English

Before installing
Please read the manual carefully

not watch the video programs while driving the car.

8. For the safety of passengers and yourself, please do

example, the operation against the User's Manual.
the player is damaged due to accidental causes, for
7. This company shall not provide any compensation if

materials are lost due to the damage of the player.
which this company shall not bear any responsibility,
of copyrights and intellectual property rights, for
under the protection of copyrights. Unauthorized
mature. The TV programs, movies and other materials may be

Temperature.
the temperature inside the car remains normal
Temperature, the player should be protected only after
4. If your car has been placed under over high or low

3. Do not block the air outlet of the fan.

and violent vibration.
heat source, high temperature, water, high pressure
2. Please do not install the player under direct sunlight.

from rain and humidity.
1. To avoid fire or electric shock, keep the player away

Warning
Precautions, Installation Tips

Precautions

- Please ignore the contents on remote controller if the functions of remote controller are not available in the model you use.
- Please do not try to reform the player. Otherwise, unexpected accidents may occur.
- If any operation on the Player affects your driving, please stop the car in a safe place before operating.
- Please do not operate this player under extremely high or low temperature. Before turning on the Player, make sure the temperature inside the car is between +60°C to -10°C. Temperature over the range may result in abnormal working.
- The fan for the player will be automatically turned on when the surrounding temperature is over 65°C; if below this temperature, the fan won't act.

Installation Tips

- This Player is only compatible with negative grounding system with 12V-14V DC power. Before installation, check whether such a negative grounding system is set in your car. (Range for voltage protection: 10.8V-16V)
- Before installation, please remove the power from (-) polar of the battery terminal so as to reduce the chance of damaging the player caused by short circuit.
- Wiring must be done according to the colors indicated on the cables as specified in the installation guide. Wrong connection may result in player damage or damage of the car's electric system. The (-) lead wire of the speaker must be connected to the (-) terminal for the speaker. Never connect it to the car body nor to other speakers.
- Please do not block the ventilation opening or the heat sink to avoid fire caused by the over heat inside the player. After the installation and before using the Car Player (including changing the battery for the car), use a round-head tool (like a ball-point pen) to press the button "RESET" on the panel so as to initialize the system. During installation, if the brake line is not used, it should be grounded. Otherwise, there will be no video output on the device (no image).
- When installing, please remove sticker on the player housing. Otherwise, it will affect the heat radiation.
- When installing, please remove the protective film on TFT screen to avoid affecting the operations via touch screen.
Precautions, Installation Tips And Wiring For Special Terminals

Wiring For Special Terminals

Mute detection terminal
Your car is equipped with a car phone, you should connect the mute detection terminal to the controlling wire of the car phone. Thus, when you make a call or answer a call, the Player will automatically enter the mute mode. At the time, a prompt will be displayed on the LCD screen and TFT screen. If your car is not equipped with a car phone, you don't need to connect the mute detection terminal to any controlling wire.

Brake detection terminal
Your car is equipped with a brake controlling wire, you should connect the brake detection terminal to the brake controlling wire inside the car. Thus, you can only enjoy music during driving as TFT screen will not display any video ages. In this case, TFT screen will display "WARNING PLEASE DO NOT MATCH VIDEO PLAYER". If no brake controlling line is installed in your car, the brake detection terminal should be directly grounded. Thus, you can watch the video programs no matter when you are driving or the car is stopped.

Detection terminal for parking distance control
Your car is equipped with a parking distance control, you should connect the detection terminal to that system. Thus, when you back the car, the Player will enter the park distance control mode so long as it is in on state. At the time, TFT screen will be automatically stretched out, displaying "BACK LOADING", once the parking is completed, TFT screen will return to the original state in 20s. If no parking distance control is installed in your car, you don't need connect the detection terminal to any wire.

Antenna controlling terminal
The antenna on your car is an automatic extendable antenna, you should connect the antenna controlling terminal to it. Thus, when you turn on the power for the Player, the antenna will be automatically extended out; when you turn off the Player, it will be automatically retracted. If no automatic retractable antenna is installed in your car, you don't need to connect the antenna controlling terminal to any wire.

Amp controlling terminal
Your car is equipped with a car amplifier, you should connect the amp controlling terminal to the controlling terminal for the amplifier. Thus, when you turn on the player, the amplifier will start working for you to enjoy Hi-Fi music. If no amplifier is installed, you don't need to connect the amp controlling terminal to any wire.
special operation

Calibrate screen
Tips: it must be calibrated if button on screen in average sensitivity or fingers not in touch with the valid touch button.
Steps: the unit is play status under DVD/USB/SD mode, long press "②" button (about 3 seconds), come to calibration page, use something sharp to touch the cross in screen center, then touch the 4 corner points.

Navigation
Notice: navigation as an optional, if you buy this unit with or without navigation, the GPS in main manu is useless.
Steps: If you choose navigation, once start the unit you can touch the button "GPS" direct to navigation mode or press "SRC/POWER" button in the panel. Press "Back/ Turn off" button to escape navigation mode or press "RC/POWER" switch to other mode. (More details please read navigation brochure)

USB/SD
Under USB/SD mode, users can choose music directly in list; If need touch button, you should touch right corner to let it works.

NOTE:
The function will be upgraded and renewed continually, extra information if any information between practical operation and description in manual, all depend on the practical operation of this model. Thanks!
Remote Controller

Zoom Button
Press the button to blowup the picture.

Audio Button
When the machine is DVD play format, press this button to open the dialogue.
When the machine is VCD state, press his button to choose the left/right track or stereo.

SUBTITLE Button
When the machine is DVD state, press this button to change the captions language.

Up/down/left/right ENTER Button
When the machine is DVD state, press this button to remove to Up/Down/left/right, and choose the Option of menu, and then press the ENTER button to check it.

PBC Button
When the machine is VCD state, press this button to open all of item. And cooperate with the numeral button to choose it.

GOTO (set the play time) Button,
When the machine is DVD state, press this button to set the title/chapter/time; When the machine is VCD/CD/MP3 state, press this button to set the currently item and time.

SET UP Button, When the machine is playing back state, press this button to change different setting of item.

SLOW (Slow-forwards/reverse)
When the machine is playing state, press this button can slow-forwards/reverse.

Battery:
When the controller doesn’t work or the control district become shortly, please change new batteries.

Instead of Battery:
Generally, a battery can use for one year. (But according with your used frequency) When the battery becomes weak, the range of the card remote commander becomes shorter. Replace the battery with a new CR2025 lithium battery. Use of any other battery may present a risk of fire or explosion.

---

Notice on the lithium battery.
- Keep the lithium battery out of the reach of children. Should the battery by swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Don’t hold the battery with metallic tweezers, otherwise a short circuit.

---

Equipment operation

1. TFT screen
2. +/-LOUD(ON/OF)
3. Volume/SEL
4. SRC Power/Mode
5. Remote controller signal receiver
6. USB port
7. Hang up/Refuse/mute
8. Answer/FM/AM/s&chute Picture format
9. Navigation keys
10. Panel-remove button
11. Eject
12. +/-EQ
Operating Instructions

Power on/off and Mode key

2. In standby state (the key to the car at ON position, i.e. ACC/ON, when the small LCD of the Player displays the current time). Short press SRC POWER key to turn on the power for the Player, the system enters the working mode, which was saved when the Player was turned off last time. In the power-on state, short press this key again to select a desired working mode. If there is a disc inside the Player, the working mode will be selected from RADIO-DVD-AUX IN-TV-RADIO; if there is no disc inside the Player, the working mode will be selected from RADIO-AUX IN-TV-RADIO. In power-on state, long press that key for the Player to return to standby state (LCD displays the current time).

3. In standby state, insert the disc into the Player, which will absorb the disc and automatically power on to enter the DVD mode, the volume (when 20 or lower) and sound effect will be defaulted as the settings which was saved when the Player was turned off last time.

4. If the Player was turned off by turning the car key to OFF (ACC/OFF) position last time, it will be automatically turned on when the car is started again, and enter the working state which was saved when the car engine was stopped last time.

To use the system, press the key ▲ (as shown in Figure A-(10)), the control panel will be ejected out. Gently move it rightward to dismantle the antitheft panel. If SD card is needed, insert the SD card into SD card port. When the system is working, if the panel is removed, TFT screen will be automatically retracted, the power for the whole system is turned off and LED indicator flashes (as shown in Figure A-(22)). To reset the system, use a sharp-end article to press the key "RESET" (as shown in Figure A-(21)) to reset the system.

Note: When the system fails, press the key "RESET" to recover normal functions, the system will delete the saved functions and time data.
Operating Instructions

Volume/Bass/Treble/L&R Bal/F&B Bal

Figure B

1 2 3

Turn the Volume button clockwise (as shown in Figure B-(3)) to increase the volume, and rotate it counter-clockwise to decrease it. Short press this button repeatedly to select a desired EQ mode in following order: Vol-BAL-FAD-LOUD...EQ OFF (EQ OFF-POP-ROCK-CLAS- EQ OFF)-VOL (volume). Long press the key to enter image adjusting mode.

1. After selecting a desired mode, you can turn the Volume button clockwise or counter-clockwise to adjust the status of the mode; b. If you do not adjust the Volume on five seconds after selecting a mode, the system will return to the current mode; c. When EQ function and LOUD function are turned on, press the Volume button for 1 second to display the contents in following order: VOL-L/R BALANCE-F&B Bal FADER-LOUD ON (OFF)-EQ- VOL

/ Mute mode

Press this button to finish call or refuse incoming call under Bluetooth mode; in other mode it is mute.

Note: In Mute mode, turn the Volume button to resume the audio output.

Band/NTSC. PAL. SECAM (System switch)

Press Button to answer or confirm replays under Bluetooth mode FM/AM switch under Radio mode; picture format switching under DVD/USB/SD mode.

Operating Instructions

• Replacing disc

Figure C

If there is a disc in the tray, press the key ▲ (as shown in Figure C-(11)), the disc will be automatically ejected out. Insert a disc into the empty disc tray, the disc is automatically absorbed, the system enters DVD mode.

• Adjusting TFT screen angle

Figure D

After the TFT screen is stretched out, in any mode, press the key "▲" (as shown in Figure D-(15)), the system adjusts the TFT screen angle downwards (as shown in Figure D-(15)); press the key "▼" (as shown in Figure D-(14)), the system adjusts the TFT screen angle upwards; press " ● " (as shown in Figure D-(17)), the system adjusts the TFT screen angle leftwards, max. adjusting angle shall be 16° ; press " ● " (as shown in Figure D-(18)), the system adjusts the TFT screen angle rightwards, with maximal adjusting angle of 18°.
Operating Instructions

Operations on inlet/outlet case of TFT display

1. In the power-on state, press the key "OPEN/CLOSE" (as shown in Figure E (16)), the screen is ejected or taken in.

Adjusting TFT screen image mode

2. DVD, AUX IN or SD mode, press the key "-" (as shown in Figure F (13)), the system enters the image adjusting state. Operate the keys "-", "+" (as shown in Figure F (2), (12)) to adjust the definition, color, contrast and color saturation for the image on TFT screen. Likewise, long press the Volume button to enter the image mode adjusting state. Short press the Volume button to select a desired image mode. Rotate the Volume button to adjust the definition, contrast and color saturation for the image on TFT screen.

Operating Instructions & Radio Mode

Sensor

The infrared receiver for remote controller (as shown in Figure G (5))

Radio

1. In Radio mode, repeatedly press the key "Band" (as shown in Figure H (8)) to select the band in the following order: FM1- FM2- FM3- AM1- AM2- FM1

2. Manual tuning: Press the navigation keys "<|>" intermittently (as shown in Figure H-9); the system will search for the channels upwards and downwards.

3. Automatic tuning: Long press "<|>" (as shown in Figure H-(9)), the system will search for the channels downwards or upwards.

4. Press "▲", the system plays the program of the previous saved channel; press "▼", the system plays the program of the next saved channel.
Operating Instructions

- Operations on inlet/outlet case of TFT display

In power-on state, press the key “OPEN/CLOSE” (as shown in Figure E-(16)), the TFT screen is ejected or taken in.

- Adjusting TFT screen image mode

In DVD, AUX IN or SD mode, press the key “-” (as shown in Figure F (13)), the system enters the image adjusting state. Operate the keys “-”, “+” (as shown in Figure F (2), (12)) to adjust the definition, color, contrast and color saturation for the image on TFT screen. Likewise, long press the Volume button to enter the image mode adjusting state. Short press the Volume button to select a desired image mode. Rotate the Volume button to adjust the definition, contrast and color saturation for the image on the TFT screen.

Operating instructions & Radio Mode

- Sensor

The infrared receiver for remote controller (as shown in Figure G (5))

Radio

1. In Radio mode, repeatedly press the key “Band” (as shown in Figure H (8)) to select the band in following order: FM1- FM2- FM3- AM1- AM2- FM1

2. Manual tuning: Press the navigation keys “◄►” intermittently (as shown in Figure H-(9)); the system will search for the channels upwards and downwards.

3. Automatic tuning: Long press “◄” (as shown in Figure H-(9)), the system will search for the channels downwards or upwards.

4. Press “▲”, the system plays the program of previous saved channel; press “▼”, the system plays the program of next saved channel.
Playing DVD discs

In DVD mode, short press the SRC/POWER key (as shown in Figure I-(4)) to select desired working mode in following order: DVD-AUX IN-TV-RADIO-DVD.

When playing DVD, VCD, VD and MP3 discs, short press the "ENT" (as shown in Figure I-(9)). The ongoing playing is paused; press the key again to resume playing; short press "<<" or ">>" (as shown in Figure I-(9)), the system plays the previous or next track in the disc; long press "<<" or ">>" (as shown in Figure I-(9)), the system plays the disc in fast forward or fast backward state; press "▲" or "▼", the system plays the disc in fast forward or fast backward state.

Operations on TV & via SD Card

Operations on TV

1. In TV mode, short press the key "SRC POWER" (as shown in Figure J-(4)) to select a desired mode in following order: TV-RADIO-DVD-AUX IN-TV.

2. If the local TV standard is inconsistent with the Player, short press the key "Band" (as shown in Figure J-(8)) to select a desired TV standard in following order: PAL-I-PAL DK-PAL BG-PAL I.

3. To search for a new channel, press "<<" or ">>" (as shown in Figure J-(17) (18)) to get a channel upwards or downwards on single basis. Or, long press the central navigation key "ENT" to have fully automatic search and save the found station. To watch the previous or next channel, press the navigation key "▲" or "▼".

Operation via SD Card

1. Press the button "▲" and remove the panel, insert a SD card into the SD card port (as shown in Figure K-(20)) and close the panel. After the system is powered on, press the key "SRC/POWER" (as shown in Figure J-(4)) to enter the SD card mode and play the contents in it.

2. To watch the previous or next track, press "<<" or ">>". To fast select a desired program, first press "▲" or "▼" to select it, and then press "ENT" to play it.
AUX IN & Parking Distance Control Operation

AUX IN & Parking Distance Control

1. Press "SRC/POWER" (as shown in Figure L-(4)) to switch the system into AUX IN mode. After the TFT screen displays "AUX LOADING", the system enters the external audio/video input mode. At the time, LCD screen keeps displaying "AUX IN" In the mode, the external audio/video device can be connected to the Player.  
2. After the player is connected to the parking distance control, once the car is reversed, the system automatically enters the PDC state. At the time, LCD screen displays "CAR-", and the system displays the scene shot behind the car on TFT screen and the speaker in the car will beep.

Figure K

Touch operation

MAIN MENU

1. Parameter set mode.
2. Radio mode.
3. TV mode.
4. DVD mode.
5. Bluetooth mode
6. AV mode.
7. USB/SD card mode.
8. Ipod mode.

Parameter setup mode

Figure L

GENERAL SETUP

1. Close this window.
2. Clock adjust
3. RDS mode adjust.
4. Picture choosing of Rearview camera
5. Radio Systems
6. Language

-18-
Touch operation

RADIO 1 MODE (RDS: ON)

1. Clock, band, frequency display
2. Mute on/off
3. Power of Screen
5. Band (FM1-FM22, FM3-AM1-AM2-FM1)
6. Short press to adjust frequency slightly, long press to scan a frequency to stop.
7. Short press to review the broadcasting station, long press to search and save station, press to stop when browsing or searching.
8. Short press to adjust frequency slightly long press to scan another frequency then stop.
9. Program choosing, press to switch between traffic message and news (this function should be used under AF opened).
10. Traffic notice station, press to turn on or off traffic notice.
11. Press to open or close AF function to save the same program but best quality frequency once AF opened.
12. Message display
13. Angle down of screen
14. Station choose and display
15. Angle up of screen
16. Return last menu
17. Set, press to set menu
18. Picture systems switch
19. Angle down adjust of screen
20. Choose last station
21. Mute on/off
22. Choose next station
23. Eject
24. Angle up adjust of screen
25. Back to last menu
26. Press to open TV under this mode
27. Set, press to set menu
28. Angle down adjust of screen
29. Choose next station
30. Eject
31. Angle up adjust of screen
32. Speed Back (twice speed decrease)
33. Speed mode (twice speed increase)

DVD mode

1. Back to last menu
2. Cross up/down/leftright and OK
3. Stop
4. Pause/play
5. Left/right track switch
6. Choose last music
7. Choose last music
Touch operation

Bluetooth mode

1. Search and connect Bluetooth device
2. Set, press to set menu
3. Back to main menu
4. Answer/Redial/Confirm outcall
5. Dial international call
6. Hang up/Refuse
7. Answer and switch answer
8. Clear

9. Bluetooth play/pause when play music
10. Choose last music
11. Choose next music
12. Angle down adjust of screen
13. No. and symbol
14. Angle up adjust of screen
15. Message display

AV MODE
Press any place to “video audio set menu” under AV mode. More details read page 23

USB/SD MODE
USB/SD operation mode the same as DVD mode, more details read page 19

Notice:
Under USB/SD mode, users can choose music direct in list; If need touch button, you should touch right corner to let it works.

Ipod MODE

1. Press to radio mode
2. Press to DVD mode
3. Press to TV mode
4. Back to last menu in iPod
5. Confirm
6. Cross up
7. Cross down
8. Speed back
9. Speed move
10. Play/pause
11. Switch between picture and audio
12. Press to picture and audio set menu

Notice: you should press “RADIO” or “DVD” “TV” to the right mode under ipod mode then press “back” to main menu
Touch operation

Audio and video set mode

Tips 1: Press "SEL" button under RADIO/TV/Bluetooth: touch any place under AV mode to "analog volume set"

| ① High volume+/low volume - |
| ② Volume+/volume- |
| ③ Brightness+/brightness- |
| ④ Contrast+/contrast- |
| ⑤ Color+/color- |
| ⑥ Tone+/tone- |
| ⑦ Woof open/close |
| ⑧ Listen left/right |

Tips 2: Press "SEL" under DVD, IPOD, USB/SD to Audio video analog volume set

- Picture Reposition to standard
- Loud on/off switch
- EQ(Rock/pop/classic open/close) switch
- Back to last menu
- Back Left/back right balance
- Front left/front right balance
- Bourdon+/bourdon-
- Back to main menu

- List of accessories

<table>
<thead>
<tr>
<th>①</th>
<th>②</th>
<th>③</th>
</tr>
</thead>
<tbody>
<tr>
<td>spring(left)</td>
<td>spring(right)</td>
<td>ø 5x8 x4</td>
</tr>
</tbody>
</table>

- Installation Example 1

1. Install it into the frame
2. Bend the detents outwards if necessary to tighten them
### INSTALLATION

#### Installation Example 2

This example demonstrates an installation on a car made in Japan. The process of installation shall be subject to the car types and provided parts.

**Note:**
1. Please keep the accessories out of reach of children.
2. Please use screws provided for installation.
3. The process of installation shall be subject to the car types and provided parts. Please refer the installations to professionals.

#### Removing the Control Panel

- Please disconnect the power before removing the control panel and then press the key to eject the right side of the panel.
- Hold the panel, move it rightwards and take it out.

---

**Steps:**

1. **Install springs on both sides**
2. **The front wall of the driver's cabin**
3. **Fasten the back screws, install the rubber and fix the player.**
4. When dismantling the player, press the springs on both sides inward, and pull out the player.
**INSTALLATION**

- Install the Control Panel

Align the hole on the left side of the panel to the buckle on the chassis and then push leftward to lock the buckle into the hole of the panel.

Then hold the part as indicated by arrows in the figure with your thumb and forefinger and push it inward until a sound is heard, thus the panel is locked into place.

- Note

Do not touch the connectors on the player and the control panel, otherwise poor contact may be caused. If the connectors are dirty, please wipe slightly with clean dry cloth.

Tips:
Please do not remove the control panel so as to reduce the opportunities of touching the connectors.

---

**TECHNICAL SPECIFICATIONS**

- **Overview**
  - Power supply: 12V DC
  - Load: 4Ω
  - Max. power output: 50Wx4
  - Volume control: +10dB(Bass 100Hz, Treble 10KHz)
  - Overall size: Approx. 192x178x50mm (DxWxH)
  - Installation dimension: Approx. 169x182x53mm (DxWxH)
  - Weight: Approx. 2.4Kg

- **AV Play**
  - Video standard: AUTO/PAL/NTSC/SECAM
  - Video output level: 1.0Vp-p 75 OHM
  - Visual angle: 0° +/−30°
  - Resolution: 480RGB (H) x234(V) pixels
  - Screen size: 7.0” (16:9 Diagonal) inch

- **Audio**
  - Max. output level: 2Vrms(+/−3dB)
  - Frequency response: 20-20KHz
  - S/N: 85dB
  - Stereo crosstalk: 80dB

- **AM Tuning**
  - Frequency range: 522-1620 (Europe/China); 530-1710 (USA)
  - Intermediate frequency: 450KHz
  - Sensitivity (-20dB): 13dB

- **FM Tuning**
  - Frequency range: 87.5-108 (Europe/China); 87.5-107.9 (USA)
  - Intermediate frequency: 10.7MHz
  - Sensitivity (-30dB): 2dB
  - S/N: 60dB
## Troubleshooting

<table>
<thead>
<tr>
<th>Failures</th>
<th>Causes and Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power supply</td>
<td>Check whether the fuse of the power supply is burnt. Replace it with a fuse of proper capacity if necessary.</td>
</tr>
<tr>
<td>Poor LCD display or invalid key Pressing</td>
<td>Press RESET key</td>
</tr>
<tr>
<td>No channels received</td>
<td>Check whether the antenna is connected or connected well or not. If not, connect the antenna well.</td>
</tr>
<tr>
<td>Poor radio reception</td>
<td>The length of the antenna may be set improperly. Check whether the antenna is full pulled or broken. If broken, please replace it with a new one. Poor broadcasting signal. The antenna may be poorly grounded. Check whether the antenna is well grounded.</td>
</tr>
<tr>
<td>No image in backstage output</td>
<td>The poor connection between the main Unit and the TV set.</td>
</tr>
<tr>
<td>Picture glittering</td>
<td>The color system may have been incorrectly Set. Please set the color system to PAL or NTSC, depending on your TV set.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Failures</th>
<th>Causes and Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No TFT image</td>
<td>Parking wire has not yet been grounded, or though parking wire is connected with the brake control cord; there is no TFT image during travel, which is normal.</td>
</tr>
<tr>
<td>ENT-LEVE displayed on LCD monitor alternately</td>
<td>The voltage is beyond 10.8V-16.5V. <strong>WARN</strong>: If the voltage does not fall into the scope, not only ENT-LEVE will be displayed on LCD monitor, but also the player will enter the OFF-ON-OFF cycle after some time.</td>
</tr>
<tr>
<td>In case of too massive volume output, NT-LEVE is displayed on LCD monitor, and the player enters the OFF-ON-OFF cycle from time to time.</td>
<td>The power cable or ground wire is too thin or the voltage is too low. Please change the storage battery or replace with a power cable that is thick enough (above 16AWG).</td>
</tr>
<tr>
<td>Mute in the TV mode</td>
<td>Possibly the current sound standard is different from local one. Press the BAND key to choose an appropriate sound standard.</td>
</tr>
</tbody>
</table>

Note: If the failures cannot be solved by the methods above, please contact the local supplier. No userserviceable parts inside.