Welcome!

Thank you for purchasing our company multimedia player! To operate the unit correctly, please read the owner’s manual carefully before using the unit. Keep these instructions and retain this booklet for future reference.

FUNCTION MANUAL

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Function Description

1. 7 inch digital color TFT-LCD with touchscreen
2. LCD screen lighting mode, twelve colors lighting including: Green, Blue and Red etc. can be switched freely.
3. The second floor of touch screen (RGB) from the main interface and the bottom , and with Graphical User Interface.
4. Motoized slide down detachable front panel
6. Built-in AM / FM / RDS receiver system 30 stations memory (18 FM & 12 AM)
7. PAL / NTSC color system
8. Auto store & preset scan
9. On screen display operation menu
10. Mechanism/electronic anti-shock
11. LO/DX & ST/AM selector
12. Preset EQ (POP/ROCK/CLASSIC)
13. Repeat random/intro
14. Clock function
15. Mute control
16. Audio input & output, Video input & output
17. Sub-woofer output
18. Rear camera input, Parking video input
19. USB/SD/MMC interface
20. 45W*4 high power output
21. Built-in TV system (DVB-T Optional)
22. Built in Bluetooth 2.0 function
23. Built-in GPS Navigation system with CE 5.0 operation system
24. Support connected IPOD, touch screen control.
25. Dual-Zone Function (the front mainframe can play dvd, and the headrest monitor in back side can playing others such as FM, watching TV)
26. Steering wheel function
27. Universal steering wheel control: with steering wheel control keys connected DVD features, can connect to any car DVD steering wheel controller
Front Panel Operation

1. TOUCHSCREEN: Press the screen to turn the on. Enter any changes or settings needed by touching the screen where buttons or icons appear.
2. MUTE/SEL: Press this button to switch off the audio during playback. Press again to restore the audio. Long press it into turn off, then press it again can turn on the TFT.
3. NAVI: a. Press the key for a short time to switch between current display and navigation (nameley, press the key to enter navigation, press the key for another time to exit navigation). b. Press the key for a long time to turn on/off voice interving play function of navigation under other states.
4. PWR/MOD: Long press it to Power switch on/off power key. Short press it to option changer model.
5. OPEN/Angle Adjust: Short press the key for ejecting/auctioning disc. Short press the key for display angle adjust.
6. VOLUME +/-: Increase/Decrease the volume in control status.
7. PLAY/PAUSE: Press once to cycle through playback or pause and in FM, AM, TV mode. it is searching function key.
8. SEEK (>>) and (<<): The functions of this button are identical to the Seek buttons on the faceplate. Refer to "Front Panel Controls" on page 5 for a description of these functions (Seek is button #9).
9. \ and \: Press it to adjust the TFT panel display angle.

Remote Control

1. POWER: Long press it to Power switch on/off power key. Short press it to option changer model.
2. TIME: Press once to turn on the time display and turn it again to turn off the display.
3. MENU: Enter primary interface of the system.
4. OPEN: Short press this key for ejecting/auctioning disc. Long press this key for display angle adjust.
5. TITLE/PBC: Press to return to title status during DVD Playback/ Switch on/off PBC menu.
6. 0-9: Input digits when selecting track/station and to select disc number in CDC mode.
7. DISPLAY: Press to display the playback status of the current disc.
8. SETUP: Access setup menu to setup the parameters in DVD mode.
9. L/R: Press to cycle switching audio channel output in DVD mode.
10. 10+: Press to add every time when incrementing digits.
11. UP/DOWN, LEFT/RIGHT: To select items in DVD setup status.
12. ENTER: To confirm the selection of settings.
13. MODE: Press to cycle selecting DVD, Radio, CDC, TV, AV, Bluetooth, iPod, GPS mode.
14. OSD: Press to display OSD menu, press again to cancel it.
15. MUTE: Press once to turn the sound off and press it again to restore the sound in any status. If long press it to EQ mode.
16. LCD ANGLE +/-: Press it to adjust the TFT panel display angle.
17. SEARCH: Search whole band/ TV channels in AM/FM/TV mode.
18. PREVIOUS: Press once to skip to previous track in DVD or CDC mode, or skip the previous station in FM, AM, or TV mode.
19. REPEAT: Press to repeat track, chapter, all disc or cancel repeat in DVD mode.

VOLUME +/-: Increase/Decrease the volume in control status.
FUNCTION: Press to access OSD MENU to adjust the TFT display playback status.
STOP: During the DVD/VCD/MP3/CD mode, press it will be stop.
FR/FF (>>) and (<<): Press to fast reverse/forward playback in 2-20 times speeds in playback status.
PALY/PAUSE: Press once to cycle through playback or pause and in FM, AM, TV mode, it is searching function key.
NEXT/PREV (>>) and (<<): The functions of this button are identical to the Seek buttons on the faceplate. Refer to "Front Panel Controls" on page 5 for a description of these functions (Seek is button #9).

Main Interface Introduction

1. Radio mode touch button.
2. DVD touch button (when disc inside then the button can be effect).
3. USB/SD touch button (when DVD/USB/SD card insert then the button can be effect).
4. GPS touch button (when GPS connected then the button can be normal used).
5. Power on/off touch button, touch once will power off.
6. TV receiver touch button.
7. User general setup touch button, please do not setup inner parameter so that its will affect the using effect.
8. AUX Output touch button.
9. User normal setup touch button, which mainly used for setting image and sound effect.
10. Screen slide up touch button.
11. Bluetooth function touch button, when Bluetooth function available for the unit then the button can be normal used.
12. Screen slide down touch button.
13. CDC/DVD function touch button, when CDC connected then the button can be used.
14. Eject touch button, insert or eject disc when DVD playing.
15. IPOD button, insert or eject disc when IPOD playing.
Click **Setting** icon on the Main Menu can enter the system setting.

1. **Video Setting** (Diagram 2)
   - Click **Video Setting** icon on the Setting interface can enter the Video setting interface, then can adjust Contract, Brightness, Sharpness, Hue, Saturation, and also can click **Default** icon return back into the system default of factory preset, or click **Exit** icon return back into the full-screen playback status, or click **Return** icon return back to the previous menu interface.

2. **Audio Setting** (Diagram 3)
   - Click **Audio Setting** icon on the Setting interface can enter the Audio setting interface, then can adjust EQ, reble, Bass, Surround, Loud, and also can click **Default** icon return back into the system default of factory preset, or click **Exit** icon return back into the full-screen playback status, or click **Return** icon return back to the previous menu interface.

3. **Time Setting** (Diagram 4)
   - Click **Time Setting** icon on the Setting interface can enter the Time setting interface, then can adjust EQ, reble, Bass, Surround, Loud, and also can click **Exit** icon return back into the full-screen playback status, or click **Return** icon return back to the previous menu interface.

4. **System Setting** (Diagram 5)
   - Click **System Setting** icon on the Setting interface can enter the Audio setting interface, then can adjust Music Length, Rear Camera, Rear Camera Mirror, Beep, Touch Check (Touchscreen sensitivity adjustment), and also can click **Exit** icon return back into the full-screen playback status, or click **Return** icon return back to the previous menu interface.

5. **Zone Setting** (Diagram 6)
   - Click **Zone Setting** icon on the Setting interface can enter the Audio setting interface, then can adjust Zone, Rear Source, Audio Source, NAVI, NAVI Background sound, and also can click **Exit** icon return back into the full-screen playback status, or click **Return** icon return back to the previous menu interface.

Click **Rear Source** icon on the Setting interface, then click ▲ or ▼ icon to select rear source: DVD, Radio, TV etc. Zone divided single-zone and dual-zone. If you select dual-zone can enter PIP function, and can be realized before and after the station video/audio separation.

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### PIP Operation (Optional)

**ZONE Setting**
- Click **Setting** icon into setting interface, then click **Zone Setting** icon into Zone Setting.
- Change Zone function to Multiple zone.
- Then change Rear Source function to TV, DVD, iPod, CDC or AUX.

### Stored Radio Station

**Radio Screen:**
- Click **Radio** icon on the Main Menu can enter the Radio function.
  - The machine Radio function has 5 bands: FM1, FM2, FM3, AM1, AM2, each band can be stored six radio stations, total 30 stations.
  - Radio operation:
    1. **FM:** Press the Band icon can be switch between FM1, FM2, FM3.
    2. **AM:** Press the Band icon can be switch between AM1, AM2.
    3. **Search Radio:** Click ► or ◄ icon can be automatically search the radio band, and will be auto save the searched band, then return to the first radio stations.
    4. **Select station:** Click ◄ or ► icon to adjust, when indicates the corresponding frequencies then will be play.
    5. **Fine-tuning function:** Click ◄ and ► icon, up or down automatically search for the best radio frequency when the current, so to receive the best results.

2.5: Click Area ① can control Dual-Zone play, enter PIP function.
Create Bluetooth Bond:

1. Power on and touch BLUETOOTH on the screen.
2. Use your mobile phone to turn on the Bluetooth. Search the Bluetooth device.
3. The device list such as CAB-KEY will display on your mobile phone after something successfully.
4. OK LINK will display on the unit after bonding successfully.
5. Bluetooth Music Operating:
   - Click Music icon enter the Bluetooth music display.

Create Double Zone play:

1. When you pairing OK, Click Main Menu button.
2. Click Area ① can control Dual-Zone play, enter "PIP" function.

Bluetooth Operating:

A. Bluetooth Music Operating:
   - Click Music icon return to MAIN MENU.

B. Bluetooth Operating:
   - Click Bluetooth icon on the Main Menu.
   - Enter Bluetooth mode.
   - Turn on the other Bluetooth mode.

Pip Operation:

1. Touch PLAY button to enter PIP mode.
2. Touch < or > button to upward select the track.
3. Touch >> or << button to downward select the track.
4. Press STOP once to stop playback.
5. Click Area ① can control Dual-Zone play, enter "PIP" function.

RDS Radio Channels:

1. Press this button to choose radio channels' names. pls refer to details in manual.
2. Press P.TV when P.TV is on. it means there is strong RDS signals output.
3. Press I.A. when I.A. is on, it means the unit is automatically track RDS radio channels.
DVD Operation

DVD Video Playback Screen
To enter the DVD Video Playback menu, either press the POWER/SOURCE button repeatedly until the correct screen is displayed, or insert a DVD disc. If DVD mode is already selected, playback will begin automatically when you insert a disc.

DVD Title/Chapter/Time Selection Screen
The purpose of this screen is to allow you to choose the specific Title, Chapter or Time you wish to play back from the DVD disc. It opens from the DVD Video Playback screen in either the Title, Chapter or Time mode, depending on which icon you pressed in the DVD Video Playback screen.

DVD System Setting:
Click Setup button on the Remote can enter DVD System Setting
Remark: Password is “3308” in DVD System, only password is Correct, then can set level, but need disc support to be effective.

Analog TV Operation (Optional)

To select the Analog TV as the source, press the POWER/MOD button until the Analog TV screen is displayed. The current Source is displayed in the upper left corner of the screen. This page describes various aspects of the Analog TV Source screen. Other Source screens are described on subsequent pages.

1. GH-/CH+ click CH- or CH+ cion to adjust, when indicates the corresponding frequencies then will be play.
2. Click Color cion to select color system : NTSC, PAL, SECAM
3. Click Sound cion to select sound system : MN, H, DK, BG, L
4. Click Search icon can be automatically search the TV band, and will be automatically save the searched band, then choose the band to play.
5. Click Fine- or Fine+ cion, up or down automatically search for the best radio frequency when the current, so to receive the best results.
ISDB-T Operation (Optional)

Click TV icon on the DVD Main Menu can enter ISDB-T:
1. Click Menu icon can enter the menu of TV function
2. Click Return icon can enter TV and setting menu
3. Click TV icon can enter TV program play, click Setting icon can enter setting functions, and then move the cursor to select the goal menu by icon, and finally click Enter to confirm or enter the next level menu, or click Return icon return the superior menu.
4. TV Guide: means that the Electronic Program Guide (EPG)
5. Program Detail: means that the program content introduction
6. OSD language: English, Japanese, Portugues, Espanol

DVB-T Operation (Optional)

When switch to DVB-T mode for the first time after purchasing, press Menu touch key, the screen display country and search Mode, after you can select one search mode immediately performs Channel Search.

Please wait for finishing the Channel Search. If you want to stop the channel Search, press the OK button. If the Channel is stopped or finished, 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 OK button and try to reset the search operation again if necessary.

When completing Channel Search, the channel automatic save to changes. You can easily set up using simple organization and options and watch the broadcasting after completing the set-up procedure.

DVB-T operation functions:
First. Enter the system
After the power system into the DVB working condition. If the database is not television programs into the system interface

Second. Adjust the volume and mute
1. When the DVB system playing in full screen, press [FAV +/-] button to adjust volume; and the screen will show the articles of volume 0-10 level

Third. Switch TV or Radio programs
when programs playing in full-screen, press [TV/RADIO] key to switch TV or Radio programs.

Fourth. Switch TV/Radio program
1. When programs playing in full-screen, press [UP/DOWN] key to switch the previous TV or Radio program (Or the next TV or Radio program);
2. When programs playing in full-screen, press [ENTER] key to enter the list of programs quickly, then press [LEFT/RIGHT] key to select classification of the programs from the pop-up list of programs, press [UP/DOWN] key move up or down to choose the needed program yourself, press [ENTER] key to confirm the choiced programs, press [RETURN] key from the menu;
DVB-T Operation (Optional)

**Tenth.** Operate system of the main menu

Open the platform, if want to set up information of digital television, you need to enter the system of Digital TV, press [MENU] button into the main menu, such as figure:

In the state of the main menu, press UP/DOWN button to select Digital TV, then press ENTER button once into the Digital TV menu, such as figure:

Installation option is the realization of the search television or broadcast programs, including:

1. Search for programs by region;
2. Manual search programs;
3. Auto scan the programs.

In the Digital TV menu, press UP/DOWN to select Installation then press ENTER key, prompt enter the password “0000”, through the remote control number keys 0-9 input, after the correct password to enter the Installation Menu, such as figure

**Auto Search:**

Arbitrary frequency band search programs.

1. In the state of Installation menu, press UP/DOWN button to move the cursor up and down to select Auto Search, and then press ENTER once to enter the interface of Auto Search, such as figure.
2. When automatic searching, you can set:
   - (1) Start Freq (KHz) (initial frequency): set the initial scanning frequency, use the 0-9 number to change;
   - (2) End Freq (KHz) (the end of the frequency): set the end scanning frequency, use the 0-9 number to change;
   - (3) BandWidth: set transmission bandwidth of the current scanning frequency, you can press LEFT/RIGHT button to select the bandwidth, can be set to 6MHz, 7MHz, 8MHz, the default bandwidth is 6MHz;
3. After set up the scan parameters, press ENTER button on the remote, then enter the interface of scan.
4. When the search and search for any program is completed, the system automatically from the search programs, preservation of the program information search and return to [Menu] to Installation and small screen in the lower right corner to begin the search program.

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GPS Navigation Operation (Optional)

**Software Request:**

- Operating System VER: wince.net 5.0 CORE
- COMPORT=COM2 BAUDRATE=19200
- Physical Resolution: 800*480 RGB

**Software Install:**

1. Plug the navigation software SD card, at the control interface as follow:
2. Click "icon, system enter the system setting interface, as follow:
3. Select navigation setting "icon, enter as follow:
4. Click "icon, enter as follow:
5. Choose the right path of the navigator(suffix:".EXE").
6. Accord to navigation software store path (here can multi-select “operate automatically navigation software when start”), select navigation software, click "@" and exit, back to control interface, as follow:
7. First click icon, then click Navigation icon can enter the navigation.
### Circuit Connection

**AV INPUT/OUTPUT**

- **Y-OUT**: Yellow
- **RL-OUT**: Red
- **BLK-OUT**: Black
- **WHT-OUT**: White
- **PWR**: Power
- **GND**: Ground
- **FRONT**: Front Speakers
- **REAR**: Rear Speakers
- **SUB**: Subwoofer

**Speaker Cable**

- **ACC**: (Red)
- **POWER**: +12V (Yellow)
- **ATN**: +12V-OUT (Blue)
- **BRAKE**: GND (Orange)
- **LED**: (Pink)
- **AMP-ACC**: (Blue-White)

### Precautions

This unit can play the following discs only:

<table>
<thead>
<tr>
<th>Type of disc</th>
<th>Label on the disc</th>
<th>Recorded ateral</th>
<th>Size of disc</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DVD</strong></td>
<td>![DVD Video]</td>
<td>Video and Audio</td>
<td>12cm/8cm</td>
</tr>
<tr>
<td><strong>VCD</strong></td>
<td>![VCD Video]</td>
<td>Video and Audio</td>
<td>12cm/8cm</td>
</tr>
<tr>
<td><strong>MP3 / WMA</strong></td>
<td>![MP3]</td>
<td>Audio</td>
<td>12cm/8cm</td>
</tr>
<tr>
<td><strong>MPEG 4 / DIVX</strong></td>
<td>![MPEG 4]</td>
<td>Video and Audio</td>
<td>12cm/8cm</td>
</tr>
<tr>
<td><strong>CD</strong></td>
<td></td>
<td>Audio</td>
<td>12cm/8cm</td>
</tr>
</tbody>
</table>

**Note**: The unit is compatible with DVD/MPEG4/VCD1.0/2.0/3.0 DVD/CD-RW/CD-R/PICTURE-CD version disc. The manual conforms to DVD/MPEG4/VCD/MP3 and CD. If no DVD/VCD or MP3 on some models you should ignore. While enjoying DVD/MPEG4/VCD/MP3 and CD, the display will automatically identify the discs and indicate the corresponding words.

- Do not attempt to modify the unit, modifying the unit may cause an accident.
- Stop the vehicle before carrying out any operation that could interfere with your driving.
- Do not work in extremely high or low temperature inside the vehicle; the temperature is between +60°C and -20°C before turning your unit on.
- To enjoy optimum sound and images while playing:
  - Handle the disc by its edge to keep the disc clean, and do not touch the surface.
  - Do not use your CDs with paste residue or ink attached.
  - Do not use CDs with labels or stickers attached, which may leave a sticky residue while beginning to peel off.
  - Clean the discs with an optional cleaning cloth. Wipe each disc from center out.

* This feature is optional. Please refer to unit. Under compressed motion pictures (DIVX/MPEG4), file names under extension AVI can be played back.
**Specification**

**General**
- Power Requirements: 11.5-14.5V
- Load Impedance: 4Ω
- Max. Power Output: 45W × 4
- Tone Controls: +8dB (Bass 100Hz, Treble 10KHz)
- Mounting Dimensions: Approx. 178×100×183mm (dxwxh)
- Weight: Approx. 3.20kg

**DVD Deck Section**
- Video System: AUTO / PAL / NTSC
- Mounting Angle: 0° to +/−30°

**Video Section**
- Video System: 16:9 Letter Box and 16:9 Pan Scan
- Video Output Level: 1.0Vp-p 75 ohms
- Horizontal Resolution: 500

**Audio Section**
- Maximum Output Level: 2Vrms (±3dB)
- Frequency Response: 20 to 20KHz
- Signal-to-noise Ratio: 85 dB
- Separation: 80 dB

**AM Tuner Section**
- Frequency Range: 522-1620 (Europe/China), 87.5-107.9 (U.S.A)
- IF Range: 450MHz
- Usable Sensitivity (-20 dB): 25 dB

**FM Tuner Section**
- Tuning Range: 87.5-108 (Europe/China), 87.5-107.9 (U.S.A)
- IF Range: 10.7MHz
- Usable Sensitivity (-30 dB): 15dB
- Signal-to-noise-Ratio: 60 dB
- Stereo Separation: 30 dB (1KHz)

**Simple Troubleshooting Guide**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause/Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power</td>
<td>Check and make sure whether the fuse is blown, replace with the proper value if necessary.</td>
</tr>
<tr>
<td>Some errors occur in the LCD or no function when pressing the button.</td>
<td>Press the RESET button.</td>
</tr>
<tr>
<td>Unable to receive stations.</td>
<td>Check and make sure whether the antenna is inserted or inserted. The antenna is properly connected if so, insert the antenna or connect it properly.</td>
</tr>
<tr>
<td>Poor effect on receiving a station.</td>
<td>The antenna may not be the proper length. Make sure the antenna is fully extended or broken. If broken, replace the antenna with a new one. The broadcasting signal is too weak. The antenna is poorly grounded, check and make sure the antenna is properly grounded at its mounting location.</td>
</tr>
<tr>
<td>ACDs cannot be loaded.</td>
<td>A CDs is loaded in the mechanism.</td>
</tr>
<tr>
<td>The stereo indicator “○” is flashing.</td>
<td>Tune in the frequency accurately. The broadcasting signal is too weak. (Set to the MONO mode) (page 12).</td>
</tr>
<tr>
<td>No picture.</td>
<td>The Video line from main unit to the TV is not connected properly.</td>
</tr>
<tr>
<td>The picture noise appears.</td>
<td>Improper setting of the color system set the color system to “PAL” or “NTSC” according to the connected television. The CD is dirty or damaged.</td>
</tr>
</tbody>
</table>

**Touchscreen Sensitivity Adjustment**

On Radio mode interface, press fastly number 8 three times on the Remote, then enter touchscreen adjustment interface. When this screen is open, press the markings in the corners and center of the screen in the order they are marked: 1st > 2nd > 3rd > 4th > 5th