User’s Manual

Car Multimedia Entertainment

Please read the manual carefully before installing

English ▶️
Before using

Need of installation
Installation program
Attention
Connect
Installation
Remote controller
Single zone play operation
Operation
Main page, DVD menu operation
TV, RADIO I menu operation
RADIO II, AV menu operation
Sound effect, picture effect mode menu operation
Parameter setup, DVD setup menu operation
Double zone play operation
Navigation operation
Malfunction & solution
Technical specification
Remark

Accessories

1 Cable bundle
2 Fastening screw
3 TV Antenna
4 Fastened by left/right trave
5 USB
6 User’s Manual
ATTENTION

1. In order to avoid short circuit, please take out the key from ignition switch and unload the battery negative electrode cable.
2. Connect all the input/output related cable.
3. Connect the loudspeaker cable bundle.
4. Connect cable bundle according to the order of ignition cable of grounded cable, battery cable and ACC.
5. Connect the connector of cable bundle to the related devices.
6. Put completely the devices in automobile.
7. Reconnect the battery negative electrode cable.
8. Press the 'RESET' button on the bottom of the panel.

△ Alarm:
• Stop to connect the ignition cable (red cable) and battery cable (yellow cable) to motorcar chassis (ACC), it will bring short circuit or even start a fire disaster. Keep in mind to always connect these cables to power supply through fuse box.

General knowledge:
1. Thanks for your purchasing of this 2-Din TFT-LCD Monitor Player.
   Please read this instruction manual carefully before using and keep it for future references.
2. In winter, the LCD panel will be darker, because of the low temperature, but it will be return to the normal brightness soon.
3. In cold weather, there will have dew covered in the device after using, at this time it is forbidden to put in the disc, the disc have to be taken out, then dry it clean. If the disc still can not run normally, please contact with distributor directly.
4. The playable disc: CD, VCD, DVD, SVCD, DVD audio, MP3, MP4, DIVX, WMA, JPEG, H.264.

Precautions & Alarm
Precautions:
• The battery of the remote controller unit has an estimated life span for five months. To ensure proper function, please replace the battery on timely.
• If there is no ACC position for ignition devices, please connect ignition cable with such power supply that turn on or cut off at any time by ignition key. If the ignition cable is always connected to endless power supply, the power will be released.
• If there is cover on controlling table, keep in mind that there is no collision with cover when closing or opening the panel.
• When the fuse is burned, at first make sure that there is no connection which will cause short circuit, then take place of the burned fuse with a new one (must be with same specification as before).
• Please cover the bare unbound cable with ethane installation. Stop to unload the safety-cover of cable terminal to avoid causing short-circuit.
• Connect loudspeaker cable directly to corresponding terminal, this device will be broken and hardly to work normally if the electrode is of joint-use or be connected to motorcar metal parts.
• When there are only two back output terminal, forbid to mix-connect to front & back output terminal at the same time.
• The disc groove is easy to be covered with dust, please clean in time.
• The installation angle of this model is better to be below 30 degree.
• Please check whether the arrester light, indicator and windscreen wiper can work normally after installation finish. When this equipment do not operate normally, please press the 'RESET' button on the bottom of the panel.

Alarm:
• It's made up of many precision electronic elements, and any dismantlement or refit will make it damaged or broken. Please avoid contacting with the TFT-LCD panel when operating the unit.
• Keep in mind not to leave metal such as coin and other instrument in the device, then it will bring short-circuit.
• Do not use any chemical solvent cleaning agent or corrosive detergent when wiping the display.
• Cut off the power supply immediately when the device begin to release peculiar smell, and contact with distributor ASAP.
• Forbid to touch the LCD liquid when the LCD panel is broken.
• Put the panel into device well enough to avoid flying out when bumping.
• No putting the battery on the place where is hot.
• Put in and take out the battery according to the indication at the backside, and keep the battery far away from children.
If any output/input terminal hasn't been connected well, please wrap it with insulated material well to avoid the oxygenation (it will bring poor connection and effect the formal operation when touching the other metal).
Cable bundle Accessory 1
A-A anatomic picture and detailed connected picture.

Connect to front Left loudhailer

Connect to front Right loudhailer

Amplifier of TV antenna power supply, connect to TV Ant cable (12V/500mA)

Connect to radio auto-Ant cable (12V/500mA)

Mute cable, connect to telephone call or connect to the terminal of ground cable

Connect to ground cable

Battery cable (-12V)

\[ \text{Alert} \]
- If any cables (above photo mentioned) not connected well, please wrap it with insulated material well to avoid the mutual touch outside, and the bare cables outside will touch the other metal to bring short circuit.
- If you connect ignition system cable (red) and battery cable (yellow) to the chassis of the car (ground cable), it will bring short circuit or even fire disaster, keep in mind to connect the cables through fuse box.

Connect to rear left loudhailer

Connect to rear right loudhailer

Connect the outer amplifier cable to the amplifier controlling terminal (not the amplifier power-supply).

Connect to reversing lights. If don't connect to rear camera, please connect to ground cable.

Connect to manual brake cable, if you need to watch image while the car is running, please connect directly to ground cable (that is illegal in many countries).

Connect the lamp of dash board to operate clearly at night when the front light is open and enter soft mode automatically.

Installation

Picture One:

Way of installation and taking down for stator and fastening screw:
1. Fasten the stator well to the casing, then screw tightly.
2. Uninstall the fixed part and wrest the fixed screw.

Right stator screw (Accessory 2)

Note: the stations are different on the left and right side.

Picture Two:

Picture Three

Note: During stator installation, make sure that the screw must be special M5X8 specification, any longer screw will break the inner equipment.

2. Since the screw position are different in different cars, the worker should broach the stator on corresponding position to install.
**Interface of remote controller:**

1. **Power on/off.**
2. **Mute on/off.**
3. **Menu of DVD setup parameter.**
4. **Eject.**
5. **Number button:** In the radio or TV mode, press it to choose the ideal TV channels or radio frequencies which are saved; in the DVD mode, press it to choose music or chapters which are related to number.
6. **Band/AV mode shortcut key:** First press for Band, second for AV and switch again and again.
7. **TV/DVD shortcut key:** First press for DVD when power on, second for TV; press to switch again and again.

- **Repeat/TV system shift:** In DVD mode, press it to replay the ideal disc content (section, music or all content); in TV mode, can shift the TV system.
- **Image parameter adjust:** Enter brightness, contrast, color, tonality cooperate with "+", "-" key to adjust parameter.
- **Return/FM&AM shift:** In DVD mode, press it to return Menu of disc content; In Radio mode, press it to shift between FM and AM.
- **Volume- analog volume-.**

- **Return title/Re-choose:** In DVD mode, press it to menu of disc title; in navigation mode, press it to re-choose.
- **Prev/Next, FF,REW.** In DVD mode, press it to last music, next music, skip forward, skip backward, pause/play; in TV or Radio, press FF,REW to adjust frequency in radio mode.
- **Stop DVD play.**
- **Angle adjusting:** Press it to slide up/down the screen to meet user's different viewing requirements.
- **Track switch.**
Frame of buttons:

1. Microphone. (If the player has Bluetooth)
2. Remote signal receiving
3. Screen angle up/down. Press it long to adjust in succession, and a short press to adjust step by step.
4. +, - : volume, + simulate quantity (volume, loudness, alt, bourdon, front/back balance, left/right balance, brightness, colour, contrast, tone)
5. Back: In Navi mode, press it to "Exit or Turn off Navi". In other modes, press it to return to the former menu.
6. Power on/off: screen protection: press it for short time to enter screen protection mode (blank screen), press it for 2 seconds to enter power off mode.
7. Reset: press it to recover to the natural state when operate by mistake.
8. USB.

Main page:
Full touch screen operation:

1. DVD: DVD mode.
2. TV: TV mode.
4. Navi: Navigation mode. If the system has not been installed navigation system, the unit will display following picture as page 17.
5. AV: AV mode.
6. Dual: Dual zone play operation mode.
7. Preset: Parameter set mode.
8. Power off.
9. Press it for a long time to power on automatically.

DVD mode:
Full touch screen operation:

1. ◀last music/cursor upward: in DVD mode, press it to choose the last music or chapter when playing the music disc; press it to cursor shift up to last catalogue disc.
2. ▶next music/cursor downward: in DVD mode, press it to choose the next music or chapter when playing the music disc; press it to cursor down into catalogue disc.
3. ◀▶fast backward / cursor left-moving: skip backward the current playing program, the more times you press, the faster it skips backward, the quickest speed can be up to 100 times of the general speed, and the cursor will move left-forward when pressing this button when choose the ideal section want to play.
4. ▶▶fast forward / cursor right-moving: skip forward the current playing program, the more times you press, the faster it skips forward, the quickest speed can be up to 100 times of the general speed, and the cursor will move right-forward when pressing this button when choose the ideal section want to play.
5. ◀▶Play/pause: press it once to pause mode, press it second to play mode.
6. ◀▶: press it to disc out.
7. SEL: Enter sound effect mode.
8. PIC: Enter image mode.
10. Hide: press it and menu will hide and can be displayed when you press any button on screen.
11. Main: Back to main page.
12. Exit: Back to the former menu.
**TV mode:**

Full touch screen operation:

- Prev: Enter last channel.
- Next: Enter the next channel.
- Tune -: Press it to decrease frequency.
- Tune +: Press it to increase frequency.
- Auto: Search and save TV channel automatically. During searching, press any button to stop.
- Sel: Enter sound effect mode.

**Radio II mode:**

Full touch screen operation:

- Prev: Enter last channel.
- Next: Enter next channel.
- Tune -: Press any of button among P1 ~ P6 that need to be memoried, and then the channel will be memoried to corresponding station.
- Sel: Enter sound effect mode.
- Exit: Back to former menu.

**Radio I mode:**

Full touch screen operation:

- Prev: Last channel.
- Next: Next channel.
- Tune -: Press it to decrease frequency.
- Tune +: Press it to increase frequency.
- Auto: Search and save the radio channel automatically.
- Sel: Enter sound effect mode.

**AV mode:**

Full touch screen operation:

- Sel: Enter sound effect mode.
- Pic: Enter image mode.
- Main: Back to main page.
- Exit: Back to former menu.
**Sound effect mode:**

**Full touch screen operation:**

- **Pops:** Enter pop mode.
- **Clas:** Enter classical mode.
- **Flat:** Enter standard mode.
- **Jazz:** Enter jazz mode.
- **Rock:** Enter rock mode.
- **Custom:** Enter sound effect mode as before.
- **Loud:** Press the key, then press +/- key to adjust loudness.
- **Vol:** Press the key, then press +/- key to adjust volume.
- **Alt:** Press the key, then press +/- key to adjust alt.
- **Bourdon:** Press the key, then press +/- key to adjust bourdon.
- **Bal:** Press the key to switch between front and back balance, left and right balance, then press +/- key to adjust.
- **Exit:** Back to the former menu.

**Image mode:**

**Full touch screen operation:**

- **Norm:** Enter normal image.
- **Soft:** Enter soft image.
- **Dynam:** Enter dynamic image.
- **Custom:** Enter the custom mode as before.
- **Bri:** Press the key, then press +/- key to adjust brightness.
- **Cont:** Press the key, then press +/- key to adjust contrast.
- **Col:** Press the key, then press +/- key to adjust color.
- **Tint:** Press the key, then press +/- key to adjust tonality.
- **Exit:** Press it return to the former menu.

**Parameter setup mode:**

**Full touch screen operation:**

- **Sel:** Enter sound effect mode.
- **Buzzer:** Buzzer on/off.
- **Ext amp:** Turn on/off amplifier.
- **Cal:** If touch menu is not sensitive or there are much warp between finger-touch area and touch menu area, you should press it to correct. Please use penpoint or other soft material to touch crossed cursor on the screen for about two seconds and crossed cursor will move to four corners in time, then you should touch crossed cursor at each station as before.
- **Exit:** Back to the former menu.

**DVD setup mode:**

**Full touch screen operation:**

- **Rhoom:** Enter stochastic play mode.
- **Prog:** Press the selective item and operate as below:
  ① Choose desirable item by remote controller;
  ② Press 'Prog'.
- **Clr:** Clear item that have programmed and operate as below:
  ① Choose desirable item by remote controller;
  ② Press 'CLR'.
- **Stop:** DVD off.
- **Sup menu:** Show catalogue of disc.
- **Lang:** Switch disc language
- **Rpt:** In DVD mode, press this button to replay the ideal disc content (section, music or all content).
- **Exit:** Back former menu.
Dual zone play operation

Dual zone play operation and flow:

Full touch screen operation:

(picture 1)

1: In the main page (picture 1) mode, press 'DUAL' and enter rear zone menu (picture 2).

Full touch screen operation:

2: In the 'REAR' (Rear zone menu), choose desirable mode, press 'Exit' and enter 'Front zone' menu (Picture 3).

Dual zone play operation way and flow

3: In the front zone, choose desirable mode again, then operation of dual zone play is finished.
4: Press 'main page' at any time to end dual play.
5: The way of changing the content of front/back zone:
   ① Front zone: press 'EXIT' on the front zone and choose desirable mode again.
   ② Back zone: press 'main page' and operate 'Dual zone play' as before.

Instruction of navigation mode:

Attention: for the details navigation mode operation, please see the user's navigation instruction.

When the screen power on, there are three ways to enter navigation:
1. Press the 'NAVI' button on the screen to enter;
2. Press the 'NAVI' button on the main page to enter;
3. In front zone menu under dual zone play mode, press 'NAVI' button and enter navigation mode.

The unit has not been installed navigation System and it will display following picture.

(picture 3)
Navigation mode instruction

In the navigation mode, if user wants to exit or close navigation system, please press the ‘B’ button on the panel, after pressing the ‘B’ button, the unit will display following picture.

Full touch screen Operation:

In above picture, if the user chooses to press ‘close navigation image’, the navigation system will close, at the same time return to main page menu or front zone menu in the main page menu, then the navigation system still continue to work, only no screen display. In the main page menu or front zone menu, the user can choose other functions (DVD, TV, AV, RADIO), after choosing, the choosed function and the navigation function can work separately at the same time and don’t disturb each other and also dual play comes true.

When it keeps navigation mode, the dual play operation also can be true. The operation is as below:
1. Press your desirable mode (Band, DVD, AV, TV) button on the screen. At the same time, the image of navigation will disappear but still work.
2. When the sound reminder of navigation send out signals, the sound of other mode will be mute. After finishing the sound of navigation, the sound of other mode will appear.
3. If the user wants to see the navigation image, please press the ‘NAV’ button on the screen or ‘EXIT’ and back to main page or press ‘Navi’ on the front zone.

In above picture, if user chooses to press ‘exit navigation system’ button, the navigation system will stop work and exit navigation mode. At the same time return to former main page menu or front zone menu of double zone play. In the main page menu or front zone menu, the user can rechooses other functions (such as: DVD, TV, AV, RADIO).

In above picture, if user wants to cancel the operation, please press ‘CANCEL’ button.

Malfunction

The phenomenon which is thought as malfunction, in fact, it is result from tiny operation or wrong wiring. Before servicing demand, please examine it according to the table below.

- No power.
  - After making sure whether wire have or not short circuit, and then substitute fuse with the same rating value.

- Press the button down, and can not operate.
  - Press the reset button on the device.

- NO TV / video frequency image.
  - The device is not connected with parking brake detecting switch.
  - Parking brake is not braked well.
  - According to the connection drawing (page 4, 5, 6), and connected.
  - It dose not display TV/video frequency image when car is running for safety, after braked well, can display image.

- Screen is darker.
  - Machine is in a place with low temperature.
  - When power is on at the first time, if the display’s temperature is declined, due to the speciality of LCD screen, the screen can be darker. After waiting seconds of power on, it is recovered a natural lightness after the temperature recovery.

- When turn on lamp in the car, screen can not dim.
  - This device is set to dim light automatically.
  - Have not connected with illuminative wire (if set to dim light with hand operated).
  - Connected rightily.

- AM/FM radio gram can not be received well or have cacophony.
  - TV antenna is too near with car’s radiogram antenna.
  - Make the two antennas far as soon as possible.

- The remote device is unworkable.
  - Aim at receiving window to use the remote device.
  - Substitue the same type battery.

- No voice or undertone.
  - Loudness switch is not open or mute is not closed.
  - Balance of left and right or front and back set to one side.
  - Input/output wire or electrical wire sheaf have not connected rightly.
  - Open loudness switch or close mute.
  - Adjust the balance.
  - According to connection drawing (page 4, 5, 6), connected rightly.
We don't inform when technical specifications have been changed.

**TFT-LCD MONITOR**

Display Size: 6.5/7.0 inch
Pixel: 336 × 960 (480H×234V×RGB)
Effective pixel: 99.9%
Pixel arrange: RGB zonal arrange
Background illumination: code cathode rodio-tube

**DVD**

Digital to analog conversion: 24 Bit Decoder
Linearity PCM/olbydigital/data's/W/H/WMA
Shake degree: lower than measured limitness
Frequency respond:
(Sampling frequency: 96kHz) 20~44,000Hz
(Sampling frequency: 48kHz) 20~22,000Hz
(Sampling frequency: 44.1kHz) 20~20,000Hz

General harmonic distortion (1kHz) lower than 0.1%

Working scale: 100dB (DVD96K)
SNR: 100dB (DVD96K)

Disk forma: DVD-Video/VIDEO-C/D/CD-IA
Sampling frequency: 44.1kHz/48kHz/96kHz
Quantitative Bit: 16/20/24/Bit

Channels volume: ±10dB

**FM tuner**

Frequency scale (50kHz)... 87.5~108.0MHz
Useable sensitivity (S/N=30dB)... 9.3dBu
Static sensitivity (S/N=50dB)... 20dBu
SNR (dB) (MONO)... 62dB
Stere separation: >38dB (1kHz)
Radio channels storage: 50

**AM tuner**

Frequency scale (9kHz)... 504kHz~1710kHz

**TV**

System: PAL/B/G, I, D/K, NTSC M/N
Frequency compose: High Frequency Electronic Circuits
Television input: full subjoin TV channel
TV channels storage: 100

**Image**

Video color system input: NTSC/PAL
Video electric-level input (RCA jack): 1VP-p/75Ω Audio maximal electrical-level input (RCA jack): 1V/22k
Audio output (analog audio): 2.0V(rms)
Video output: 1.0V (P-P), 75Ω

**Audio**

Maximal power (back/front): 40W×4
Full bandwidth power (back/front) (below THD1%): 18W×4
Preliminary voltage output (V): 2V/10kΩ
Preliminary impedance output: ≤600Ω

**Tone**

Bourdon: 100Hz ±10dB
Mediant: 1kHz ±10dB
Alt.: 10kHz ±10dB

**Together**

Pressure: 14.4V(11V~16V)
Max current consumption: 15A
Size: 2D1N
Working temperature: -10℃~60℃
Storing temperature: -20℃~85℃
Weight: 3.5kg
NOTE:
The function will be upgraded & renewed continually, extra information if any differences between practical operation and description in manual, all depend on the practical operation of this model. Thanks!