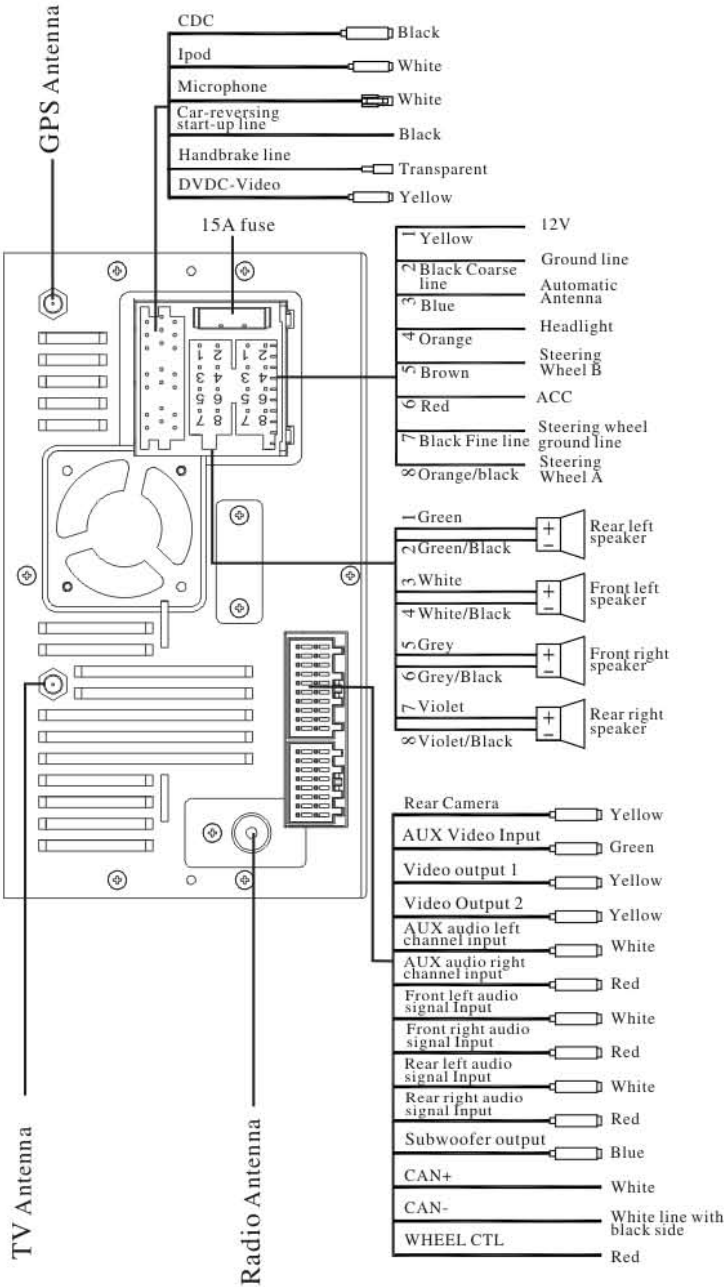# CAR MULTIMEDIA PLAYER

OWNER'S MANUAL

CAR Entertainment System

Contens

Wiring diagram

GPS Antenna

CDC — Black
Ipod — White
Microphone — White
Car-reversing start-up line — Black
Handbrake line — Transparent
DVDC-Video — Yellow

15A fuse

1 Yellow — 12V
2 Black Coarse line — Ground line
3 Blue — Automatic Antenna
4 Orange — Headlight
5 Brown — Steering Wheel B
6 Red — ACC
7 Black Fine line — Steering wheel ground line
8 Orange/black — Steering Wheel A

1 Green — Rear left speaker
2 Green/Black
3 White — Front left speaker
4 White/Black
5 Grey — Front right speaker
6 Grey/Black
7 Violet — Rear right speaker
8 Violet/Black

Rear Camera — Yellow
AUX Video Input — Green
Video output 1 — Yellow
Video Output 2 — Yellow
AUX audio left channel input — White
AUX audio right channel input — Red
Front left audio signal Input — White
Front right audio signal Input — Red
Rear left audio signal Input — White
Rear right audio signal Input — Red
Subwoofer output — Blue
CAN+ — White
CAN- — White line with black side
WHEEL CTL — Red

TV Antenna

Radio Antenna

Mode Switch	Image adjustment	Setup Key	Hang	MIC	GPS / TF Card Slot	Reset Switch	Enter Key	USB Slot	Track/Search	PIP
SRC	DIM	SETUP	☎	MIC	GPS TF	RST	ENTER	USB	▲ ▼	PIP

Eject Button	GPS Navigation	Radio	Volume+/Volume-	Power/Mute	DVD Key	Answer	GPS Card Slot	SD/MMC Card Slot	Remote Sensor	AUX Input
◄	NAVI	FM/AM	VOL	PUSH PWR/MUTE	DVD	☎	GPS CARD	SD CARD		AUX

3

Main Menu:
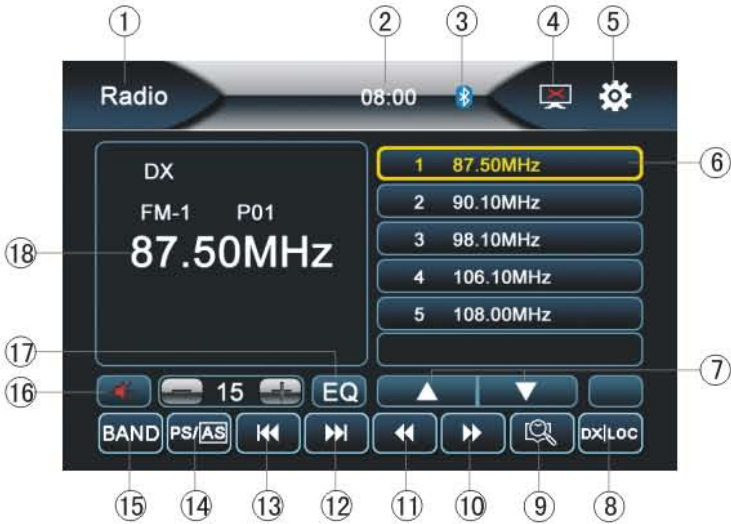
This product has radio,DISC,USB,IPOD,Bluetooth,AUX In,Camera entertaiment system.press each function can enter relevant operation.
In each mode,press top left of the touch screen can enter to main menu.

Introduce main menu:

Remark:without cable or disc for function:DISC,USB ,IPOD,Camera,the icon will show gray color.

Radio:

4

1.Source Selection Button (click it to return to the main interface)

2.Current system time (invalid)

3.Bluetooth status display (invalid)

4.blank screen

5.Click on this button to enter the system menu settings

6.Preset radio frequency Click it to select the radio, long press to store radio stations (10 stations frequency can be stored for each band)

7.Page Up / page down Contents

8.Click on this button to turn to next page for menu settings shown in picture

9.Click on this button, the system will automatically play 10 seconds of full-band effective stations with relatively strong radio signal. Play again, click cancel.

10.Click on this button to turn to high-frequency by fine-tuning

11.Click on this button to turn to low-frequency by fine-tuning

12.Click on this button to turn to high-frequency by semi-automatic search

13.Click on this button to turn to low-frequency by semi-automatic search.

14.PS / AS function,Click on this button to scan radios automatically, Hold on this button for 3 seconds, the system will switch to station scanning automatically.

15.Click on this button to switch radio band

16.Click on this button to gradually increase/decrease the volume

17.Click on this button to enter EQ menu

18.Current band and frequency display (invalid)

Introduce touch screen operation area ：

Touch screen will divided into 9 zone ,but just has 6 zone can workable in DVD/VCD playing mode .

The area as following:

A zone,press for enter main menu.

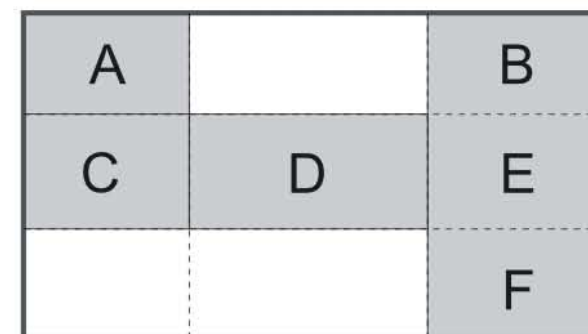B zone,press for enter relevant setup menu.

C zone,press for select previous track.

D zone, press for enter function keyboard

E zone,press for select next track

F zone,press for search menu,the number keyboard will show on screen you can control the player by keyboard.

DVD Playback

Place the disc gently into the disc slot, the disc will be sucked into the unit automatically, after disc reading, the screen will display the menu, the user can directly click the options of it for playback, language settings, sound select, chapter select and so on.

During the disc playback, click A section of touch screen, the system will return to main interface, click D section of touch screen, the menu will pop up.

1.Play / Pause

2.Stop in / out disc (click once for breakpoint memory stop, click again to full stop, hold on it for 3 seconds, the disc ejects automatically)

3.Rewind button (click once for switching among 2,4,8,16 different speed mode)

4.Fast Forward （click once for switching among 2,4,8,16 different speed mode）

5.Segment playback (click once to select starting point A, click twice to select destination B, the system will repeatedly play segment between the A-B at this time, click once again to turn off the playback.)

6.Click it to select the previous chapter (track)

7.Click it to select the next chapter (track)

8.paging button (click on this button to turn to another page menu)

9.Click on this button to enter playback information, click again to cancel

10.exit button (click on this button to exit the menu)

11.Click on this button to enter the system menu settings interface

12.Click on this button to enter EQ settings interface

13.Click on this button to enter the main interface

14.Click on this button to enter the CD-ROM main menu,

15.Click on this button to enter the subtitle menu

16.Angle switch button (need disc support)

17.Sound track switch button

18. Subtitle switch button (if DVD contains a variety of subtitles, click this button to switch among different languages subtitles during playback)

19. Repeat Play (click to switch among section repeat, title repeat, all repeat, turnoff repeat)

20. Image zoom in (click to switch among 1,2,3 times)

21. Paging Button

VCD CD player

Place the disc gently into the disc slot, the disc will be sucked into the unit automatically. The system will automatically switch to VCD playback mode. During the playback, click on the A section of touch-screen to return to the main interface, click on the D section of touch screen, the system will pop up the menu.

The above menu is the same with the DVD's, as for the PBC function, only VCD2.0 discs work out.

Note: The above functions can also be operated on the remote control

Search Play

IN DVD and VCD playing mode, play quickly the desired playing position through the search function.

Click the lower right F section of touch screen or press GOTO button on the remote control to enter the search function.

Clicks the arrow keys on the remote control to select the cursor position of touch screen, input numbers and click ◢⏎ to confirm, Or Click cursor position of touch screen to enter the numeric keypad, input numbers to click?⏎ to confirm, or click ? ← to clear figures forwards. After the confirmation the system will automatically switch to the desired position designated by the cursor position for playback.
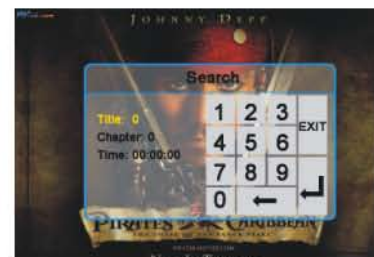
DVD disc   VCD disc

CD/MP3/WMA disc Playback

Open TFT screen, place the disc gently into the disc slot, the disc will be sucked into the unit automatically, the system will put the TFT screen to a fit position for watching. After disc reading, the screen will show CD or MP3 playing interface and automatically read the disk content, the user directly click tracks showed on the screen to play. Click numeric keypad at the right side of touch screen to enter track numbers to play

Interface Introduction

1. Source selection button, click it to return to main interface

2.The current system time

3. Bluetooth state diagram

4.TFT LCD OFF button.
   Click it to enter power-saving mode and turn off the screen; click again on any position of touch screen to exit screen off mode.

5.Menu Settings button

6.Track name

7. Tracks list paging button

8.Click it to return to the previous folder

9.SCAN Search play: Click this button, the system will automatically scan the first 10 seconds of each song to play

10.Random play: Click this button to play any track at random

11. Repeat play button (each click to repeat the song, repeat all tracks of the entiredisc, rotate between repeat play)

12.Fast-forward button (click once for switching among 2x,4x,8x,16x different speed modes)

13. Rewind button (click once for switching among 2x,4x,8x,16x different speed modes)

14. Stop button (click once for breakpoint memory stop, click twice for full stop), press for more than two seconds to switch to OPEN state, the disc ejects automatically

15.Play / Pause button

16.Volume Button

17.EQ button, click it to enter the EQ Settings interface, Set the relevant parameters on the touch screen in accordance with your preferences

18. Playing time of current tracks

19. Current tracks and the total disk tracks

20. Display the current playing mode.

21. Display the current repeat mode

22.Tracks selection

23. ID3 information display (play Mp3)

USB play instruction:
   When the unit is on, connect with the USB, switch to USB playing mode on main interface, when the unit is off, after USB connection, the playback source switches to USB playing mode by clicking the SRC button on the

front panel or the remote control after the unit is on, you can also press A section of touch screen to enter main interface ,then click the USB icon to switch to USB playing mode.

Touch-screen operation

   In USB playing mode, operation function buttons of touch screen are shown as follows. USB playing interface is very similar to CD/MP3's, its operation function buttons are basically the same with CD/MP3. Please refer to instruction of CD / MP3/WMA CD playing mode.

SD playing instruction:
   When the unit is on, place SD card into SD card port and switch to SD playing mode on main interface. When the unit is off, after inserting the SD card, the playback source switches to SD playing mode by clicking SRC button on the front panel or the remote control after the unit is on.
Press A section of touch screen to enter main interface, then click SD icon to switch to SD playing mode.

Touch-screen operation

   In SD card playing mode, touch screen function buttons shown as follows. SD card playing interface is very similar to CD/MP3's, its touch-screen operation function buttons are basically the same with CD/MP3's. Please refer to instruction of CD / MP3/WMA CD playing mode.

IPOD Playing instruction:

Ipod, released by APPLE, is a high-capacity media player using Toshiba's 1.8-inch disk sheet hard disks as storage medium. With as much as 2-40GB, store up to 10,000 on CD-quality MP3 music or video files, it has also perfect management procedures and innovative operations, innovative appearance. One of several hardware products by APPLE spanning PC and Mac platform. In addition to MP3 playback, audio and video files playback, ipod can also be used as a high-speed mobile hard disk, displaying contacts, calendar and tasks, as well as plain text e-book reading and listening to audio books by Audible

The system has an access to Ipod and plays different types of files. Confirm ipod connection, and enter main interface, click the ipod modules to enter ipod playing interface shown as follows, the detailed operations are similar to CD MP3's, in video playing mode, click [▥] button, referring to the relevant ipod instructions to play video, you can watch video on the screen of the unit.

Bluetooth Function

The system features Bluetooth hands-free communication function. if your mobile phone equips with Bluetooth function, you can set up point-to-point link with the system, dialing, answering phone, as well as playing music and other functions on the screen, Operations as follows:

1. Turn on the Bluetooth function: Enter into the general menu settings, the Bluetooth icon is flashing, indicating Bluetooth is not pairing yet. Meantime, turn on your phone's Bluetooth function.

2. Pairing: Click the Bluetooth function on the main interface of the system. Enter into the Bluetooth hands-free interface, click "Pair" button, meantime, turn on the phone for searching new device. When the system is linked to the phone signal, an option prompted: " Link with the device or not", press "Yes" on the phone and input the password "0000" to confirm, when the system is linked to the mobile phone, the Bluetooth icon on the screen is no longer flashing, otherwise, please try again until a successful link.

3. Make call: Input the phone numbers by on-screen button, and press the green button [📞], the system will turn voice call into car speaker system, you can hear the dialing tone and voices from the other side in the car speak system. When call completed, press the red button [📞] to hang up or directly hang the mobile phone up. During call process, click switch button [⇄], voice calls can switch freely between the car speakers and mobile phone to ensure the information security of your call.

4. Answer call: When an external telephone is incoming, in any mode, the system will automatically switch to a Bluetooth hands-free interface, and mute the original sound to play incoming ring tone, if answering mode set to" automatic ", the system will automatically connect to the phone. If set to "Manual", press the interface button [📞] [📞] to accept or reject the call. During call process, click switch button [⇄], voice calls can switch between the car speakers and mobile phone to ensure the information security of your call. The incoming phone number will be displayed in the information box.

5, Play phone music: Press the play button on the interface to play music stored in your phone.

Close LCD screen

When driving at night, to protect driver's vision and secure safe driving. In a non-video screen, click OFF [✕] button on the screen, the system will turn off the screen, but keep the original sound play. Click any position of touch screen or press any button on the panel to exit from the power-saving mode

DTV

Enter main interface, select the TV module or directly press SRC button on the panel to switch to DTV receiver Interface:

Choose the city where you are located,then press"Automatic searching" to search for the DTV channels, these DTV programs will be stored automaticlly in the menu of"my program"

（图A）   （图B）

AUX IN (Auxiliary input devices)

Enter main interface, select AUX IN module or directly press SRC button on the panel to switch to auxiliary equipment input mode.

AUX IN function enables u to connect an external media playing source to the system, such as cameras, video game, walkman, and external navigation box (remote control) and so on, when no auxiliary equipment input shown below (picture A):

In AUX IN playing mode, click A section of touch screen to return to main interface.

（PIC. A）   （PIC. B）

Rearview camera

Enter main interface, select rearview camera module or directly press the button on the panel to switch to the rearview camera input mode.

If rearview camera has been installed, the system will show all video images taken by the camera on the screen to ensure the safe car-reversing, If not, shown above (picture B):

System setting

Pressing ⚙ button into setting interface,including ASP setting, Video setting,General Setting,Radio and Media setting,user can choose each setting he wants.

In playing DVD mode,when you click D zone on touch screen, the control manu will show on the system and pressing ⚙ button into setting system interface, then please click DISC button into the interfaces as belows;

Setting	Option
Set Rating Password	---
Parentad Contor	Kid Safe/G/PG/PG-13/PG-R/R/NC-17/Adult
Audio	English/Francais/Spanish/Chinese/Russian
DVD Menu	English/Francais/Spanish/Chinese/Russian
Subtitle	English/Francais/Spanish/Chinese/Auto/Off
Divx Subtitle	Ascll/Unicode/UTF8/Turkish/Cent europ /Cyrillic/ISO8859la

In playing Radio mode,please press ⚙ button into system setting interface, then press Radio button into the interfaces as belows;

Setting	Option
Radio Region	USA/ Europe/ CHINA/OIRT
RDS	On/Off

Bluetooth

In playing Bluetooth mode,please press ⚙ button into system setting interface, then press Bluetooth button into the interfaces as belows;

Setting	Option
Bluetooth	On/Off
Auto Connect	On/Off
Auto Answer	On/Off

In playing system setting interface, please press ASP button into the interfaces as belows;(User can setting the parameter according to favor)

Setting	Option
Bass Cent Freq	60Hz/80Hz/100Hz/200Hz
Bass Q Value	1.0 /1.25/1.5/2.0
Bass DC Gain	ON/OFF
MID Cent Freq	500Hz/1KHz/1.5KHz /2.5KHz
MID Q Value	0.5/0.75/1.0/1.25
TREB Cent Freq	10KHz/12.5 KHz/15 KHz/17.5 KHz
LOUD Cent Freq	400Hz/800Hz/2400 Hz
Power on Vol	Last Vol/Fixed
Fixed Vol	10

In playing system setting interface, please press Video button enter the interfaces as belows;(User can setting the parameter)

Setting	Option
View Mode	Fill/Original/Auto Fit/Pan Scan
Camera Mirror	Off/On

In playing system setting interface, please press General button into the interfaces as belows;(User can setting the parameter according to favor)

Setting	Option
System Time	00:00
Time Format	12hour/24hour
OSD Language	English/Francais/Spanish/Chinese/Russian
Beep	On/Off
TFT Auto Open	NO/ YES/Manual
Screen saver	On/Off
Ts Calibrate	YES/NO
Use Default Settings	YES/NO

GPS Navigation Operation

After startup, press PWR button, switch to GPS mode, (see below) enter the GPS main interface: navigation, settings, entertainment. Insert the SD card with navigation software

After startup, select "Settings" button on the main interface to enter the setup interface, then select "Navigation Settings" button to set the navigation path .

In the navigation settings, Open File, select the navigation application (usually with the extension EXE files), select "navigation software to run automatically at startup" option, the system will run navigation software directly after startup

After Select the navigation application file, exit the interface, click "navigation" button, you can run the navigation software, under the antenna connection, click the GPS monitor button, you can see satellite positioning, dark blue represent positioning satellites, a grid represents a satellite, a gray grid represents receiving the signal but not yet positioning satellites, shown as below.
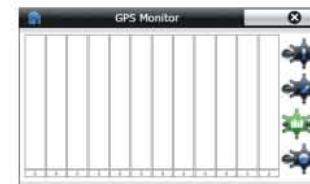
Click on "Common Settings" button on the main interface, enter the frequently used settings interface, language select, and select the parameter settings of switch effect, shown as below.

Touch Screen Calibration

The screen will appear the calibrated touch "+" character in the middle, press "+" cursor for 3 seconds, "+" cursor will move, then click until display "OK" for the successful calibration.

Click "screen" button, adjust screen brightness and location, shown as below.

Click "Volume" button; adjust the system volume / keypad volume / mute, shown as below.

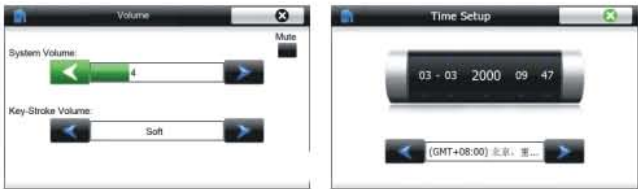Click "Time" button; adjust year / month / day / time / time zone, shown as below.
Click "System" button, adjust the initial setting / file repair operations, shown as below.

Click "entertainment" button on the main interface, and then conduct music, movies, e-books, pictures settings and operations, shown as below.

Click "Music" button to enter the music playback interface, shown as below.

- Select File
- Return to Main Menu — MusicPlayer — Close
- Delete
- Page Up
- Page Down
- Random play / play order switch
- previous   Play / Pause   next   Open the file information
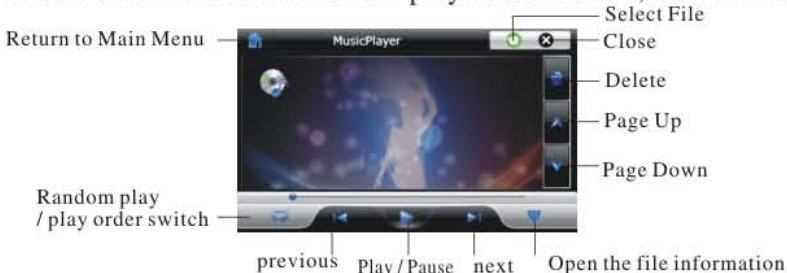
Click "movie" button to enter the video playback interface, shown as below.

- Return to Main Menu — VideoPlayer
- Close
- Select File
- Full screen
- previous/ next
- Fast forward / rewind
- Play / Pause
- Volume adjustment
- Open the file information

lick "e-book" button to enter the E-book browsing interface, shown as below.

- Return to Main Menu — E-Book — Close
- Select Page
- Page Up
- Select File
- Page Down
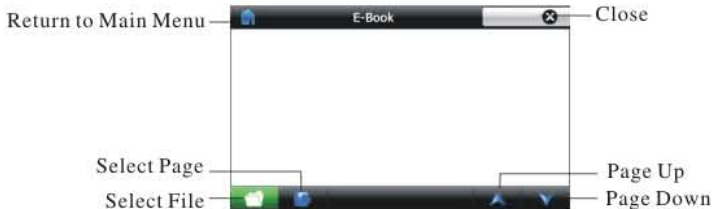
Click "Picture" button to enter the picture browsing interface, shown as below.

- Return to Main Menu — picture browser — Close
- Slideshows
- Select File
- Rotating Image
- Full screen
- Zoom out
- Page Up
- Zoom in
- Page Down

Run navigation software

Click   the navigation Icon on the main interface, the system will enter the navigation interface.

Note:
1. Please refer to the specific instructions of navigation software.
2. In the navigation process, press the upper left corner TFT screen to return main menu.

Remote control operation

1. Power Switch
2. Pause/Play Button
3. Mute Button
4. Selecting Menu Button
5. Eject Button
6. Enter Button
7. Volume Control
8. Tuning/Selecting/Tracks/ F. F/REW
9. Motorized Panel
10. Mode Switch
11. Picture Adjust Setup
12. Repeat Playing
13. Information Display
14. Number Button
15. Audio-Setting
16. Repeat Section Mode
17. Subtitle-Setting
18. Playing Time-Setting
19. Menu Button
20. Stop/ Band Button
21. Angle-Setting
22. Zoom-Setting
23. Setup Menu
24. TITLE Button

21

Remote control operation

Power Button
--Press 1(⏻) 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(✕) button to cut down
The sound output, press it once more to resume the previous sound level.

Menu selector
--Press 4(←/↓/→/↑) to select
Your desired menu, then press 6(ENTER) or press the play button 2 (▶‖) to confirm

Left/Right/Stereo Selector
--During the playing mode.
Continuously press 15(Audio) can change the sound to left/right speaker or stereo mode.

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

Repeat Section Mode

In order to play repeatedly one section of some track , during normal playing mode, at start point of the desired section press "A-B" key one time, at endpoint of the section press "A-B" 16 key again, and then the unit begins to play this section

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Remote control operation

Mode Switch
--Press **10 (SRC)** button to switch to radio mode or playback mode.
repeatedly , pressing "A-B" key third , the unit will go back
to the normal playing mode.

Subtitle Selector
--During DVD mode, press **17 (SUB-T)** button to switch the
menu to English, French, Chinese, Thai and Italian.

Instructions Remote Control Operation

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 timeEnter your desired time by pressing number
button 14 (0~10+).For example,enter,25:00,it will
automatically start playing the track from point of the twenty-
five minutes in the disc.
--In DVD playing mode, press **18(GOTO)** key once and input a
Desire track number, then press (▶❚) key to play the DVD from
The position corresponding to the Track number selected
--In DVD playing mode, press **18(GOTO)** key twice and the
Television will display the time--.Enter your desired time by
Pressing number button ■ **(0~9)**
Stop the Playback
--In DVD mode, press **20(BND/■)** Button to suspend the playback
and "press play to continue" shown On TV, press it again to stop
the Playback.
Note: In VCD, MP3and CD, press this key once TO stop.
--In radio mode,press **20(BND/■)** button to switch: FM1-FM2-FM3-AM
MULT-ANGLE KEY
--In DVD playing mode, press **21(ANGLE)** key, you can watch
The DVD content from different angle.

23

Remote control operation

TITLE KEY
--In DVD, VCD playing mode, Press **24 (TITLE)** key to show all
tracks title on screen. Then press **14(0 ~ 9)** key or press **4(←/↓/→/↑**
) key to choose your
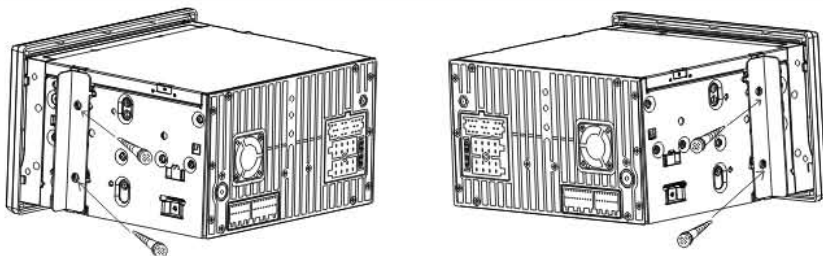Desired track number and press **7 (ENTET)** key or **2 (▶❚)** key to
Start.

ZOOM KEY
--In DVD, VCD playing mode, press 25 (ZOOM) key once for l x
Mode, twice for 2 x Mode Third time for 3 x Mode, Four time to off
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)

Check if the mounting holes on both the left and the right sides of the main unit match with the original mounting brackets of the vehicle, if unmatched, please use the mounting brackets we provide for installation (If necessary, drill the mounting brackets to match with the mounting holes of the vehicle.)

Attention:
- Mount the unit on the bracket.
- Check if the electrical connection of the backplate is correct by following the user's manual.
- Use appropriate tools to install screw bolt.

Attention:
- The unit ought to be installed by the professional technician.
- The unit can only be used in the vehicles with 10-14v DC storage battery system
- Conduct the electrical connection by following the user's manual seriously, any connection errors could damage the unit.
- Connect the power line after confirming the right connection of other parts.
- Insulate all exposed power line to avoid short circuit.
- Fix all the loose power before the installation of the unit.
  Read the user's manual in detail before turning on the unit
  As a high precision unit, the installation places should be excluded as follows:
  Direct sunshine/high-temperature/insecure/vibrant/humid/dusty places

General

Power Requirements .... 14.4V DC
Load Impedance 4Ω
Max.Power Output 60Wx4
Tone Controls .... +-7dB (Bass 100HZ, Treble 10K HZ)
Mounting Dimensions .... Approx.178x170x100mm (DxWxH)
Weight .... Approx. 3 kg

DVD Deck Section

Discs Played .... MPEG4, DVD, VCD,MP3, CD, CD-R, CD-RW ,XVID

Video System .... AUTO /PAL/NTSC
Mounting Angle .... 0 to+/-30

Video 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)
LF Range 10.7MHZ
Usable sensitivity (-30db) 15db
Signal-to-noise Ratio 60db
Stereo Separation 30db (1HKz)
Frequency Response .... 30~15000Hz

Note: Due to continuous product improvement, specifications and design are subject to change without notice.