick View of prestored list Press the "P-LIST" button (Figure 3) for quick browsing the prestored stations, eight channels are shown in current band, select one to play directly.
2. Directly input a frequency to go to a station / PIP mode:
  - a. If you want to quickly listen to your favorite stations, press "KEY" button to call out the interface shown in Figure 3, tap "0 ~ 9" "." to enter, and then press "MHz" (FM) or "KHz" (AM) to confirm, or else, the player will return to current station after 5 seconds. In case of input error, tap "DEL" key to delete. If you enter a wrong frequency, the system will return to the current radio.
  - b. Picture in Picture (PIP) (Figure 4):  
Tap "PIP" in Figure 4 to show the PIP menu, click "DVD / TV / AUX / GPS" icon to enter each mode, and then the video/ audio begins to play; just tap "SOUND" to listen to radio, repeat it to return to PIP mode. Tap the "DVD / TV / AUX / GPS" icon to exit current PIP mode, double click in the middle of PIP window to shut it off.

### 3. Band switch

Click the "BAND" icon in Figure 3 (3) to change the band as follows.



### 4. SCA / AMS, store station / Favorite.

- Click on the "AMS/SCA" icon in Figure 3 (4) to listen to the current station.
- Press and hold this key for 2s to search the whole bands automatically, and store the station to number key "1 ~ 8", FM can store up to 24 radio stations, AM can store up to 16 radio stations, you can keep a total of 40 stations.
- A long press on the number keys "1 ~ 8" to store current station to corresponding number key, so that next time you can click on each number key to listen to the station you saved.

### 5. Manual scan with up / down (◀▶).

- As shown in Figure 3 (5,6), click on the / icon to reduce / increase the frequency in defined step.
- Press and hold these two keys for 2s to scan stations, the system will stop to play a station when it finds one.

### 6. Sound effect selection (SEL).

Click on the SEL icon (7 in Figure 3) to set up sound effect, for the details please refer to page 22.

### 7. Mute

Click the "MUTE" icon as shown in Figure 3(8) to mute the player, Click the "MUTE" icon again to unmute the player..

### 8. Eject

Click the "▲" icon as shown in Figure 3 to play the CD, then you can see the bottom of the TFT, the TFT will slide up when you insert the CD, after that the player will read and play the CD.

### 9. Click on the PAGE1/2 key in Figure 3 (10) to go to interface shown in Figure 4, where you can set up RDS/stereo switch/back stage off/screen slide (this function is optional).

#### a. RDS operation

TA: click on the TA icon (11 in Figure 4), when the PIP in the radio interface is closed, the TA is "ON" , after 2 seconds, the system will automatically search RDS radio. AF: AF is turned on by default. If the current signal is weak, the system will automatically search for other radio stations that broadcast the same show. PTY: click on the PTY icon (13 in Figure 4), 2 seconds later, the player will automatically search similar radio programs.

#### b. STEREO on/off

Click on the STEREO icon (14 in Figure 4) to shut off the stereo, then the STEREO is "OFF", repeat it to open the stereo. The stereo is open by default.

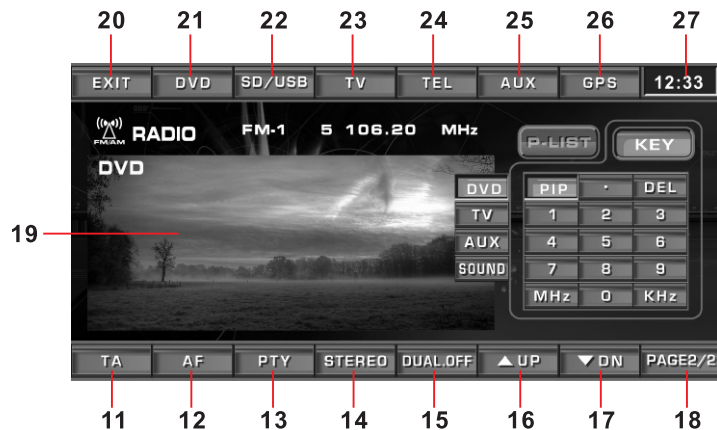


Figure 4

◎ **Radio mode menu**

- 11. TA ON/OFF
- 12. AF ON/OFF
- 13. PTY
- 14. Stereo switch
- 15. Dual off
- 16. Up
- 17. Down
- 18. Page key
- 19. PIP area
- 20. Exit
- 21. DVD mode
- 22. SD / USB mode
- 23. TV mode
- 24. Bluetooth mode
- 25. AUX Mode
- 26. Navigation mode
- 27. Clock window

**c. DUAL.OFF**

Tap the DUAL.OFF icon (15 in Figure 4) to shut off the back stage signals.

**d. TFT screen ▲ UP / ▼ DN**

Click on the ▲UP / ▼DN icon (16,17 in figure 4) to slide the TFT up / down, for the details please refer to screen operation in Figure 2.

10. Click on the PAGE2/2 icon (18 in Figure 4) to return to PAGE1/2 interface as shown in Figure 3.

11. Click on the icon 21 ~ 26 in Figure 4 to enter the corresponding mode.

12. Click on the EXIT icon (20 in Figure 4) to return to the main function interface as shown in Figure 3.

## DVD / SD / USB operations

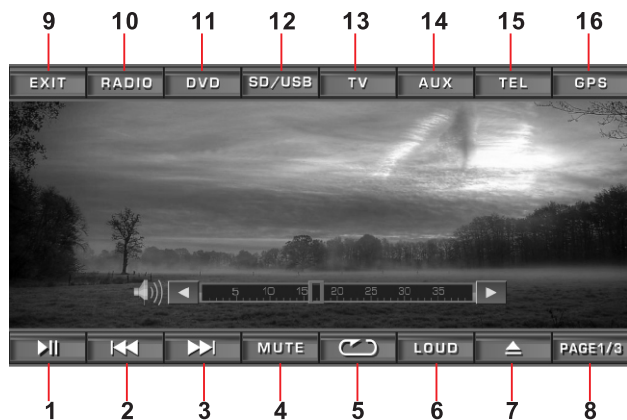


Figure 5

### ◎ DVD / USB / SD instructions

#### 1. PLAY / PAUSE

When you are enjoying CD / MP3 music or VCD / DVD movies, click icon (1 in Figure 5) to suspend the player, repeat it to resume the playing.

#### 2. Previous / next / fast forward / fast reverse ( ⏮ ⏭ )

Press, to search and play previous / next track if you want to change the music. Long press these icons to fast reverse/fast forward. X2, X4, X8, and X16 are available.

#### 3. Mute

Press the MUTE button (4 in Figure 5) to mute the system, and repeat it to resume.

4. View angle adjustment, for the details please refer to the touch screen operation of the main interface.

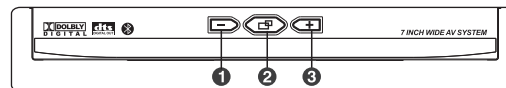
#### 5. Eject ( ▲ )

When you need to replace a CD, tap in Figure 5, then you can see the bottom of the TFT, replace the CD with another one, 2 seconds later, the screen will move up, then the CD will be played.

6. Tap the PAGE1/3 in Figure 5 to go to page 2, you can see the interface as Figure 6

### ◎ DVD / SD / USB menu

- |                        |                            |
|------------------------|----------------------------|
| 1. Play / Pause        | 2. Previous / fast reverse |
| 3. Next / fast forward | 4. Mute                    |
| 5. Repeat              | 6. LOUD                    |
| 7. Eject key           | 8. Page key                |
| 9. Exit                | 10. Radio mode             |
| 11. DVD mode           | 12. SD / USB mode          |
| 13. TV mode            | 14. AUX Mode               |
| 15. Bluetooth mode     | 16. Navigation mode        |



Panel keys map

(Note: in DVD mode, long press the 2 button to enter background state; and in radio mode, long press this button to exit the background mode)



17 18 19 20 21 22 23 24  
Figure 6



Figure 7

### ◎ DVD / SD / USB mode menu

17. CD info display      18. Up key      19. Down key      20. Audio selection      21. Image display  
22. Numer keypad      23. Direction key / back stage in      24. Page key

### 7. CD information display (DISP) switch

When you are watching DVD/VCD and other files, tap the DISP icon in figure 6 to view related information of current CD, such as CD type, duration etc.

### 8. Loop (↺ )

When you are watching a DVD with multiple titles and chapters, tap the ▲ UP icon to switch between chapter-repeat and title-repeat. In VCD / CD / MP3 / USB / SD mode, multi-click this button to switch between single-repeat and folder-repeat.

### 9. Loud on / off

The loud button is active by default, press ▼ DN to deactivate it, so that the output high/low frequency gain reduces by 9dB, click it again to reactivate it.

### 10. Icon 20-21 in Figure 6 are audio selection (SEL) keys and image display (DISPLAY) key, please refer to page 22 for more details.

### 11. Number keypad (NO.KEY) operation

Click on the NO.KEY icon in Figure 6 to show the keyboard: you can directly use these number keys to choose the items you like, if the item number is bigger than 9, use the "- / -" touch-key for help. ENT is invalid in this window.

## 12. Control keyboard (CONT.KEY) operation

- Click on the CONT.KEY icon in Figure 6 to call out the direction control and function control keyboard on the right as shown in figure 7
- When you are playing a DVD with multiple titles and chapters, tap "← → ↑ ↓" to control current files. In CD / MP3 / VCD / SD / USB mode, tap these five keys to control the files. Use the direction keys to select a track, and press OK to play it.
  - Background play in DVD/USB/SD mode, click on the "DUAL" button in Figure 7 to enter background state, in this case, you can still watch the RCA video programs, realizing dual-zone play. (listen to the radio in the front seat, watch DVD in the rear seat), press the (DUAL.OFF) key in the PAGE2 menu to exit this feature.
  - In DVD mode, tap the "GOTO" button in Figure 7 to show the number keypad that you can see in Figure 6, directly enter the title number / chapter number / time to quickly select the title / chapter / time. Use "-/--" to go up/down and tap "ENT" to confirm and play the selected content. In CD / MP3 / VCD / SD / USB mode, you can perform the same operations as well.
  - In Figure 7 click on "SETUP" to enter the DVD setup interface, you can choose the OSD language, TV SYSTEM standard, child lock and other related settings.

## 13. Tap PAGE2/3 to go to page 3 as shown in Figure 8.

- For operations of the "L / RN / P SUB-T MENU TITTLE PBC ZOOM" keys, etc., please refer to the DVD part of the remote operation.
- Click on the PAGE3/3 icon, the touch screen will switch to Figure 5.

## 14. Tap icon 9~16 "EXIT / RADIO / DVD / SD / USB / TV / AUX / TEL / GPS" to enter each corresponding mode

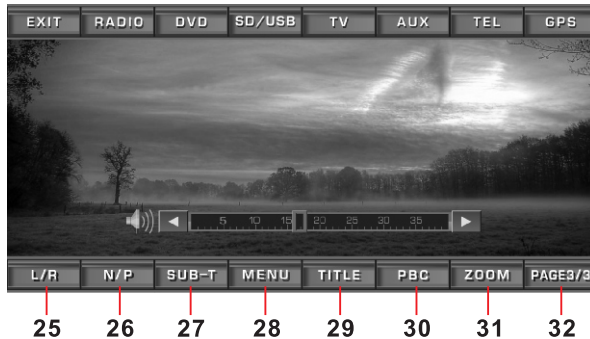


Figure 8

### ◎ DVD / SD / USB mode menu

- |                           |                            |
|---------------------------|----------------------------|
| 25. Channel switch button | 26. System standard switch |
| 27. Subtitle language     | 28. Menu                   |
| 29. Title                 | 30. PBC playback           |
| 31. Zoom                  | 32. Page up/down           |

## AUX operations

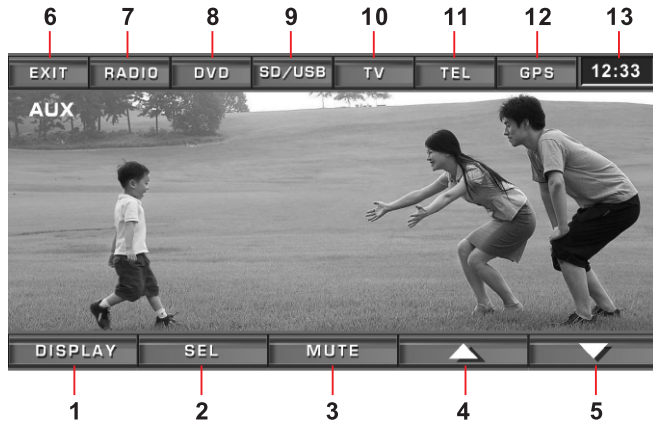


Figure 9

### ◎ AUX interface

1. Image display
2. Audio selection
3. Mute button
4. Up key
5. Down key
6. Exit
7. Radio mode
8. DVD mode
9. SD / USB mode
10. TV mode
11. Bluetooth mode
12. Navigation mode
13. Clock window

### ◎ AUX instructions

1. Audio selection (SEL) / image display (DISPLAY) settings: please refer to sound settings on page 22.
2. Click on the MUTE icon in Figure 9 to mute the system, do it again to resume.
3. In Figure 9, click on the icon 4 (▲) and the icon 5 (▼) to adjust the viewing angle, for specific operation please refer to the operation in the main function interface.
4. As shown in Figure 9, click (EXIT / RADIO / DVD / SD / USB / TV / TEL / GPS) icon to enter the corresponding mode

## TV interface operations

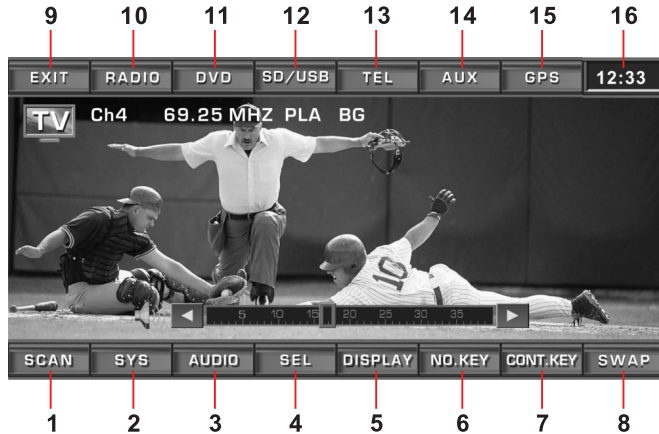


Figure 10

### ◎ TV function instructions

#### 1. Auto SCAN and radio station storage

Tap the SCAN icon in Figure 10 to search TV channels in all bands, and then save the channels in the number keys, you can call out these channels by the number keys in the remote. When the scanning is done, the system will play the first channel.

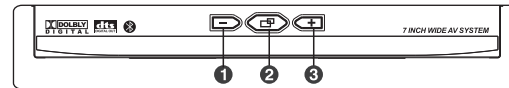
#### 2. TV color system / Audio format switch

- Click on the SYS icon (Figure 10) to switch to local TV color system, then the system shows PAL>SECAM>PALM> PALN>NTSC in turn.
- Click on the AUDIO icon (Figure 10) to switch to local audio format, then the system shows PALI>PALDK>PALBG>SECAMDK> SECAMBG in turn.

**3. Sound effect (as shown in Figure 10 icon 4: SEL key) / image display (as shown in Figure 10 icon 5: DISPLAY button) settings: please refer to page 22 for more details on sound settings.**

### ◎ TV function menu

1. Auto scan
2. System standard
3. Sound button
4. Audio selection
5. Image display
6. Numeric keypad
7. Control key for station switch / back stage in
8. Swap key
9. Exit
10. Radio mode
11. DVD mode
12. SD / USB mode
13. Bluetooth mode
14. AUX Mode
15. Navigation mode
16. Clock window



Panel keys map

(Note: in TV model, long press the ② button to enter background status; and in radio mode, long press this button to exit background mode)

#### 4. Numeric keypad control

Tap the NO.KEY to call out Figure 11, press the "-/--" key to fast select channels, then the CH4 icon in the upper left corner turns into CH\_, at this time enter number 1 to 9 and 0, so that the system selects a channel from CH1 ~ CH10 and starts to play it. Double click the "-/--" to change the CH4 icon to CH\_\_, then input 11 ~ 99, so that the system selects a channel from CH11 ~ CH99 and plays it. If you only enter number 1 to 9, and then press ENT key, you can also quickly broadcast channels from CH1 to CH99.

#### 5. Control keyboard

Press CONT.KEY to show Figure 12.

##### a. Channel selection and search

Click CH- to select TV channels downward.

Click CH+ to select TV channels upward.

Hold down these two icons for 2 seconds to scan down/up, the scanning will stop when a channel is found, then the channel will be played.

b. Tap UP / DN button to adjust the view angle, for more details, please refer to the operations of the main function interface.

c. Click on the "DUAL" button in Figure 12 to enter background radio mode, in this case, you can still watch the RCA video programs, realizing dual-zone play. (listen to the radio in the front seat, watch the DVD in the rear seat), press the (DUAL.OFF) key in the PAGE2 menu to exit this feature.



Figure 11



Figure 12

#### 6. Rapid return to the previous channel

Tap the SWAP icon (Figure 10) to quickly go back to last channel.

7. In Figure 10, tap icon 10 ~ 15 (EXIT / RADIO / DVD / SD / USB / TEL / AUX / GPS) to enter each corresponding mode.

## BLUETOOTH interface operations

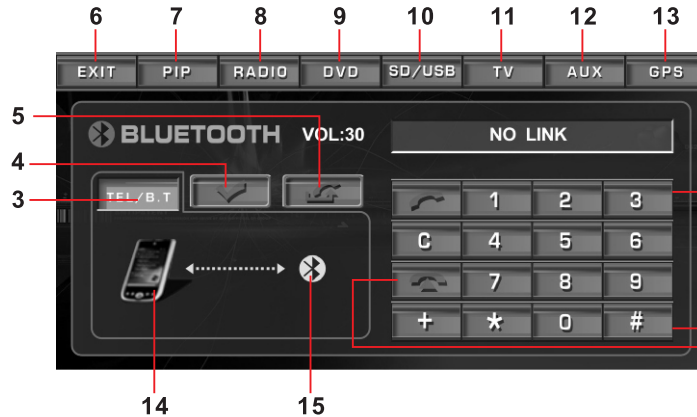


Figure 13

### ◎ BLUETOOTH menu

- |                                      |                        |
|--------------------------------------|------------------------|
| 1. Answer / dial-up button           | 2. Hang up keys        |
| 3. Bluetooth / handset switch button | 4. Received calls      |
| 5. Missed calls                      | 6. Exit                |
| 7. PIP                               | 8. Radio mode          |
| 9. DVD mode                          | 10. SD / USB mode      |
| 11. TV mode                          | 12. AUX Mode           |
| 13. Navigation mode                  | 14. Audio to phone     |
| 15. Bluetooth mode                   | 16. Audio to Bluetooth |

### ◎ BLUETOOTH operation manual

#### 1. Connect Bluetooth

Enable the Bluetooth of the phone and search for the DVD player, select the "CARKIT" icon that appears on the phone, and input the PIN code "0000", then connect the player again. Once connected, the player will display "LINK OK", so that you can answer a call via the Bluetooth.

#### 2. Call / redial / hung up

To make a call, please enter the Bluetooth interface, input the number to call, and tap icon 1 in Figure 13, the progress bar will turn from white to green, and keeps rolling, then you can speak when the call is answered. Tap icon 1 in Figure 13 if you want to redial, and tap icon 2 to end/reject a call.

#### 3. Phone / Bluetooth switch

During a call, tap icon 14 in Figure 13 to transfer the call to the mobile, then there will be no audio output in the player. Tap icon 15 to enable the audio output.

#### 4. Delete numbers

When you enter a wrong phone number, please tap the "C" key to delete (Figure 13)

## 5. Received calls.

- In Figure 13, tap icon 4 to show the received calls.
- Tap ▲, ▼ to display a received call, tap current number to make a call directly.

## 6. Missed calls

- Click on icon 5 in Figure 13 to view missed calls.
- Tap ▲, ▼ to display a missed call, tap current number to make a call directly



Figure 14



Figure 15

## 7. Picture-in-picture feature.

Click the PIP icon in Figure 13 to enter PIP interface (Figure 16). Tap DVD / TV / AUX / GPS key in the PIP menu to show and play the selected mode on the left of the Bluetooth interface, tap it again to exit PIP mode. Press SOUND key to allow the speaker to output Bluetooth audio, and the PIP audio will be blocked at the same time, press it again to switch back. Double-click the middle of the PIP window to shut it off.



Figure 16

## GPS interface operations

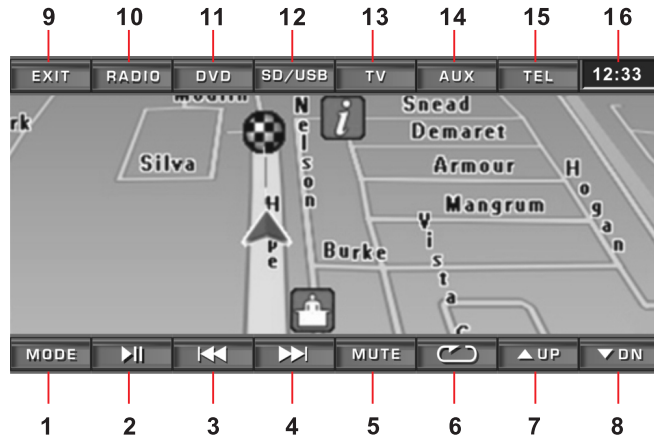
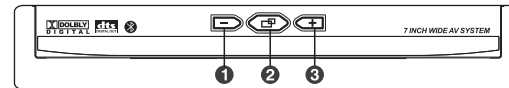


Figure 17

### ◎ GPS menu

- |                            |                        |
|----------------------------|------------------------|
| 1. Mode button             | 2. Play / Pause        |
| 3. Previous / fast reverse | 4. Next / fast forward |
| 5. Mute button             | 6. Repeat key          |
| 7. Up key                  | 8. Down key            |
| 9. Exit                    | 10. Radio mode         |
| 11. DVD mode               | 12. SD / USB mode      |
| 13. TV mode                | 14. AUX Mode           |
| 15. TEL mode               | 16. Clock window       |



Panel keys map

(Note: in GPS mode, short press ② to switch between GPS and PIP mode.)

### ◎ GPS mode instructions

1. In GPS mode, hold down the ② ( ) button for about two seconds to call out the interface as shown in Figure 16; if not touched, the key will disappear in about 3 seconds. You can not set up the touching settings here, but you can use it for navigation. At this point, you need to hold down the ② ( ) key shortly to return to the GPS, where you can change GPS settings.
2. In Figure 17, tap MUTE key to mute the system, repeat it to unmute the system.
3. Click on the ( ) icon in Figure 17 to enter the audio settings, please refer to Figure 22 for details.
4. Tap ▲UP/ ▼DN in Figure 17 to adjust view angle, for more details, please refer to Figure 1.
5. Tap icon 9 ~ 15 in Figure 17 to enter each corresponding mode



Figure 18



Figure 19

## 6. PIP on / off (off by default)


- a. In Figure 18, tap PIP.ON to switch to PIP.OFF, and then click AUX / SD / USB / DVD / TV / RADIO key in the MODE menu to show corresponding image and audio information, realizing the PIP function. You can hold down the PIP window and drag it to anywhere you like (see Figure 19). Tap AUX / SD / USB / DVD / TV / RADIO key in MODE menu to exit PIP function.
- b. If current video affects your map viewing, just click again PIP.OFF to switch to PIP.ON, then the video will shut off, but you can still enjoy the music in current mode.
- c. In PIP mode, press and hold the key to enter GPS mode, and the PIP interface will automatically turn off, repeat it to start the PIP window automatically.

## 7. Automatic navigation (GPS navigation can work with other models at the same time)

- a. When you watch a video in PIP mode, double-click the small window to enlarge it, and repeat it to return to the small window.
- b. When you watch a video in big screen, in case of GPS navigation voice guidance, the PIP window will automatically close, and the main volume will reduce at the same time, after the GPS voice is done, the system will return to the current state.
- c. When you enter the DVD / SD / USB / PIP mode, press the mode key again to enter full-screen status, the GPS navigation will not stop, when there is GPS voice guidance, the master volume will automatically reduce, after the guidance is done, the system will automatically return to the current volume.

## Audio selection (SEL) / image display (DISPLAY) / settings

### 1. Audio selection (SEL).



In TUNER / DVD / USB / SD / AUX / TV / GPS interface, tap (SEL) button, and then tap  button in Figure 20 to show LOUD-EQ-FADER-BALANCE -TREBLE-BASS in turn, as shown in Figure 20.

Note: Only when the LOUD and EQ are OFF, you can change the value of TREBLE and BASS.






Figure 20




#### a. LOUD on / off

Tap SEL in Figure 6 to call out the interface shown in Figure 20, tap the icon 2 () or icon 3 () to turn OFF and ON the loud feature. The loud function is on by default.




#### b. EQ regulation (Default tone curve setting)

In Figure 20, click on the  icon to enter EQ settings, then click the ,  to switch between POP / ROCK / CLASS / OFF. The EQ is OFF by default.




#### c. FADER regulation

Tap  in Figure 20 to enter FADER settings, click  to allow audio output only in the rear left / right speakers in turn, click  to allow audio output only in the front left / right speakers in turn.

#### d. BALANCE regulation

Tap  in Figure 20 to enter BALANCE settings, click  to allow audio output only in the front / rear left speakers in turn, click  to allow audio output only in the front / rear right speakers in turn.

#### e. TREBLE regulation

Tap  in Figure 20 to enter TREBLE settings, click  /  to reduce / increase the treble (this is possible when the LOUD and EQ are OFF).

#### f. BASS regulation

Tap  in Figure 20 to enter BASS settings, click  /  to reduce / increase the treble (this is possible when the LOUD and EQ are OFF).

## 2. Display settings

In TUNER / DVD / USB / SD / AUX / TV interface, first tap the DISPLAY button, then tap icon 1 (  ) in Figure 21 to show BRIGHTNESS CONTRAST HUE SATURATION SHARPNESS DISPLAY MODE settings in turn, as shown in Figure 21.






Figure 21

### a. Brightness regulation

When you click on the DISPLAY icon to show Figure 21, use  /  to adjust the brightness. The default value is 50. Minimum 0, maximum 100




### b. Contrast regulation

Tap icon 1  in Figure 21 to show contrast settings, use  /  to adjust the contrast. The default value is 50. Minimum 0, maximum 100.




### c. Hue regulation

Tap icon 1  in Figure 21 to show hue settings, use  /  to adjust the hue. The default value is 50. Minimum 0, maximum 100




### d. Saturation regulation

Tap icon 1  in Figure 21 to show saturation settings, use  /  to adjust the saturation. The default value is 50. Minimum 0, maximum 100.

### e. Sharpness regulation

Tap icon 1  in Figure 21 to show sharpness settings, use  /  to adjust the sharpness. The default value is 50. Minimum 0, maximum 100.

### f. Display mode settings

Tap icon 1  in Figure 21 to show display mode settings, use  /  to show STANDARD BLAND PEALIKE in turn, the default mode is STANDARD.

## General setup

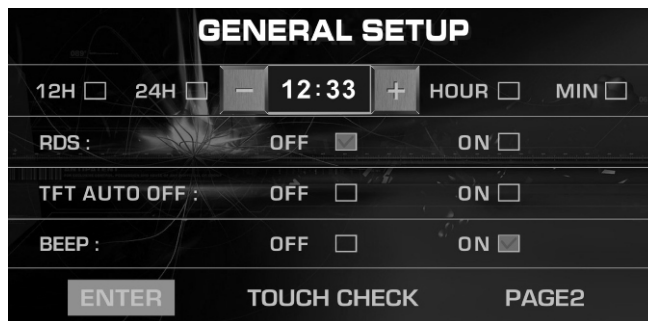


Figure 22

### 1. Clock settings

In Figure 22, tap 12H to enter 12-hour settings, tap 24H to enter 24-hour settings, use HOUR / MIN and + / - to adjust hour / minute.

### 2. RDS settings

Click OFF in Figure 22 to disable RDS, tap ON to enable it.

### 3. TFT automatic shutoff

Click OFF icon in Figure 22 to disable automatic shutoff, tap ON to enable it.

4. Tap OFF icon in Figure 22 to disable BEEP, press ON to turn it on.

5. When the above data is set, press ENTER to save.

6. Press TOUCH CHECK icon to enter the screen calibration settings.

7. In Figure 22, tap PAGE2 to enter the factory setting interface, at this time you will be asked to enter a password, and you have no right to set up, press ENTER icon to exit general setup.

## Braking interface operations

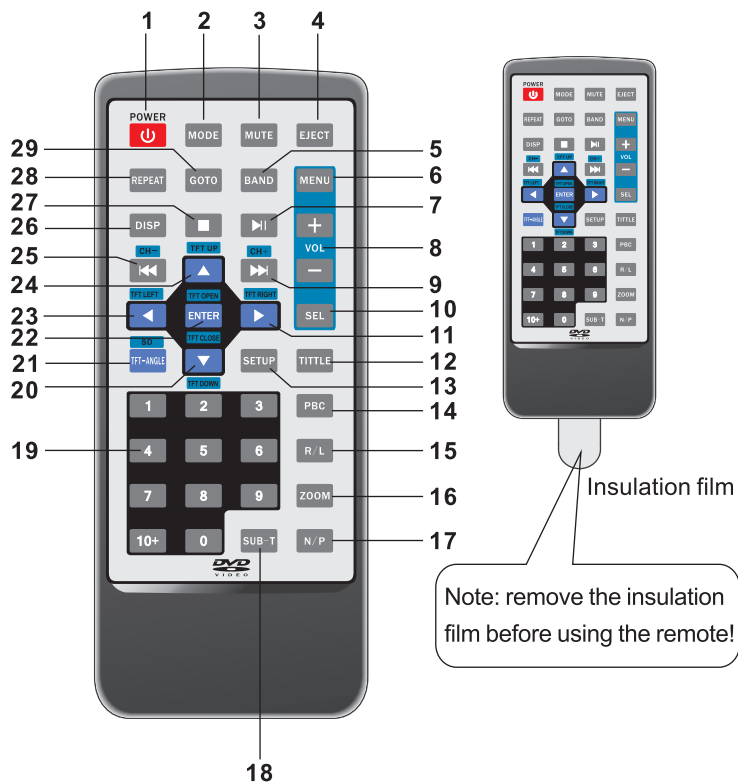


Figure 23

1. If there is brake (handbrake) cable connected to the player, when you want to watch the video in DVD / USB / SD / AUX / TV mode during driving, the system will warn you as Figure 23, in this case you can't watch the video, but you can listen to the music. Tap YES to play the video normally.
2. If the brake line is directly grounded (to the earth), the warning window won't show in any mode.
3. If the brake line is hanging, the warning window will appear in every mode.

Note: the touch function menu in Figure 23 is the same as the menu before you brake.

## Remote control



### ◎ Remote function menu

- |                                 |                           |
|---------------------------------|---------------------------|
| 1. Power                        | 16. Zoom                  |
| 2. Mode switch                  | 17. System                |
| 3. Mute button                  | 18. Select language       |
| 4. Eject5. Band                 | 19. Number keys           |
| / TV sound standard             | 20. Down key              |
| 6. Menu button                  | 21. TFT angle key         |
| 7. Play / Pause                 | 22. Enter key             |
| / radio scan, view / TV scan    | 23. Left key              |
| 8. Volume +/-                   | 24. Up key                |
| 9. Next / fast forward          | 25. Previous              |
| / Ch+10. Audio effects          | / fast reverse / CH-      |
| 11. Right key                   | 26. Display key           |
| 12. Title key                   | 27. Stop                  |
| 13. Menu settings               | 28. Repeat key            |
| 14. PBC playback                | 29. Track / time edit key |
| 15. Left / right channel switch |                           |

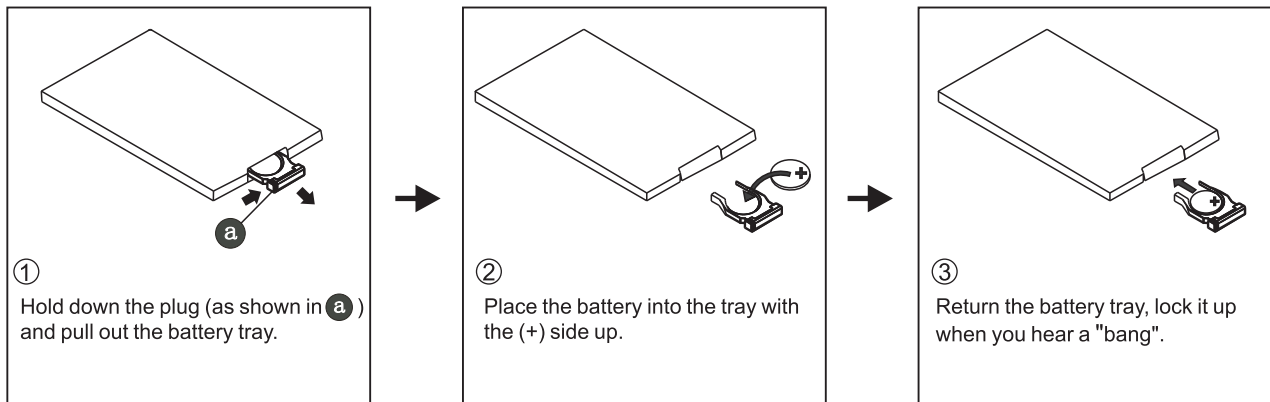
**Note:** in background mode, the remote can not control the front radio, the following buttons are invalid in DVD mode.

- |                             |                   |
|-----------------------------|-------------------|
| 1. Power                    | 8. Volume +/-     |
| 2. Mode switch              | 10. Audio effects |
| 3. Mute button              | 13. Menu settings |
| 4. Eject                    | 16. Zoom          |
| 5. Band / TV sound standard | 21. TFT angle key |

## ◎ Remote operations

### 1. Replace battery

Please replace with a new CR2025 battery when the remote signal is weak or the remote doesn't work, do not reverse the polarity.



### 2. RADIO mode

**POWER key:** click this button to turn on / off the system.

**MODE key:** click this key to switch between DVD-SD-AUX IN-TV-RADIO-GPS-TEL.

**MUTE key:** press this button to mute the system; do it again to unmute the system.

**EJECT key:** Press this key to eject the CD if there is one in the player; or you will see the bottom of the panel.

**BAND key:** key for band switch between FM1-FM2-FM3-AM1-AM2-FM1.

Operations of ►|| /AMS are similar with operations of ►||/AAS in other modes.

**VOL + / VOL-**: click VOL + to increase the volume by 1, the upper limit is 39; click VOL- to reduce the volume by 1, the lower limit is 0.

**Next key**: press this key to manually scan radio stations downward; press and hold this button for 2 seconds to automatically search radio stations downward, when a station is found, the system will stop to play the current station.

**SEL button**: audio selection key, tap it to show "VOL-LOUD-EQ-FADER-BALANCE-BASS-TREBLE" in turn (when the EQ and LOUD are OFF).

**Key 0-10 +**: tap any key to play the corresponding radio station.

**Previous key**: press this key to manually scan radio stations upward; press and hold this button for 2 seconds to automatically search radio stations upward, when a station is found, the system will stop to play the current station.

### Notes:

- |                 |              |                  |                  |  |                |
|-----------------|--------------|------------------|------------------|--|----------------|
| 3. MENU button  | 11. Right    | 12. TITTLE key   | 13. SETUP button | 14. PBC button                                 | 15. R/L button |
| 16. ZOOM button | 17. N/P keys | 18. SUB-T button | 20. Down key     | 22. ENTER key                                  | 23. Left key   |
| 24. Up key      | 26. DISP key | 27. ■STOP button | 28. REPEAT key   | 29. GOTO key. GOTO key is invalid in this mode |                |

### 3. DVD mode

**POWER button**: power switch, short press to power on / off.

**MODE button**: mode switch, tap it to show DVD-AUXIN-TV-RADIO-GPS-TEL in turn.

**MUTE button**: press this button to mute the system, repeat it to unmute the system.

**EJECT button**: press this button so that the CD will be ejected automatically, then you can place another CD.

**MENU button**: When playing VCD / DVD, press this button to enter the PBC mode, do it again to exit the PBC mode, then the system will play items in order; in DVD mode, the system will enter the menu to play an item.

**PLAY / PAUSE key**: play and pause; tap it to switch between play state and pause state.

**VOL + / VOL-:** click VOL + to increase the volume by 1, the upper limit is 39; click VOL- to reduce the volume by 1, the lower limit is 0.

**Next key:** press this key to play the next song; long press this button to fast forward.

**SEL button:** audio selection key, tap it to show "VOL-LOUD-EQ-FADER-BALANCE-BASS-TREBLE" in turn (when the EQ and LOUD are OFF).

**TITK key:** in DVD mode, tap this key to play titles.

**PBC button:** When playing VCD / DVD, press this button to enter the PBC mode, do it again to exit the PBC mode, then the system will play contents in order; in DVD mode, the system will enter the menu to play.

**R/L button:** When playing VCD / CD, press this key to switch between stereo - left channel - right channel mixed channel; when playing a DVD story, tap it to select the language output.

**ZOOM button:** Video zoom button; tap it to switch between " X 1 -X 2 -X 3 - off" to enlarge the window.

**SUB-T button:** when playing a DVD story, tap this key to select the OSD language.

**Key 0-10 +:** program keys; press a key to play corresponding program.

**Previous key:** Previous / fast reverse key, short press to go to last track; long press for fast forward.

**DISP button:** show the DVD, VCD, MP4 information.

**STOP button:** stop button; tap it to stop the current track, repeat it to remove all CD information.

**REPEAT key:** loop key; when playing a VCD / CD file, tap it to switch between single-repeat and repeat-off mode; when playing a DVD, tap it to switch between chapter-repeat and title-repeat mode.

**GOTO button:** key for track, time edition; when playing a VCD, tap this button to setup "track, time", press it again to exit edition.

**DVD settings:** press "SETUP" to set up DVD language, video, level, (universal password for child lock is "8888"), use▲ ▼ ← → to select sub item, and tap "ENT" to confirm, press "SETUP" to exit after the setup is done.

**Notes:**

1. When there are music, pictures, videos in CD-R, MP3 CDs, use the left/right key to open them, and tap "ENTER" to play; use the direction keys to select an item, and press "ENTER" or "▶||" button to play; when viewing a picture, use ▲ ▼ ← → to play in different angles.
2. In this mode, the BSND key is invalid.

**4. AUX IN mode**

**POWER button:** power switch, short press to power on / off.

**MODE button:** mode switch, tap it to show RADIO-DVD-AUXIN-TV-RADIO-GPSTEL in turn.

**MUTE button:** press this button to mute the system, repeat it to unmute the system.

**EJECT key:** press this button to eject the CD if there is one; or the key panel will slide to the bottom.

**VOL + / VOL-:** click VOL + to increase the volume by 1, the upper limit is 39; click VOL- to reduce the volume by 1, the lower limit is 0.

**SEL button:** audio selection key, tap it to show "VOL-LOUD-EQ-FADER-BALANCE-BASS-TREBLE" in turn (when the LOUD is OFF).

**Note:** The remaining keys are invalid in this mode.

**5. SD / USB card mode**

**POWER button:** power switch, short press to power on / off.

**MODE button:** mode switch, tap it to show SD/USB-DVD-AUXIN-TV-RADIO-GPS-TEL in turn.

**MUTE button:** press this button to mute the system, repeat it to unmute the system.

**EJECT key:** press this button to eject the CD automatically if there is one, then go to the current mode, or there is no response.

**PLAY / PAUSE key:** play and pause; tap to switch between play state and pause state.

**VOL + / VOL-:** click VOL + to increase the volume by 1, the upper limit is 39; click VOL- to reduce the volume by 1, the lower limit is 0.

**Next/CH+ button:** tap this key to play next track; press and hold it for 2 seconds to fast forward.

**SEL button:** sound effect selection key, tap it to show "VOL-LOUD-EQ-FADER-BALANCE-BASS-TREBLE" in turn (when the EQ and LOUD are OFF).

**Right key:** tap it to move the cursor rightward.

**SETUP button:** press this button to enter the DVD settings, tap to switch between stereo - left channel - right channel mixed channel.

**ZOOM button:** Video zoom button; tap it to switch between " X 1 - X 2 - X 3 - off," to enlarge.

**Key 0-10 +:** keys for track selection; press a key to play corresponding track.

**Down key:** tap it to move the cursor downward.

**ENT button:** press the key to play the selected track.

**Left key:** tap it to move the cursor leftward.

**Up key:** tap it to move the cursor upward.

**⏮ Key:** press the button to play previous track; long press it to fast reverse.

**STOP button:** stop button; tap it to stop the current track, repeat it to remove all CD information.

**REPEAT button:** loop button. Press it to switch between "single repeat - directory repeat - repeat off - single repeat".

## 6. TV mode

**POWER button:** power switch key. In TV mode, press "POWER" to shut off the player; press it again to enter TV mode.

**MODE button:** mode switch key. Tap it to switch between TV-RADIO-DVD-AUXIN-GPS-TEL in order.

**MUTE button:** press this button to mute the system, repeat it to unmute the system.

**EJECT key:** press this button to eject the CD automatically if there is one.

**▶▶ / CH + button:** click this button to play next channel; press and hold it for frequency fine-tuning.

**SEL button:** audio selection key, tap it to show "VOL-LOUD-EQ-FADER-BALANCE-BASS-TREBLE" in turn (when the EQ and LOUD are OFF).

**BAND button:** press the button to change TV sound system.

**N/P button:** press this key to change TV system.

**Key 0-10 +:** keys for channel selection. Tap a key for the microcomputer to automatically call out corresponding channel and play it.

**Note:** key "0 +" and key "0-9" work together for channel selection.

**⏪ / CH- button:** click this button to play previous channel; press and hold it for frequency fine-tuning.

**DISP button:** show DVD, VCD, MP4 information.

**AMS button:** press the key so that the system will scan and store the radio stations in the whole band.

**Note:** The remaining keys are invalid in this mode.

## Steering wheel Control Operation Interface

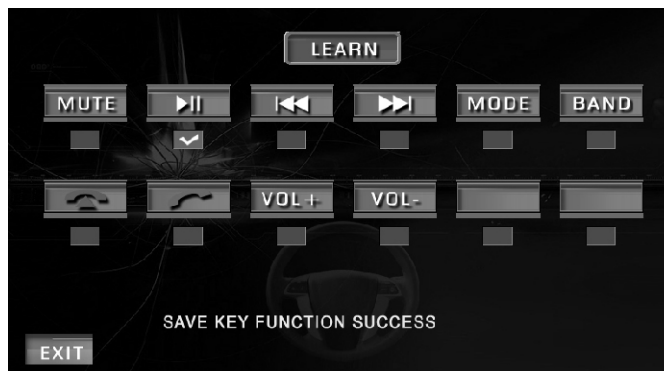
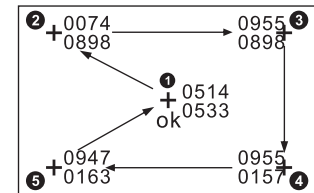


Figure 24

1. Click (LEARN) in Figure 24, press the function on car steering wheel and loosen it, then click corresponding function in Figure 24. The screen will display (SAVE KEY FUNCTION SUCCESS), and will tick the items you choose.
2. After learning steering wheel keys, can press (EXIT) to return to the interface as Figure 22.
3. Please connect the Unit steering wheel control line KEY1/KEY2/GND to the car steering wheel control line. It is not necessary to connect the three lines KEY1/KEY2/GND if there is no Steering wheel control function.

## Simple troubleshooting guide

Problems	Solutions
No power	Check if the power fuse is burnt out, replace it if necessary.
Messy code on the TFT screen or invalid keys	Press RESET button
No radio station found	Check whether the antenna is connected / installed, if not, connect / install it
Poor radio effect	Antenna length may not proper, check whether the antenna is fully extended or broken, if the antenna is broken, please replace it with a new one. Poor signals: bad antenna grounding, make sure that the antenna is properly grounded
No video or image	The video cable connecting the player and screen is not installed correctly
Bouncing video or image	Color system setting is not correct, set the color system to "PAL" or "NTSC" according to the TV system
Touch key positioning error	<p>Please refer to operations on page 22, the TFT screen displays TFT screen coordinates, use a tool with small round end to click the "+" crossing point on the "+" icon, the key position is normal if you can see "OK" below the "+" icon.</p> <p>Press and hold the central point for 2-4 seconds, and then tap the points in order shown as the diagram on the right.</p> <p>Note: all five points must be correctly aligned</p>



Note: if the above methods can not remove the problems, turn to the parts suppliers for help, please do not disassemble the device by yourself.