



INSTRUCTIONS



Car multi-media system



Thanks for your patronage !

To appreciate your purchasing our digital car player! In order to use the system correctly ,please read before use and keep this manual ,
for your reference

NOTES ON INSTALLATION

The unit is designed for 12V DC negative ground operation system only .Before installing the unit, make sure your vehicle is connected to DC12V negative ground electrical system

The negative battery terminal must be disconnected before making connections, which can reduce damaging the unit due to short circuit.

Be sure to connect the color coded leads correctly according to the diagram. Incorrect connections may cause the unit malfunction or damage the vehicle's electrical system .





Be sure the connect the speaker(-)leads to the speaker(-)terminal. Never connect the left and right channel speaker cables each other or to the vehicle body.

Do not block vents or radiator panel. Blocking them will cause heat to build up inside and may result in fire.

After the completion of the installation and begin to play the unit(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.

DISCNOTE

This unit can play the following disc disk:

MODE	CONTENT	DISK	SIZE
DVD		Sound and moving pictures	12cm
VCD		Sound and moving pictures	12cm
MP3		Sound only	12cm
MP4/DIVX	MP4/DIVX	Sound and moving pictures (AVI Format)	12cm
CD		Sound only	12cm

NOTE : 1.This unit is compatible with VCD , VCD 1.0/1.1/2.0/3.0 DVCD CD-RW. CD-R . MP4/DIVX,PICTURE-CD Version Disc. But for MP4/DIVX disc ,because there is different version ,so maybe the unit will occur sound only or without sound and moving picture. It's natural

2.The manual conforms to DVD,VCD,MP3and CD, while enjoying DVD,VCD, MP3and CD ,the display will automatically identify the discs and indicate the corresponding words

1. 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

2. Do not work in extreme high or low temperature inside the vehicle, the temperature should be between $+60^{\circ}\text{C}$ and -20°C before turning your unit on.

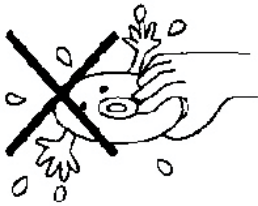
3. To enjoy optimum sound and images while playing, handle the disc as follows:

a. Handle the disc by its edge to keep the disc clean, and do not touch the surface. (Shown as picture)

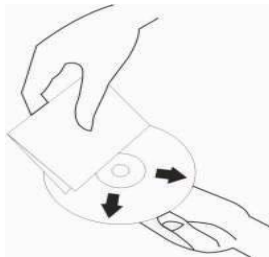


b. Do not use your CDs with paste residue or ink attached.

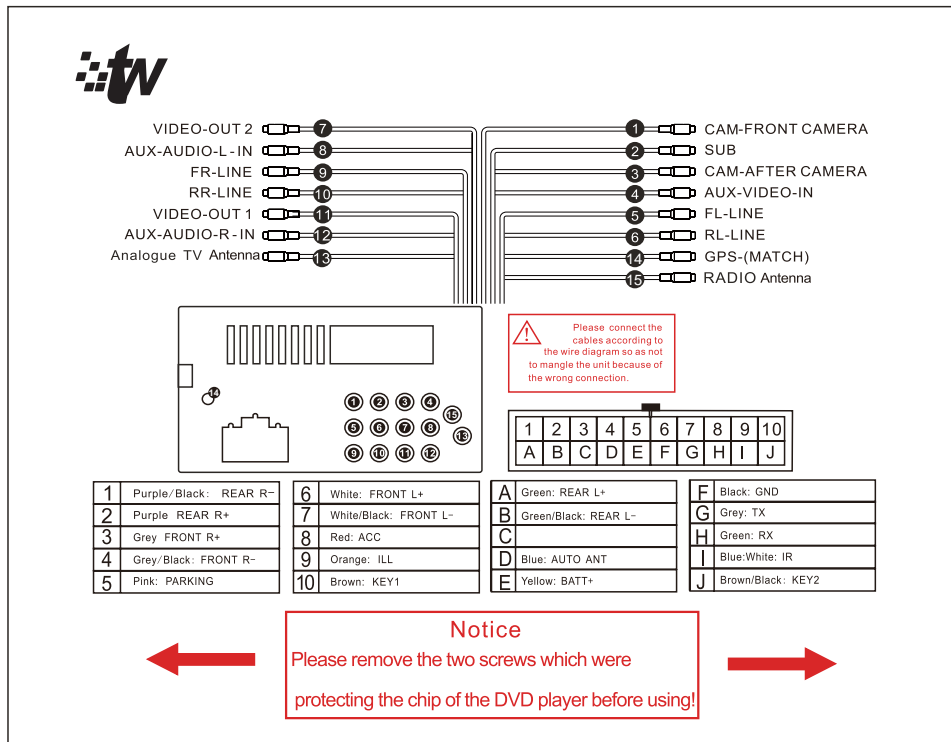
c. Do not use CDs with labels or stickers attached, which may leave a sticky residue while beginning to peel off (Shown as picture)



d. Clean the discs with an optional cleaning cloth. Wipe each disc from the center out. (Shown as picture)



Wiring diagram



red color : ACC ON (+12v)

yellow color: battery positive (+12v)

black color (rough): ground (battery negative)

blue color: ant (Automatic antenna)

Orange/white: ILLUMINATION

Orange color : REVERSE GEAR SIGNAL

Brown color : STEERING WHEEL

Pink : BRAKE CABLES

white/white black: F L speaker the positive / negative

Gray/gray black : FR speaker the positive/negative

green/green black : B L speaker the positive/negative

purple/purple black : B R speaker the positive/negative

1. The main interface and Function

This vehicle multimedia play system can provide a lot of functions, such as Radio, DVD, SD, USB, IPod, TV, GPS, Bluetooth, AV input, Rear view lens and so on. You can touch the functions icon to realize the operation of relevant functions. In different play mode, touch the top left of the screen to enter the main interface as shown on figure



The main interface

- 1) Radio 2) Calendar 3) DVD
- 4) SD 5) Display clock (invalid click)
- 6) TV 7) Display Bluetooth (invalid click)
- 8) Rear view camera 9) Av in put
- 10) Switch to read USB

Note: If there is no any device connection, icons for DVD, USB, SD, IPod and camera Will be in grey indication turn-off and click is invalid in this case

2. Operating area of touch

1. Under the DVD.SD.USB mode, the touch screen is divided into nine areas, but only six areas are functional. Touch area scattering as follows: (Note: when play music, click the left "Track;-/" area , it will flick out the selected songs menu)

A Enter the main interface		B Enter the setting interface
C Previous bend	D Ball take place controls the implement strip interface	E Next bend
		F Ball take place search interface

2. When you play iPod video, the touch area scattering as follows:

	<i>A</i>	
<i>B</i>	<i>C</i>	<i>D</i>

A: pause. Play

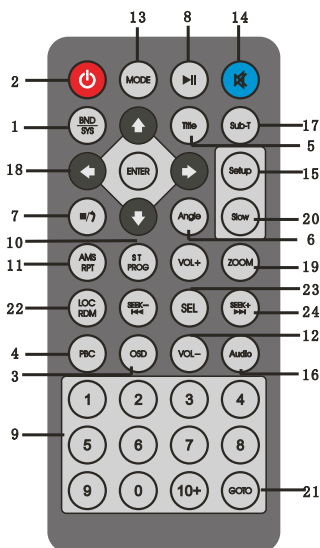
B. D: previous and next bend, iPod needs the seamless link function

C: wait for an interface till looking at screen playing from looking at screen

3. When simulating TV playing

<i>A</i> Search for previous	<i>B</i> Return to listing interface	<i>C</i> Search for the next
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3. Remote control operation



Basic operations–Remote controller

Installing the lithium coin battery (Cr2025)

Before using the remote control:

- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).

Warning: To prevent accidents and damage

- Do not install any battery other than CR2025 or its equivalent
- Store the battery in a place where children cannot reach.
- Do not recharge, short, disassemble, or heat the battery or dispose it in a fire.
- Do not poke the battery with tweezers or similar tools.
- Wrap the battery with tape and insulate when throwing away or saving it.

1. under radio condition, press this button to choose wave brand and under VCD, DVD condition press this button to choose AUTO PAL or NTSC system.
2. POWER press POWER button, the machine will be power-off ; Press again, the machine will be power-on
3. OSD Press the OSD button, the relative information of the disc will be displayed on the monitor.
Type of Disc, title, chapter, play time, remaining time, played time remaining time of the disk
4. PBC When playing DVD disc, press MENU once to return to sub-menu. Press MENU again to return to the main menu. (for some remoter controll without PBC button, it works as PBC when playing VCD)
5. TITLE When playing DVD disc, press TITLE to return to main title page.
6. ANGLE When playing the disc with multi-angle, it's convenient to change the view angle.
7. S When playing DVD, VCD, CD disc, press STOP once, the unit will memorize the previous ending point. Press PLAY button to go on playing. Press STOP for the second time to stop the play and end the memory.
8. K When playing the disc, press PLAY/PAUSE once to pause, press PLAY/PAUSE again to return to normal play ; Press this button to AUTO-browse picture under the condition of playing picture.

9. (0-10+) When playing VCD, CD disc, after loading the disc, use the digit key to select the desired track or chapter directly. Press 10+ key and then another digit key to select the track which number is 10 or more than 10.

You can press the digit keys at PROGRAM and MENU selection.

10. Press this button to choose the stereo or monophonic station under the radio mode, you can edit the content you like in the programming mode under the DVD/CD playing status.

11. Press this button to browse the station under the radio status and repeat play under the play back status.

12. VOL-/VOL+ Press VOLUME + to adjust volume up, Press VOLUME - to adjust volume down.

13. Press the button to choose the source you need in turn of TUNER → DISC(DVD/VCD/CD) → AUX → TV → GPS → SD → Camera

14. MUTE Press MUTE button, no sound will give out and the mute symbol will display on the monitor. Press MUTE again, MUTE OFF will display and the sound will be resumed.

15. Press this button to switch among different setting item.

16. AUDIO When playing DVD with more than one audio stream, press AUDIO to select you desired. . . ,

17. SUBTITLE When playing the disc with multi-subtitle, press SUBTITLE continually, the subtitle changes in a circle, you can select one.

18. UP DOWN LEFT RIGHT AND ENTER KEY. This button can move the cursor from up down left and right position to choose the item of the system setup menu. You can press left and right key to switch the music, picture and film of the SD card and USB when playing.

19. ZOOM When playing DVD, VCD disc, Picture press ZOOM to zoom in or zoom out the picture. In zoom in mode, press up/down/left/right to move the picture for viewing. The picture can not be moved in zoom out mode.

20. Press this button to turn slowly into 1 / 2 times, 1 / 3 times, 1 / 4 times, 1/5 times, 1/6times and 1/7 times.

21. GOTO Press GOTO button to select title time, chapter time, track time to play. You can use the digit keys input the goto time. And then press ENTER to start the playing

22. Press this button to switch between long-distance and short-distance under the radio status and random play under the VCD and DVD playing status

23. Press this button to choose the mode of setup options of the audio characteristic

24. When playing DVD disc, press PREV/NEXT to the previous chapter.
When playing VCD, CD disc, press PREV/NEXT to the previous track.

4. Radio

Touch Radio icon in main interface or press mode key on panel/SRC key on remote controller to switch to radio function.

Radio interface when RDS is turned on shown as figure:

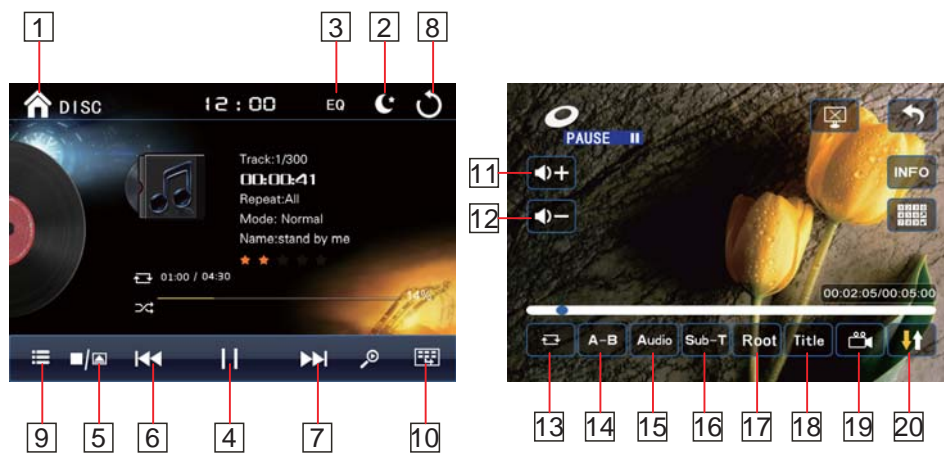


1. Screensaver
2. Press speaker icon to get EQ screen
3. Back to last interface
4. Back to main menu
5. Press to find station Upward
6. Press to find station downward
7. PS/AS: Press to find station automatically, for strong signal press the key ten seconds, press it a little longer to find it manually, after finding ten strong signal stations, press Ps once to save it into the list
8. Press to search radio with the strongest signal for ten seconds, Press again for cancelling
9. LOC. DX. Stereo sound indicator and AF, TA, TP, REG display (invalid click)
10. Scan the radio station automatically
11. Switch to RDS band

5. Play DVD/VCD Disc

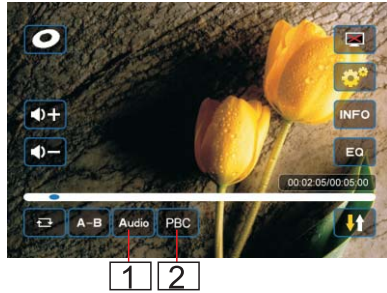
Open the TFT display, insert DVD disc into disc inlet slightly, the disc will be suctioned into the device automatically, the system will automatically read disc and the screen will display directory menu contained in DVD disc. In the disc view screen during playback, touch screen operation instructions light touch-screen operation region

1. Touch Area D in right center of the touch screen, the system will pop up a play control menu shown as Figures



-
- 1) Click the key to enter main interface
 - 2) Screensaver
 - 3) EQ button : Pop EQ setting interface
 - 4) player /pause
 - 5) stop button : (click one time for stop at breakpoint with memory, click again to stop completely and click for 3s to eject disc automatically)
 - 6) Click to select previous section (item) / long press backward
 - 7) Click to select next section (item) / long press fast forward
 - 8) Back to last page
 - 9) Show all the songs
 - 10) Will display a keyboard.then it can be switched to the track directly
 - 11) Volume up
 - 12) Volume Down
 - 13) repeat play (for each click ,it will switch among repeat section ,repeat title, repeat all and turn off repeat in turn)
 - 14) repeat and play section(click for first time to select starting point A, click for second time to select end point B, the system will repeat and play section between A and B. Click for third time, function of repeat and play section will be turn off)
 - 15) AUDIO button for sound track switch (for DVD disc play, it will switch among different languages and soundtracks. If there only one sound track contained in DVD disc, and then click will be invalid)
 - 16) button for caption switch (if there are different caption information in DVD disc, click the key to make switch among captions in different languages in play)
 - 17) Click the button to enter primary menu of the disc
 - 18) Click the button to enter title menu
 - 19) Angel switch button (supported by disc)
 - 20) Page button (if you are on the second page, the click the key to get back to the first page)

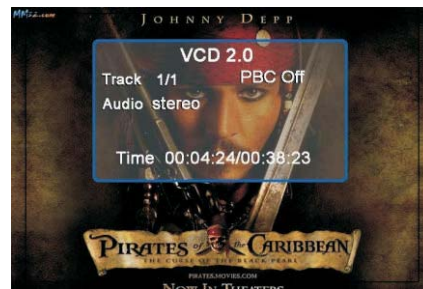
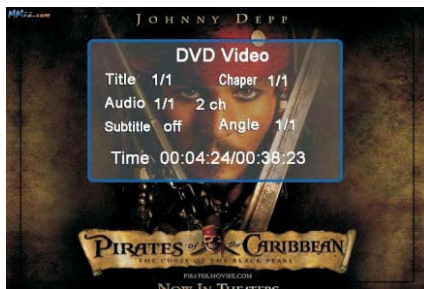
- 1 Play VCD disc,click the D district of touch screen, It will pop control tool interface



- 1) Click the button at playing DVD can switch using sound from left right, or both)
- 2) Click the key to turn on/off PBC function.This function only available on CD with VCD2.0 program.

Note:Other VCD functions are the same with functions on DVD menu.

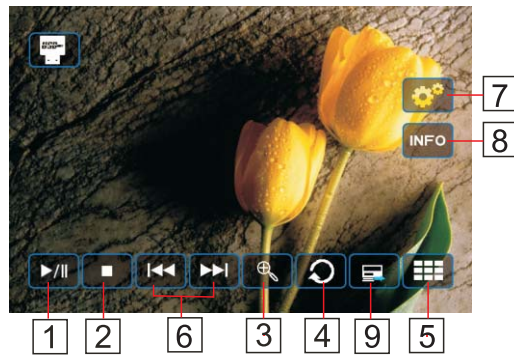
1. play DVD、VCD disc



2. DVD (GOTO SEARCH) in DVD/VCD disc play, it can fast reach designated position for play with GOTO SEARCH function, Click Area F at left bottom of the touch screen/ SEARCH key in remote controller to enter search function ,the screen will disappear digital keyboard . Click the cursor of the touchscreen location, in appeared of the figure keyboard to enter numbers and confirm ok . The system will transfer to designated position for play .



5. **JPEG document play:** the system support JPEG document, Click Area D at touch-screen , it will pop control menu .



JPEG interface introduction :

- 1) play/pause 2) stop key
- 3) button for amplifying picture can amplify until 3x
- 4) Rotate picture 5) Current picture and total number
- 6) Page up and page down 7) Setting
- 8) Picture information 9) Select Different way to browse the pictures

6). CD/MP3/WMA disc . MP3 . multi-format interface

The user can directly click items displayed in the play interface for selection and play ,also you can click Area Track 1/16 at touch-screen to pop numerical keyboard .



Display list. Showing song title, clock, and by pressing Track:-/,can show song menu that have been selected .

-
- 1) play/pause
 - 2) CAN search play: Click the button, the system will begin from current song play 10 second automatically .
 - 3) stop button : (Click once for stop with memory, click once again for full stop)
 - 4) click to select previous section (item);
 - 5) click to select next section(item);
 - 6) Songs list
 - 7) playing status(can play shuffle, scan, and show repeat play status)
 - 8) switch to audio file directly
 - 9) switch to picture file directly
 - 10) switch to video file directly

Note: when playing video file for multi-format disc ,you have to click area D at touch-screen (in the center of touch-screen),it will pop control tool button, press STOP button (or press STOP button in the remote directly),return play list interface to select other playing file;

6. USB、SD PLAY

When the device is under running state, After connecting to USB/SD, Click USB icon at main interface or press remote controller、MODE key in panel select USB button, then you can inter into USB playing state. When under video playing , touch-screen operation reference .

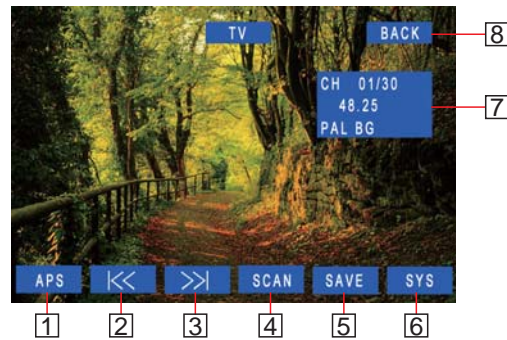
Touch-screen operation region shows: when under audio playing ,all button reference disc. CD、WMA、MP3 interface ;

7. iPod play :

Click video button(show as key 1), Switch to the iPod video player expectation interface ,at the same time you have to operate iPod for working. . under video interface, Click center location, you will come back to video player expectation interface .



8.TV



Analog TV: Click TV icon in main interface, press MODE button in panel /

SRC button in remote controller to switch TV receiver interface :

TV interface introduce:

- 1)Search TV channel antomatically
- 2)last TV channel
- 3)next TV/and save channel
- 4)manul search
- 5)save TV channel manully
- 6)change TV system
- 7)display current TV channel information
- 8)back to main menu

9. Bluetooth function operation:

Enter to the main interface system. Choose Bluetooth module or press MODE key switch on the Bluetooth interface.



Introduce Bluetooth interface: Bluetooth state instructions: when the machine and mobile connection .this Icon fixed display. If not , Icon flashing.

- 1)backspace key, cancel number key.
- 2)calling key
- 3)phone book
- 4)BT phone mode
- 5)BT music mode
- 6)Hang-up key
- 7)refresh phone book list

10. AUX IN (Auxiliary device input)

Enter the interface system, choose AUIN module or press SRC key in panel switch to the auxiliary equipment input mode.

AUIN functions can be external media sources access system, such as vidicon , PSP 、 walkman、 outer navigation box (Remote control) . No signal when the boot screens display.

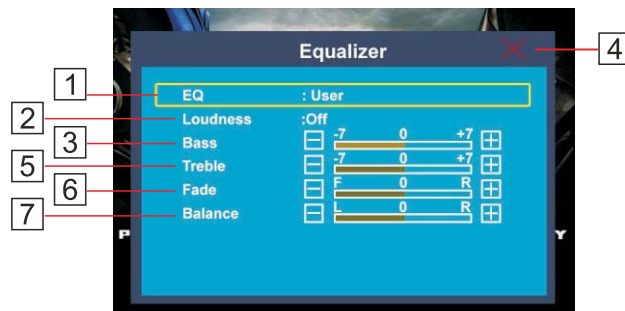
11.Rear view lens.

1.Enter the interface system, when use the rear view mirror, choose the rear view lens module or click the camera key on the panel switch to the input mode directly. (note: without volume when reverse)

2. If connect the reverse, when reverse is over, the system will come back to previous mode.

12.EQ setting interface instruction:

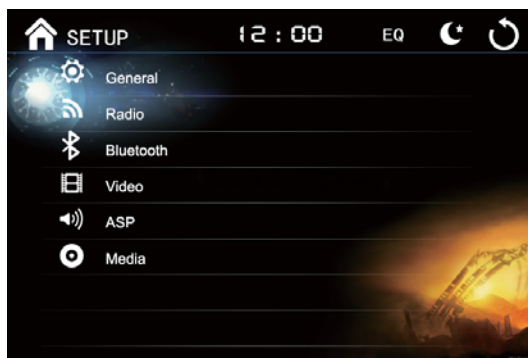
click the icon EQ in the menu or SEL key in remote control.



-
- 1) Adjust EQ type: press left arrow or right arrow, choose set Sub's bass Middle treble' value. (-7~7)
 - 2) Loud: setting loudness on/off
 - 3) Bass: click "-/+", setting different value (-7~ +7), the greater value is, the more prominent bass is.
 - 4) Exit EQ setting interface.
 - 5) Treble: click click "-/+", setting different value (-7~ +7), the greater value is, the more prominent treble is.
 - 6) Click "-/+": setting Fader's loudspeakers input balance. a) Adjust to defeat, is means input of loudspeakers more and lower. The rear input remains unchanged. b) Adjust to direction aspect and then contrary.
 - 7) Click "-/+": setting balance's loudspeakers input balance. a) Adjust to defeat, is means input of loudspeakers more and lower. The rear input remains unchanged. b) Adjust to direction aspect and then contrary.

13. System setting

When the machine is under playing state. Click **SETUP** above ASP setting , video setting general setting radio and media setting . Select relevant argument according to your desire.



1. ASP setting: At system setting interface. Click ASP icon enters below interface. Select relevant parameter to loudspeaker setting and your desire.

-
- 2) Video setting : At system setting interface. Click ASP icon enters below interface.
Select relevant parameter to loudspeaker setting and your desire.
 - 3) General setting: At system setting interface. Click general icon enter below interface. Select relevant parameter to loudspeaker setting and your desire.
 - 4) Each source setting
1. Rdio 2. Disc 3.disc box 4.USB 5.iPod 6.TV 7.Navigation
8.bluetooth 9.Extral output 10. Rear view lens
 - 5) Return key

1) ASP SETTING



SETTINGS	OPITIONS	SPECIFICATION
BASS cent Freq	<i>60Hz/80Hz/100Hz/200 Hz</i>	According to the loudspeaker features and the types of audio and video source, choose the right BASS cent freq. So as to adjust the dynamic range of sound performance.
BASS Q Value	<i>1.0, 1.25, 1.5, 2.0</i>	After select BASS cent freq. by adjusting BASS Q value different sharpness of bass output can be achieved. The great value is, the more prominent bass is.
BASS DC Gain	<i>On/Off</i>	On/off. of BASS DC gain
MID cent freq	<i>500Hz/1KHz/1.5K Hz/2.5KHz</i>	According to the loudspeaker features and the types of audio and video source, choose the right MID cent freq. So as to adjust the dynamic range of sound performance.
MID Q value	<i>0.5, 0.75, 1.0, 1.25</i>	After select MID cent freq. by adjusting the value of the Q factor different sharpness of bass output can be achieved. The great value is, the more prominent MID is
TREB cent freq	<i>10KHz/12.5 KHz/15 KHz/17.5 KHz</i>	According to the loudspeaker features and the types of audio and video source, choose the right TREB cent freq. So as to adjust the dynamic range of sound performance
LOUD cent freq	<i>400Hz/800Hz/2400 Hz</i>	According to the loudspeaker features and the types of audio and video source, choose the right LOUD cent freq. So as to adjust the dynamic range of sound performance.
Power on VOL	<i>Fixed/Last Vol</i>	Volume setting after power is on. Choose fixed to open setting of fixed VOL. last vol is the volume of previous startup
Fixed VOL	<i>10~30</i>	Select certain fixed volume according to your desire

2) VIDEO SETTING



SETTINGS	OPITIONS	SPECIFICATION
Camera image	<i>Fill/Original /Auto Fill/Pan Scan</i>	Full screen/Real size/Automatic full screen
View mode	<i>Normal/Mirror</i>	Switch to mirror image display for input image from real-view camera

3)General SETTING



SETTINGS	OPITIONS	SPECIFICATION
language	English/French/Chinese/Russian	Choose menu language as your desire
beep	On/off	Set the operation sound: on/off
Screen saver	On/off	When DVD-R SD USB stop play about 5minutes,screen protected
Default setting	Yes/no	Select "yes"to restore factory defaults.

4)RADIO SETTING



SETTINGS	OPITIONS	SPECIFICATION
REGION	<i>USA / Europe / China / OIRT</i>	Choose the radio standard of your country

5). When Disc is under playing state, click the screen's D area, the system will pop up a play control menu, click the key **SETUP** to enter the system setting interface. Then click the Media key to enter the interface shown as Figure



SETTING	OPTIONS	SPECIFICATION
Enter password		Enter the correct password to open the child lock
Parental control	Kid Safe/G/PG/PG-13/PG-R/R/NC-17/Adult	Select child lock level, you can choose a variety of grades
Subtitle	English/French/Spanish/Auto/Off	Select subtitles in the default languages
DIVX Subtitle	ASCII/Unicode/UTF8/Turkish/Cyrillic	Select DIVX subtitle in the default languages
Audio	English/French/Spanish	Select language you prefer in the default languages
DVD Menu	English/French/Spanish	Select DVD menu languages you prefer in the default languages

Note: The Setting of USB, SD Are same with DVD setting.

Child lock also called parents lock, some DVDs have the parents lock function, children's films will be limited to the appropriate level by using this function.

6) .Bluetooth Setting

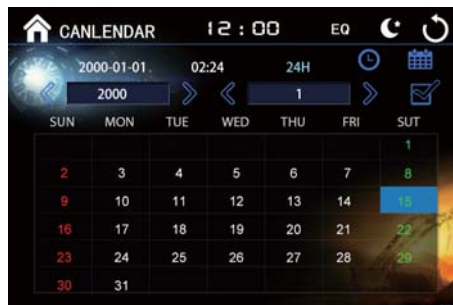
Under Bluetooth mode, enter system menu interface, click Bluetooth again to set menu shown as Figure




SETTING	OPTIONS	SPECIFICATION
Bluetooth	ON/OFF	It can not match with the telephone when Bluetooth is Off,
Auto Connect	ON/OFF	Switch ON or OFF Auto connection for Bluetooth
Auto Answer	ON/OFF	Switch ON or OFF Auto answer via Bluetooth

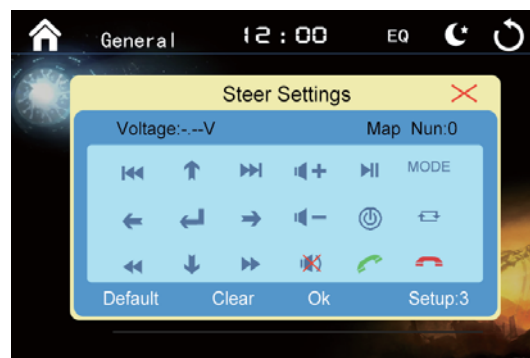
14:CALENDAR/Time setting



- 1.Time Format
- 2.Year
- 3.Month
- 4.Save
- 5.Day
- 6.Touch this icon to set the time



15: The steering wheel interposes the operation step

1. Correct connection the machine steering wheel control line and car steering wheel control line
2. Steering wheel key setting, adopt the way studying to be in progress interpose, first click the screen  ->Be used universally interpose->Steering wheel interpose, enter the steering wheel setting menu, setting method as follows:



First click the car steering wheel's function key (such as VOL+), behind the setting menu's Voltage it will show one numerical value, indicate machine have already fetch the VOL+ parameter, click ->ok carry out confirmation, then the setting menu's Map Num will show numerical value one, indicate that one function key has already finished, others function key's setting was the same, click Clear can revise the function key which is setting a short while ago ,click Default will clear away the whole parameter which already finish interposing, click  escape setting menu and finish the steering wheel's function setting.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.