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NOTES ON INSTALLATION

☞ The unit is designed for 12V DC, negative ground operation system only.
☞ Before installing the unit, make sure the vehicle is connected to DC 12V negative ground electrical system.
☞ The negative battery terminal must be disconnected before making connections, which can reduce damage to the unit due to short circuit.
☞ Be sure to connect the color coded leads correctly according to the diagram. Incorrect connection may cause the unit to malfunction or damage the vehicle electrical system.
☞ Be sure to connect the speaker (-) leads to the speaker (-) terminal. Never connect the left and right channel speaker cables together or to the vehicle body.
☞ Do not block vents or radiator panels. Blocking them will cause heat to build up inside the unit and may damage it.
☞ After the completion of the installation and before beginning to play (including replacing the battery), please press the RESET button on the front panel with pointed objects (such as ball-point pen) to set the unit to initial status.
**PRECAUTIONS**

This unit can play the following disc only:

<table>
<thead>
<tr>
<th>Type of disc</th>
<th>Label on the disc</th>
<th>Recorded material</th>
<th>Size of disc</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD</td>
<td></td>
<td>Sound and moving Pictures</td>
<td>12cm</td>
</tr>
<tr>
<td>VCD</td>
<td></td>
<td>Sound and moving Pictures</td>
<td>12cm</td>
</tr>
<tr>
<td>MP3</td>
<td>MP3</td>
<td>Sound and moving Pictures</td>
<td>12cm</td>
</tr>
<tr>
<td>MP4</td>
<td>MP4</td>
<td>Sound and moving Pictures</td>
<td>12cm</td>
</tr>
<tr>
<td>CD</td>
<td></td>
<td>Sound only</td>
<td>12cm</td>
</tr>
</tbody>
</table>

*Note: 1. The unit is compatible with DVD, VCD, MP3 and CD. If no DVD, VCD or MP3 on some models you should ignore them. While enjoying DVD, VCD, MP3 and CD, the display will automatically identify the disc and indicate the corresponding words.

- Do not attempt to modify the unit. Unauthorized modification may damage the unit.

- Stop the vehicle before carrying out any operation that could interfere with your driving.

- Do not operate the unit in extreme temperatures inside the vehicle. The operating temperature of the unit is between -20°C to +60°C.

- To enjoy optimum sound and images while playing, handle the disc as follows:
  - Handle the disc by its edge to keep the disc clean. Do not touch the surface.
  - Do not use CD with paste residue or ink on the surface.
  - Do not use CD with labels or stickers attached. It may cause failure of the loader mechanism. (Shown in picture)
  - Clean the disc with cleaning cloth. Wipe each disc from the centre out. (Shown in picture)

**WIRING DIAGRAM**

**STANDARD CONNECT**

- Antenna Receptacle
- Output Socket (female)
- Fuse Holder (15A)
- Video Out Receptacle
- Output Socket (male)
Panel illustration

1. Power button
   - Under sleeping mode, press it to turn the unit on, and the unit will automatically select Radio mode.
   - Under sleeping mode, when there comes a call, press it to reject or hang up the call.
   - Under working mode, press it to turn the unit off. (Note: when there just comes a call, press it only reject or to hang up the call)

2. Angle button
   - Press it to adjust the angle of the front panel, and there are totally four angles optional.

3. Eject button
   - When there is no disc in the unit, press it and the front panel will flip down to show the disc slot in the main unit.
   - Insert the disc into the CD slot, and the mechanism will automatically playback the disc.
   - When there is a disc in the unit, press it, the front panel will automatically flip down and eject the disc, if you don’t take the disc away within 5 seconds, the mechanism will automatically slot in the disc, lock the front panel and select radio mode.

4. Tel button
   - When there comes a call, press it to answer the call. (When you want to reject or hang up the call, press on the front panel or HAND UP touch key in the TEL touch menu.)

5. Release button
   - Before detach the front panel, press to turn the unit off.
   - Press it to pop the front panel.
   - Take the right end upwards, and pull off the front panel towards you.

6. Touch screen
   - Press any place on the touch screen, the corresponding touch menu will display on the screen under different mode, please refer to corresponding chapter below for operation in details.

7. Volume knob
   - For Volume Control, rotate VOL knob clockwise to increase the sound level and anti-clockwise to decrease the sound level. Press this knob to select different source mode according to the following orders:

8. Reset button
   - Operating the unit for the first time or after replacing the car battery, you must reset the unit. Press this button with a pointed object (such as a ballpoint pen) to set the unit to initial status.
   - Note: When errors occur on the LCD display, you can also press RESET button to clear the error. It will erase the clock setting and some memorized functions.

9. USB port
   - The unit can be connected to a USB device for playing MP3 songs through the USB cable from mini size to the normal standard USB size.

10. Remote control sensor
    - Sensor for the card remote commander. (For remote control version only)
    - Note: This window is used with remote control function. Without this function, you should ignore the operation contents about remote control function.

11. CD slot
    - Insert the disc into the CD slot, the mechanism will automatically playback the disc.
**RADIO OPERATION**

1. **Band Selector**
   - Press it to select bands in the following orders:
   - FM1 → FM2 → FM3 → FM4 → FM5

2. **Frequency display**
   - Display present frequency information.

3. **Number keys**
   - Under radio mode, select the desired station to listen by pressing the corresponding number key. Under manual tuning mode, number keys can help you store your favorite station by pressing the desired number keys. Under automatically tuning mode, the unit will automatically pick up the station and store into number keys according to different band.

4. **ST key**
   - Press it can switch ST(stereo) on or off. When ST is on, "ST" in the LCD will display in red color and "STEREO" will also appear in the screen. When ST is off, "ST" will return to display in green color and "STEREO" will disappear.

5. **LOC key**
   - Press it to switch LOC on or off. When LOC is on, "LOC" in the LCD will display in red color and when LOC is off, "LOC" will return to display in green color.

6. **APS key**
   - This key acts the same function as AMS key. Press and hold it for 3 seconds to start automatic scanning of radio stations. The unit will automatically pick up the station and store in to number keys. A total of 18 FM stations and 12 AM stations will be stored. After all the stations are stored, pressing this key shortly will play each stored station. The unit will start playing the first station stored till the last station stored at 10 seconds in interval.

7. **[Previous]**
   - Press it shortly to tune a station downward. Press and hold it for more than 3 seconds, the radio will automatically search a station downward and play when it finds a station. You can store the station by pressing the desired number keys in the touch screen or in the remote control.

8. **[Next]**
   - Press it shortly to tune a station upward. Press and hold it for more than 3 seconds, the radio will automatically search a station upward and play when it finds a station. You can store the station by pressing the desired number key in the touch screen or in the remote control.

9. **MUTE key**
   - Press it to cut off the sound output, and "MUTE" will appear in the LCD; press it again to cancel the MUTE function.

10. **TA key**
    - Traffic program/Traffic Announcement. When TA is on, "TA"
**RADIO OPERATION**

in the LCD will display in red color and will appear “TA SEEK”. After TA information is searched, will display in the LCD and it automatically switches to normal mode.

11. PTY key  
Press PTY key to select program type:

   APTY MUSIC group:  
   1. POP M., ROCK M.  
   2. EASY M., LIGHT M.  
   3. CLASSICS, OTHER M.  
   4. JAZZ, COUNTRY  
   5. NATION M., OLDIES  

12. AF key  
Alternative frequency tracking. The radio automatically selects the alternative frequency of the same program with the best reception. When AF is on, “AF” in the LCD will display in red color.

13. Tel function (Bluetooth function operation)  

![Diagram of radio and phone function keys]

1. Number keys  
2. DEL key  
3. Pair key  
4. Connection key  
5. Pick up key  
6. HAND UP key  
7. BACK key  
8. Status bar  
9. Hand up key

**RADIO OPERATION**

Bluetooth pairing settings:  
a) Bluetooth active is the default setting for the player  
b) To pair the player with the mobile, operate mobile: Active Bluetooth and start a device search. Select the Bluetooth device in the player and press “Pair”.  
c) Press “PAIR” key in the touch screen of player to confirm the pairing.  
d) Operate mobile and input the default password “0000”.  
e) After the pairing is successfully connected, “SUCCESS” will display the LCD and you can make call through the player.

Make call through the player:  
(1) Number keys: Input the phone number you want to call.  
(2) DEL: When you input the incorrect character, press it to delete the incorrect character.  
(3) Pair: To pair mobile with the player.  
(4) CNT: Bluetooth can be switched on or off by press this button after the pairing is connected.  
(5) Pick up: After you input the phone number, press it to make a call; When there comes a call, press it to answer the call. (The “Hand up” button

14. EQ key  
Press it to select the desired EQ effect in the following orders:  

15. LOUD key  
LOUD on or off.

16. Mode switch  
Press it to select source in the following orders:  

17. VOL/SEL key  
This key has SEL function. Repeatedly press it to select mode in the following orders:  

18. Parameter display  
After selecting the desired mode, you can adjust its level by press area , and the corresponding parameter will display in this area.
**DVD OPERATION**

1. **PLAY/PAUSE key**
   Press it to pause the playback, and press it again to resume to normal playback.

2. **STOP key**
   Press it to stop the playback, and press it again to start playback from the beginning.

3. **L/R key**
   Press it to get switch of R+R/L+L/STEREO.

4. **N/P key**
   Press it to switch the video system:
   - PAL
   - PAL60
   - AUTO
   - NTSC

5. **RDM key**
   Press it to play the disc in random, press it again to resume to normal playback.

6. **RPT key**
   Repeat function. Press it to repeat the current track/chapter; Press it again to repeat the title. Press it for the third time to cancel the repeat function.

7. **EQ key**
   Press it to select the desired EQ effect in the following orders:
   - CLAS
   - ROCK
   - ROCK
   - EQOFF

8. **LOUD key**
   LOUD on or off.

9. **MUTE key**
   Press it to cut off the sound output, and "\%" will appears in the LCD; press it again to cancel the MUTE function.

10. **TA key**
    For details, please see section 10 in "Radio Operation" chapter.

11. **TEL key**
    For details, please see section 13 in the "Radio Operation" chapter.

12. **MODE key**
    Press it to select source in the following orders:
    - RADIO
    - DVD
    - USB
    - TV
    - AUX

13. **Key**
    Press it to select track downward, press and hold it for more than 3 seconds to fast reverse the track.

14. **Key**
    Press it to select track upward, press and hold it for more than 3 seconds to fast forward the track.

15. **BACK key**
    Exit the touch menu.

16. **VOL/SEL key**
    This key has SEL function, Repeatedly press it to select mode in the following orders:
    - VOL
    - BASS
    - TREB
    - BAL
    - FADE
    - CLAS
    - ROCK
    - ROCK
    - EQOFF

17. **Parameter display**
    After selecting the desired mode, You can adjust its level by pressing Area, and the corresponding parameter will display in this area.

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http://www.vcanelectronics.com
tel:86-755-81068810
fax:86-755-81695560
TV OPERATION

1. Number keys
- Under TV mode, select the desired channel to watch by pressing the corresponding number key.

2. SYS selector
- Press it to select TV system according to the following sequence:
  
  - PAL-D/K → PAL-B/G → NTSC → PAL-I

3. SEEK key
- Press it, the unit will search automatically from VLF frequency. Till all the 100 channels are searched and stored or the frequency is add up to its max frequency, auto-search will stop. After the auto-search is finish, the unit will default select the first channel.

4. EQ key
- Press it to select the desired EQ effect in the following orders:
  
  - CLASSIC → ROCK → ROCK → EQ OFF

5. TEL function key
- For details, please see section 13 in the "Radio Operation" chapter.

6. TA key
- Select the downward channel to watch.

7. LOUD key
- LOUD on or off

8. TA key
- For details, please see section 10 in the "Radio Operation" chapter.

9. SEEK
- Select the upward channel to watch.

10. MUTE key
- Press it to cut off the sound output, and "X" will appears in the LCD; press it again to cancel the MUTE function.

11. MODE key
- Press it to select source in the following orders:
  
  - RADIO → DVD → USB → TV → AUX

12. BACK key
- Exit the touch menu.
**AUX OPERATION**

1. **EQ key**
2. **LOUD selector**
3. **MUTE key**
4. **Back key**
5. **TA key**
6. **Tel function key**
7. **Mode switch**
8. **VOL/SEL key**
9. **Parameter display**

**AUX GENERAL OPERATION**

1. Press **MODE** key to switch to AUX working mode.
2. Connect to AUX source.
3. Under AUX mode, all the touch keys keep the same functions and operate in the same way as other modes.

For details of their operation, please see main section in "Radio operation" chapter.

*Note: The unit can't be directly connected with high power AUX source, in order to avoid fire or other damage to the unit.*

**LOCATION OF THE REMOTE CONTROL**

1. **Power Switch**
2. **Pause/Play Button**
3. **Mute Button**
4. **Selecting Menu Button**
5. **Band/System Switch**
6. **Enter Button**
7. **Volume Control**
8. **Tuning/Selecting Tracks/F.F/REW**
9. **Program Playing**
10. **On-Screen Display**
11. **Setting the Sound Characteristics**
12. **Repeat Playing**
13. **Random Playing**
14. **Number Button**
15. **Audio-Setting**
16. **PBC Menu**
17. **Subtitle-Setting**
18. **Playing Time-Setting**
19. **Mode Switch**
20. **Stop/Reverse Button**
21. **Angle-Setting**
22. **Slow-motion Play**
23. **Setup Menu**
24. **Menu-Display**
25. **Zoom-Setting**
**REMOTE CONTROL OPERATION**

- **Replacing the Battery**
  
  When the range of the operation of the card remote control becomes short or no function while operating, replace the battery with a new battery cell.

1. Pull out the Battery Holder while pressing the Stopper (①).

2. Put the button-type battery (+) mark upward into the Battery Holder.

3. Insert the Battery Holder into the Remote Control.

- **Power Button**
  
  --Press ① (Ω) button to turn On/Off the power.

- **Pause/Play Button**
  
  --Press ② (►) button to suspend the playback of CD, MP3, VCD, DVD. Press it again to return to normal playback mode.

- **Mute Button**
  
  --Press ③ (.Hidden) button to cut off the sound output. Press it again to resume at the previous sound level.

- **Menu selector**
  
  --Press ④ (地下/地面/地下) to select your desired menu. Then press ⑥ (ENTER) or press the play button ② (►) to confirm.

  *Note: This function works in main menu mode only. Refer to page 13.

- **Band/System Switch**
  
  --During radio mode, press ⑤ (BAND/SYS) to switch receiving band. Press and hold it, open the LOUD function.
  
  --During playback mode, press ⑤ (BAND/SYS) button to switch to AUTO, PAL, or NTSC system, press and hold it to open the LOUD function.

- **Volume Increasing/Decreasing**
  
  --Press ⑦ (VOL+ or VOL-) button to increase or decrease the volume level respectively.

- **Tuning/Selecting Tracks/FastRewind/Forward**
  
  --During radio mode, continuously press ⑧ (◄ or ►) button to manual search a station downward or upward respectively; if press and hold ⑧ (◄ or ►) button for more than 3 seconds, the radio will automatically search a station downward or upward respectively until it finds a station.

  --During playback mode, press and hold ⑧ (◄ or ►) button to fast rewind or fast forward to reach your desired track quickly. Momentarily pressing ⑧ (◄ or ►) button, you can select your desired track downward or upward respectively.

- **On-Screen Display**
  
  During CD, VCD, DVD mode, press ⑩ (OSD) button. The display shows single track elapsed time, single track remaining or entire disc remaining, and the track being played and the content of the whole disc.

  *Note: During MP3 mode, only single track elapsed time is displayed in OSD mode.

- **VOL/BAS/TRE/BAL/FAD Selector**
  
  Repeatedly press ⑩ (SEL) button to select the desired mode in the following order:
  
  VOL - BAS - TRE - BAL - FAD
  
  COL - CONTR - BRK - EQ

  *Note: After selecting your desired mode, you can adjust the current mode by displaying using (VOL+ or VOL-) buttons. When P-EQ mode is activated, press SEL button to select the modes. And Bass/Treble mode are invalid. (Shown as below)

  VOL - BAL - FAD - EQ
  
  COL - CONTR - BRK

- **Program Playing**
  
  --During CD, VCD mode, you can set the program order to play, you can follow the steps below:
  
  First, press ⑪ (PBC) button, and then press ⑤ (PGM) button, and the television displays programming P00:00. You can set the program order to play by pressing ⑬ (0-10+) button, and then press ② (►) to play.

  *Note: Program doesn't function when playing MP3.

- **Repeat Playing/AMS**
  
  During DVD mode, first, press ⑬ (AMS/RPT) to repeat the current track being played; Press it again to repeat playing all the tracks. Pressing it the third time will cancel the repeating function. (LCD will display different designs)
REMOTE CONTROL OPERATION

--- During CD, MP3, VCD mode, press [15] (RPT) to repeat the current track being played; press it again to cancel the repeating function.

Note: In VCD, MP3, CD mode. The initial setting is repeat playing all the tracks.
Note: In radio mode, press [12] (AMS/RPT) to scan each stored station for 10 seconds.

★ Left/Right/Stereo Selector
--- During playback mode, continuously press [15] (AUDIO) can change the sound to left/right speaker or stereo mode.

Note: There are 5 different surrounding effect in surround mode. During VCD mode, you can see the different pictures indicating different effects on the television.

★ Random Playing
--- During playback mode, press [13] (RDM) button to play any track at random.

Note: RDM is not functional in DVD mode.

★ Number Buttons
--- During radio mode, you can select one of the 6 stored stations on each band by pressing any one of the number button [14].

--- During the playing mode, you can select any track directly by using [14] number button (0~10+). For example, if you need the fifteenth track, you can first press button 10+ and then press button 5, the corresponding track (15) will be played.

Note: When button 10+ is first pressed, it works as 10+; it works as 20+ when pressed at the second time, the third time, ...30+... and so on and so forth. In PBC playback mode, number button is not functional.

★ Playing PBC (menu)
--- During VCD mode only, when pressing [16] (PBC) button at the first time, PBC playback starts and the menu of entire disc appears on the television. And then you can select your favourite track by using number button [14] (0~10). When a track is playing, you can press [10] (STOP/RETURN) button to return to the menu if you want to stop to select other tracks. To cancel PBC playing, press [17] (PBC) button again.

★ Subtitle Selector
--- During DVD mode, press [17] (SUB-T) button to switch the menu to Chinese or English.

★ Setting CD Playback Time
--- In VCD, CD mode, press [18] (GOTO) key and set the time when you begin to play the track, and the television will display the time --.--. Enter your desired time by pressing number button [14] (0~10+). For example, enter: 25:00; and press [4] (ENTER) to confirm, it will automatically start playing the track from the point of twenty-fifth minutes in the disc.

--- In DVD playing mode, press [18] (GOTO) key once and input a desired track number. Then press [4] (ENTER) key to play the DVD from the position corresponding to the track number selected.

--- In DVD playback mode, press [18] (GOTO) key once and input a desired time to play the DVD from the position corresponding to the time selected. For example, press [18] (GOTO) key once and the television will display the time --.--. Enter your desired time by pressing number button [14] (0~10+) and 4 direction button. Then press [4] (ENTER) button, it will automatically start playing the track from the point of your desired time in the disc.

Note: In VCD, MP3 and CD, it is not the function.

★ Stop the Playback
--- In DVD mode, press [19] (•) button to suspend the playback and “press play to continue” shown on TV, press it again to stop the playback

★ MULTI-ANGLE KEY
--- In DVD playing mode, press [18] (ANGLE) key, you can watch the DVD content from different angle.

Note: In VCD, MP3 and CD, it is not the function.

★ SLOW REVERSE/SLOW ADVANCE KEY
--- In DVD/VCD playback mode, press [18] (SLOW) key once for 1/2 slow advance, twice for 1/3 slow advance, third for 1/4 slow advance, forth for 1/5 slow reverse, fifth for 1/6 slow reverse, sixth for 1/7 slow reverse, seventh for normal playback.

Note: In MP3 and CD, it is not functional.

★ Mode Switch
--- Press [19] (MODE) button to switch to radio mode or playback mode.
REMOTE CONTROL OPERATION

★ SETUP KEY

1. Press \( \text{SETUP KEY} \) of remote control in the stop mode. (Press the \( \text{STOP key twice to ensure the player is under STOP mode.} \)

2. The main page of setup menu is displayed.

3. Select the preferred item by using the \( \text{ARROW keys}. \)

4. Press \( \text{ENTER key}. \)
   
   A. System Setup
   This setup page includes all items of TV system, Screen Saver, TV type, password, Rating & Default features. For detail please refer to SYSTEM SETUP MENU.

   B. Language Setup
   This setup page includes all items of OSD language features. For details please refer to LANGUAGE SETUP MENU.

   C. Audio Setup
   This setup page includes all items for AUDIO. Please refer to AUDIO SETUP MENU.

   D. Video Setup
   This setup page includes all items for VIDEO. Please refer to VIDEO SETUP MENU.

   A. SYSTEM SETUP
   a. TV System

   \[
   \begin{array}{l}
   \text{TV SYSTEM} \rightarrow \text{NTSC} \\
   \text{AUTO PLAY} \rightarrow \text{PAL} \\
   \text{VIDEO} \rightarrow \text{AUTO} \\
   \text{TV TYPE} \rightarrow \text{PASSWORD} \\
   \text{RATING} \rightarrow \text{DEFAULT} \\
   \text{EXIT SETUP} \\
   \end{array}
   \]

   This player can play disc recorded in either PAL or NTSC format. Select NTSC format when you connect to NTSC TV. Select PAL format when you connect to PAL TV. Select the format (PAL/NTSC) according to your TV system.

   b. Auto Play

   \[
   \begin{array}{l}
   \text{TV SYSTEM} \rightarrow \text{ON} \\
   \text{VIDEO} \rightarrow \text{OFF} \\
   \text{TV TYPE} \rightarrow \text{PASSWORD} \\
   \text{RATING} \rightarrow \text{DEFAULT} \\
   \text{EXIT SETUP} \\
   \end{array}
   \]

   Select the SCREEN SAVER output ON/OFF.

   c. Video

   \[
   \begin{array}{l}
   \text{TV SYSTEM} \rightarrow \text{INTERLACE/4:3} \\
   \text{VIDEO} \rightarrow \text{TV/RGB} \\
   \text{TV TYPE} \rightarrow \text{PASSWORD} \\
   \text{RATING} \rightarrow \text{DEFAULT} \\
   \text{EXIT SETUP} \\
   \end{array}
   \]

   Note: This function is invalid for this model

   d. TV Type

   \[
   \begin{array}{l}
   \text{TV SYSTEM} \rightarrow \text{4:3 PS} \\
   \text{VIDEO} \rightarrow \text{16:9} \\
   \text{TV TYPE} \rightarrow \text{433-LB} \\
   \text{PASSWORD} \rightarrow \text{16:9} \\
   \text{RATING} \rightarrow \text{DEFAULT} \\
   \text{EXIT SETUP} \\
   \end{array}
   \]

   1. 4:3 PS
   Played back in the PAN & SCAN style. (If connected to wide-screen TV, the left and right edges are cut off.)

   2. 4:3 LB
   Played back in LETTERBOX style. (If connected to wide-screen TV, black bands appear at top and bottom of the screen.)

   3. 16:9
   Select when a wide-screen TV set is connected.

   e. Password

   \[
   \begin{array}{l}
   \text{TV SYSTEM} \rightarrow \text{AUTO PLAY} \\
   \text{VIDEO} \rightarrow \text{PASSWORD} \\
   \text{TV TYPE} \rightarrow \text{RATING} \\
   \text{RATING} \rightarrow \text{DEFAULT} \\
   \text{EXIT SETUP} \\
   \end{array}
   \]

   Enter the password and press ENTER button. Type the old password (The initial factory code is 0000) and key in 4 characters password now you want to use, and type again to confirm.

   f. Rating

   \[
   \begin{array}{l}
   \text{TV SYSTEM} \rightarrow \text{1 KID SAFE} \\
   \text{AUTO PLAY} \rightarrow \text{2 G} \\
   \text{VIDEO} \rightarrow \text{3 PG} \\
   \text{TV TYPE} \rightarrow \text{4 PG13} \\
   \text{PASSWORD} \rightarrow \text{5 PG-13} \\
   \text{RATING} \rightarrow \text{6 R} \\
   \text{DEFAULT} \rightarrow \text{7 NC-17} \\
   \text{EXIT SETUP} \rightarrow \text{8 ADULT} \\
   \end{array}
   \]

   Select suitable guidance rating by the cursor button and confirmed by pressing \( \text{ENTER key}. \)

   Rating 1:[KID SAFE]
   Select this when the program are safe for all kids to view.

   Rating 2:[G]
   Select this that allows admission to all ages.

   Rating 3:[PG]
   Select this that needs parental guiding.

   Rating 4:[PG13]
   Select this when children under 13 are forbidden to view.

   Rating 5:[PG-R]
   Select this when children under 13 must be guided by their parents.

   Rating 6:[R]
   Select this when children under 17 must be guided by their parents.

   Rating 7:[NC-17]
   Select this when children under 17 are forbidden to view.

   Rating 8:[ADULT]
   Select this only allows admission to all adults.
REMOTE CONTROL OPERATION

G. Default

- TV SYSTEM
- AUTO PLAY
- VIDEO
- TV TYPE
- PASSWORD
- RATING
- DEFAULT
- EXIT SETUP

B. LANGUAGE SETUP
Select the preferred OSD Language, Audio Language, Subtitle language and Menu Language by using the ARROW keys.

- OSD LANGUAGE
- AUDIO LANGUAGE
- SUBTITLE LANGUAGE
- MENU LANGUAGE
- EXIT SETUP

D. MENU Language

- OSD LANGUAGE
- AUDIO LANGUAGE
- SUBTITLE LANGUAGE
- MENU LANGUAGE
- EXIT SETUP

C. AUDIO SETUP

SPDIF/PCM:
Analog or optical output port has no output signal at all.

- AUDIO OUT
- SPDIF/RAW
- SPDIF/PCM

SPDIF/RAW:
When the player is connected with the power amplifier by the analog or optical port, please select this item when the playing disc is recorded in Dolby Digital, DTS or MPEG. The power amplifier you connected must have decode function for Dolby Digital, DTS or MPEG.

This is to activate the audio output from SPDIF/OFF mode to SPDIF/RAW mode or SPDIF/PCM mode.

- AUDIO OUT
- SPDIF/RAW
- SPDIF/PCM

b. Contrast

- BRIGHTNESS
- CONTRAST
- HUE
- SATURATION
- SHARPNESS
- EXIT SETUP

b. Key

- AUDIO OUT
- SPDIF/RAW
- SPDIF/PCM

This is to select Treble or Bass according to your needs.

This is for the user to set Brightness, Contrast, Hue and Saturation of the picture by pressing the arrow left/right button.

- BRIGHTNESS
- CONTRAST
- HUE
- SATURATION
- SHARPNESS
- EXIT SETUP

- BRIGHTNESS
- CONTRAST
- HUE
- SATURATION
- SHARPNESS
- EXIT SETUP

- BRIGHTNESS
- CONTRAST
- HUE
- SATURATION
- SHARPNESS
- EXIT SETUP

- BRIGHTNESS
- CONTRAST
- HUE
- SATURATION
- SHARPNESS
- EXIT SETUP

NOTE: Only on TV/AV mode, the Video setup is available.
E. DIGITAL SETUP

- OP MODE
- DYNAMIC RANGE
- DUAL MONO
- EXIT SETUP

This is for the user to set operation mode, dynamic range compression and stereo mode.

a. OP Mode

- OP MODE ➔ LINE OUT
- DYNAMIC RANGE ➔ RF REMOD
- DUAL MONO ➔
- EXIT SETUP

To set the operating modes for Dolby Digital decoder.

b. Dynamic Range

- OP MODE ➔
- DYNAMIC RANGE ➔
- DUAL MONO ➔
- EXIT SETUP

To set the dynamic range compression.

c. Dual Mono

- OP MODE ➔ STEREO
- DYNAMIC RANGE ➔
- DUAL MONO ➔
- EXIT SETUP ➔ MIX MONO

To set the stereo mode.

**TITLE KEY**

--In DVD, VCD playing mode, Press 24 (TITLE) key to show all tracks title on TV screen. Press 4 (◄/►/△/▽) key to choose your desired track number and press (ENTER) key or 2 (►) key 6 start.

*Note: 1. No title display in MP3, CD mode
2. To choose a desired language, press title key.*

**ZOOM KEY**

--In DVD, VCD playing mode, press 25 (ZOOM) key once for 1.5 x Mode, twice for 2 x Mode, third time for 3 x Mode, forth time for 1/2 mode, fifth time for 1/3 mode, sixth time for 1/4 mode.

*Note: NO ZOOM function CD/MP3 playing mode.*

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**INSTALLATION**

Parts List (The numbers in the list are keyed to those in the instructions.)

1. Put in the mounting sleeve.
2. Bend the claws outward for a tight fit.
3. Fasten the rear bracket screws and back side harness, and fix the unit well.

To remove the set, pull the set out from the dash board.
INSTALLATION

Mounting Example ②

This mounting method is used for Japanese cars. The actual mounting method should depend on the types of the cars.

Note: 1. Store small articles that are not accessible to children.
2. Install only with the supplied screws.
3. Installation varies depending on the type of cars and supplied parts. You should have the unit installed by qualified technician.

Detaching the front panel

Be sure to press ① before detaching the Front panel. Press ② to pop the front panel. Take the right end upwards, and pull off the front panel towards you.

Replacing the front panel

First, insert the right side of the front panel into the right side of the main unit and push it until it locks firmly into the main unit, then insert the left side of the front panel into the left side of the main unit and push it until it locks firmly into the main unit.

Precautions

Do not touch the front panel connection on the unit body, since this may result in poor electrical contact. If dirt or dust get on the contacts, wipe them with a clean, dry cloth.

SPECIFICATION

General

- Power Requirement: 14.4DC
- Load Impedance: 4 ohm
- Max Power Output: 60WX4
- Tone Control: +/-8dB (Bass 100Hz, Treble 10KHz)
- Dimension: Approx. 192x178x50mm (DxWxH)
- Mounting Dimension: Approx. 169x182x53mm (DxWxH)
- Weight: Approx. 1.75kg

DVD Deck Section

- Disc Played: DVD/VCD/2.0/MP3/MP4(DIVX/CD/Picture-CD)
- Video System: AUTO/PAL/NTSC
- Mounting Angle: 0 to +/-30°

Video Section

- Video System: 4:3 Letter Box and 4:3 Pan Scan
- Video Output level: 1.0vp-p 75 ohm
- Horizontal Resolution: 500

Audio Section

- Maximum Output level: 2Vrms (+/-3dB)
- Frequency Response: 20 to 20KHz
- Signal-to-noise Ratio: 85dB
- Separation: 80dB

AM Tuner Section

- Frequency Range: 522-1620 (Europe/China); 530-1710 (U.S.A)
- IF Range: 450KHz
- Usable Sensitivity (-20dB): 25dB

FM Tuner Section

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

★ Note: Due to continuous product improvement, specifications and design are subject to change, without notice.
### SIMPLE TROUBLESHOOTING GUIDE

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause/Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power</td>
<td>★ Check the fuse. 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 the antenna is properly connected.</td>
</tr>
<tr>
<td>Poor effect on receiving.</td>
<td>★ Antenna may not have proper length. Make sure the antenna is fully extended. 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>CDs cannot be loaded.</td>
<td>★ A CD 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)</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>Picture distortion</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>
<tr>
<td>Wrong region code</td>
<td>★ Under DVD mode, press “■■” on remote control pad twice, then press arrow→ ← ↑ ↓ on remote control pad, and press NO.PAD 0-6 according to your wanted region. ★ For example, if disc region is 1, press arrow→ ← ↑ ↓ and 1 on the remote control.</td>
</tr>
</tbody>
</table>

★ Press the station for 3 seconds to memories preset station. For example, if a user wants to preset radio frequency FM 88.10 on station 1, just simply press station 1 for 3 seconds when frequency is tuned at FM 88.10.

★ Note: If any of the problem persist, consult your nearest service dealer. Never attempt to disassemble the unit by yourself.