

Automobile Multimedia Player System
Touch Screen 7-inch Motorized TFT LCD

Operation Manual

Before operating this product, please read this manual carefully and properly keep it for future reference.

In order to avoid any injury or accident, please pay attention to the cautions in this manual before installation and operation.

DVD Series

All Rights Reserved 2007

Table of Contents

Safety Precautions.....	1
Precautions prior to Operation	2
About Safety.....	2
About LCD.....	4
Operation and Maintenance of Remote Control.....	5
How to Use Batteries Properly.....	5
Playable Disks.....	7
Maintenance of DVD Player.....	7
DVD Disks.....	8
CD-R/CD-RW Disks	8
MP3 Files (CD-ROM).....	9
Fast Guide for Buttons on Main Unit.....	9
Description of buttons on Remote Control	11
Basic Operation	13
System Menu	13
Sound Field Configuration	13
Display modelConfiguration.....	13
Function setting.....	13
DVD Disk Playback.....	14
DVD Playback.....	16
DVD Functional Operation	17
GOTO Advanced Operation	19

DVD Setup.....	20
General Setup Page	20
Speaker Setup Page	21
Video Setup Page	21
Preference Page	21
CAMERA Playback	22
SD Card Playback.....	22
SD Card Playback.....	22
USBPlayback.....	22
AUX Playback	22
Play IPOD.	22
GPS Players.....	23
GPS Function	24
Radio Operation.....	26
TV Reception.....	27
Touchscreen Rectification.....	28
Switch wheel control keys setup.....	26
BlueTooth Function	29
Connect diagram.....	30
Troubleshooting.....	32

Safety Precautions



This icon indicates that relevant actions must be avoided.



This icon indicates that relevant actions must be done compulsorily.



This player can only be used in the grounded vehicles with 12V, excluding large trucks or diesel trucks (DC24V trucks) running in the frigid areas. Otherwise, it could cause a short electric circuit to set off contingent fire disasters or other defaults.

Never use components securing safety to install this player or in the process of grounding wiring.



Prohibition

It is prohibited to use any safety securing components like screws, nuts and small screws for the steering wheel or detent to install this player to prevent any accidents. Please use accessories delivered with this player to facilitate installation.

Regulate the volume to proper extent



When you barely hear any sound outside the vehicle or in the ambient surroundings while driving, it could foster possible accidents.

Installation and wiring must be carried out by professional technicians.



Special technique and experience are required in installation and wiring of this player. For your safety, please consign the dealer to complete installation and wiring.

Do not keep using the player when it turns to be abnormal or has certain default.



Prohibition

If the player becomes silent, gives out smoke or has certain abnormality etc., please stop using it immediately and contact the dealer to avoid danger like fire disaster or electric shock.

No operation while driving.



Prohibition

If you operate while driving, it is likely to trigger traffic accident as you pay less attention to the front.

Never spray water on the player or submerge it under water



Prohibition

If there is water entering this player, it could lead to a fire disaster, electric shock or default due to short circuit or bad insulation. In the rainy day or the car is washed, be careful not to spray any water on the player.

Never let any object enter into this player.



Prohibition

If any metallic objects or flammables enter into this player, it could trigger overheat, fire disaster or electric shock due to short circuit or bad insulation. Extra attention must be paid to baby or small child.

Never put your hand or finger on the moving parts of this player, nor block the CD slot with foreign objects.



Prohibition

If you put your hand or finger on the moving parts of this player or block the CD slot with object, the possible injury to personnel or default could be brought into being. For baby and small child extra attention must be paid.

Never dismantle or modify the player technically.



Dismantlement is prohibited

It is strictly prohibited to dismantle or modify this player or to cut off the original power cable to connect with other one, which could lead to smoke, fire, electric shock or other failures.

Fuse must be replaced by professional technicians.



If you do not make proper wiring as specified, it will lead to the risk of electric shock, injury, fire or other failures.

Precautions prior to Operation

First, thanks for purchasing our automobile multimedia entertainment system. Before operation, please read through this manual and keep it properly for future reference.

In order to prevent any injury or accident, please read the following precautions before installation and operation attentively.

About Safety

- 1) This player is an intelligent DVD player, which has the remote control function such as loading slot open and close the DVD disk.
- 2) Do not allow any foreign objects or liquids to enter the player.
- 3) Please do not place or install the player at a wet place or a place at high temperature or in the direct sunshine to avoid deformation of this product. Do not keep this player in contact with any chemical agent for a long time to prevent the paintwork peeling off the surface, fire or accidents.
- 4) Please replace the batteries for the remote control to ensure normal operation of this player. In the case that batteries leak chemical liquid, please use a piece of dry cloth or paper tissue to clean up the mass and then replace those batteries. Note that batteries can not be placed upon any metallic object and never give the batteries to children to play with so as to prevent fire due to short circuit or accident due to the leakage. As for the used batteries, they shall be disposed in accordance with the local laws and regulations.
- 5) In the case of any leakage of liquid crystal due to rough handling, please note not to allow the liquid crystal to get in touch with skin, eyes or mouth. At the same time, try to get in touch with maintenance personnel to have it replaced. The broken liquid crystal display screen must be disposed according to the local regulations.

6) Do not allow any hard object to collide with, squeeze or scratch the player. When it comes to cleaning the player, please only use a piece of dry cloth or paper tissue to clean the surface of the player. As for the liquid crystal display screen, clean it up with a piece of dry cloth or paper tissue without depilation gently to avoid any damage to the player.

7) When the screen is ejecting or retracting, or adjusted in terms of the viewing angle, the motorized mechanism of this player stops on its own in the case of any obstacle standing in the way. And then please remove such an obstacle away before resuming operation.

8) If any abnormality is found during operation, disconnect the power immediately and check the list of troubleshooting for resolution. If failed, please contact the supplier or maintenance service center for help.

9) When replacing the fuse, be sure to use the fuse of the same specification (current specification for example). It is very dangerous to use different fuse or electric wire to substitute the broken one, which could lead to severe damages to the player.

10) This system integrating 10 VCD/CD and 6 DVD disc-loading and unloading mechanisms, is capable of playing back DVD, VCD, CD, MP3 and MP4. Meanwhile, it also can be used as a TV set and radio. In the mode of TV or radio, there is a slight difference in the aspect of volume. However, the difference in volume could be considerable due to various recording standards adopted by diverse discs. When it happens, please check out the disc standards and connect the producer for assistance. 11) In the case of any problem out of the range of troubleshooting, it is not allowed to dismantle the player for repair on your own discretion, which can only be performed by professional maintenance personnel.

12) Install and operate this player in accordance with corresponding.

instructions set out in the manual. Although a protection circuit is encompassed, unnecessary damages or losses still can not be guaranteed.

13) The used player shall be disposed in accordance with the local regulations.

Do not mount this player in this way that the opened or closed screen blocks driver's visibility or interferes with his or her operations in the vehicle such as the release of the safety airbag and the actuation of the steering wheel, gearlever or braking pedal etc.

1) The installation of this player is required to be executed by technical experts.

2) If you try to install this player by yourself, you have to refer to the installation instructions and circuit diagram contained in the operation manual. Incorrect installation could lead to a fire.

3) Before installation, make sure to turn the ignition key to the OFF position or pull it out. When the engine is activated, installation of this player could cause electric leakage or short circuit of the batteries.

4) Mind never to damage any piping, wiring, fuel box or electric circuit. Otherwise, it may lead to a fire. When drilling holes on the front panel inside the vehicle, you must ensure that any hidden part beneath is kept intact.

5) Never deploy any bolt or screw to fix the safety devices such as the steering interlock devices, the fuel transfer or braking system. Otherwise it may lead to a fire or an accident.

6) If there is an abrupt change in the ambient temperature, the moist could condensate on the surface of the screen. All you have to do is to wait for a while till it is evaporated and then this player becomes available again.



About LCD

Do not press the LCD monitor. Otherwise, the pictures displayed could be deformed and such an action could lead to a failure.

Clean-up Cautions

Use a piece of soft cloth dipped with some water to clean up the LCD screen instead of solvents such as gasoline, thinner, or cleaning agent sold on the market or antistatic spray.

Do not use this player when the ambient temperature is lower than -15°C or higher than 45°C .

If you park your vehicle at a very cold or hot place, pictures on the screen may become blur, which is not abnormal at all. As long as the temperature changes into normal again, the display on the screen turns clear.

The stuck pixel, referring to the static blue or red spot appeared on the screen may happen to any LCD monitor. The LCD is a very precision instrument with over 99.99% normally-functional portion but below 0.01% mal-functional portion. The latter portion can not be normally activated but will not affect you to enjoy it.



Cautions for the Touch Screen

The touch screen is firm and reliable. However, you must be aware of the followings in operation:

1. Not to scratch the screen with force. In the process of application, all you have to do is to touch the screen gently.
2. The touch screen is not waterproof and water could enter the circuit via the front panel under the extreme conditions.
3. The touch screen is covered by glass. So please do not knock or press it with force.
4. Try to avoid high temperature, dust or humidity.

Note not to use alcohol in the clean-up process.

Operation and Maintenance of Remote Control

Do not place the remote control on the dashboard, steering wheel or in any other places in the direct sunshine. If you do, the temperature could be high enough to deform the remote control, especially in the summer.

When the vehicle is parked in the sunshine without any shelter, you should put the remote control in the storage box or in a protective place. In the direct sunshine, the signal from the remote control may not be properly received by this player. In such a case, please put the remote control next to the sensor on the front panel of the mainframe.

How to Use Batteries Properly

If the batteries are not used properly, it could lead to overheat, fire, injury, failure or contamination to the surroundings due to the cracks or electrolyte leakage of the batteries.

- 1) Install the batteries properly as required by the operation instructions upon confirmation of the right battery polarities (+/-).
- 2) Never use batteries that are not designated.
- 3) The empty batteries must be replaced in time.
- 4) When the remote control is put aside for a long time, please take the batteries out.
- 5) Bind up depleted batteries with adhesive tape or store them in a plastic bag for insulation in storage.
- 6) Never charge, short-circuit, dismantle, deform and heat the batteries or throw them into fire or water and make them contact with any metallic object.

7) Never place batteries or remote control loaded with batteries in the surroundings at high temperature including an enclosed vehicle with doors and windows closed, trunk or a place in the direct sunshine and adjacent to a heater.

8) Keep batteries away from children. And sent to the hospital immediately if they swallow down any battery.

Cautions about Batteries

1. Type of Battery: lithium battery
2. Operation Life: approx. 1 year (under indoor temperature) in normal operation
3. While disposing batteries, make sure to observe the local regulations on depleted batteries.

Treatments for battery electrolyte leakage are presented below:

1. Wipe off the electrolyte residue inside the battery compartment and put in new batteries.
2. When the leaked electrolyte attaches to the human body or skin, rinse it off with water.
3. If the electrolyte enters your eyes, do not rub with hands but rinse with water and then go through the medical treatment.

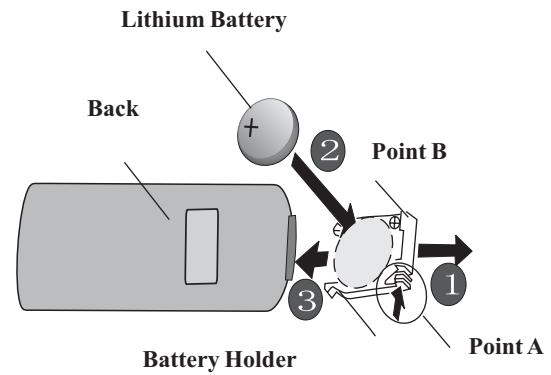
Emergency Treatment:

In order to prevent life or property damages to the user or others, please immediately turn the power off and deliver it back to the nearest maintenance center or automobile stereo system dealer for assistance in the case of any foregoing abnormality.

Battery Installation

1. Take out the battery holder.
Push and press the point A along the direction shown by the arrow and draw out the battery holder at the point B.
2. Put the battery into the battery holder.
3. Insert the battery holder back to the original place.

At the first time before operation, draw out the extruding thin sheet beneath to make the battery contact normally.



Playable Disks

Disks in the following file format can be played in this player



Area code of DVD video disk

Any area-code-incompatible DVD video disk can not be played (This player has no area code restriction.).

Maintenance of DVD Player

Please use standard round disks. If you insert an irregular, noncircular or deformed disk, it could get stuck inside the player and is unable to play back properly.

Before loading a disk into the player, please check out whether there is any crack, scratch or bend on the disk. If there is, such a disk can not be used and could cause failure to this player. When handling a disk, remember not to get in touch with the recording side (no printing side).

While a disk is not in use, please keep it in the disk box.

Please do not put a disk in the place in the direct sunshine or at high temperature.

Never attach any label to the disk surface, scratch or apply any chemical to it.

While cleaning up a disk, please use a piece of soft dry cloth from the center to the edge to wipe it clean.

If the onboard heating system is on in winter, condensation could take place inside the DVD player, which may make it unworkable. If any failure comes into being, please switch off the player immediately and wait for 1 hour to let it dry out. And use a piece of dry cloth to wipe off moist on the disk if happened.

Bumpy road could interrupt the disk playback process.



Right



Wrong



DVD Disks

Specific functions may not be available for some DVD disks. And this play could be incompatible with some DVD disks.

DVD digital multi-purpose disks

DVD can perform large capacity access and processing of digital signals of audio and video of movie software. It is the compact disk for accessing high quality of pictures and acoustics.

DVD menus

DVD can display several headers, hence called the header menu. In addition, the DVD header menu refers to the display of various settings of items, which are able to export menus at random during playing. As software differs, it facilitates audio switching between Dolby Digital and linear PCM, subtitles and dub languages, etc. While DVD-R/DVD-RW disks are used, only video formats (in the video mode) can be played, but it is unable to play general computer files.

DVD-R/DVD-RW disks recorded in the video format (in the video mode) may not be playable due to the property of disks, scratches or dirt on disks or dirt or dew on the lens of this player. Disks recorded on a personal computer may not be playable, which is determined by the setup and environment of the application format. Please use a proper format for recording.



CD-R/CD-RW Disks

While a CD-R/CD-RW is used, it can only play the disks that are completed.

CD-R/CD-RW disks recorded by Track CD recorder or a personal computer may not be playable due to the property of disks, scratches or dirt on disks, or dirt or dew on the lens of this player.

Disks recorded on a personal computer may not be playable, which is determined by the setup and environment of the application format. Please use a proper format for recording. (For details, please contact the manufacturer of the application process.)

CD-R/CD-RW disks may not be playable under the direct sunshine or at a high temperature place or the storage environment of automobiles.

Headers and other text information recorded in the CD-R/CD-RW disk may not be playable in this player (in the case of audio information (CD-DA)).

If you mount the CD-RW disk into this player, the time for you to wait for playing will be longer than you do conventional CD or CDR.

Before using the CD-R/CD-RW disk, please read the relevant cautions.

MP3 Files (CD-ROM)

MP3 is a kind of audio compact method, which should be brought into Audio Level 3 in the MPEG standard. The audio compact method has already been in the depth of personal computers as a standard mode. Mp3 can compact original audio data to 10% of its initial size and to keep the voice in high quality. This means that about 10 Track CDs can be recorded on a CD-R disk or CD-RW disk. In this case, there is no need to constantly change CD disks for playing for a long time.

This player allows the playing of MP3 files on CD-ROM, CD-R and CD-RW disks as well as the content of any disks compatible with ISO9660 Levels 1 and 2 and ROMEO and JOLOEY file system.

It can play the disks recorded compatible in multiple sections. MP3 files are incompatible with the transmission of data written in groups. The maximum number of characters that can be displayed as names of files is 32 characters (calculated from the first character). The maximum number that can be displayed as the name of a folder is 32 characters.

If a file is recorded in the ROMEO and JOLIET file system, it can display 32 characters only. When a disk with MP3 files and audio data (CD-DA), for example, CD-EXTRA and MIXED-MODE CD, they can switch between MPE and CD-DA to play these two types of discs.

The selection sequence of playing and other folders being operated will become the writing order used by writing software. Therefore, the sequence expected by the playing time can not be in conflict with the actual playing. However, some software permits the setup of playing sequence.

Files are compatible with ID3 label Version 1.0 and Version 1.1 formats to show special editions (headers of disks), Track (Track headers) and authors (Track performers).

Only when MP3 files at the frequencies of 32, 44.1 and 48KHZ are played can enhancement function be effective (16, 22.05, 24, 32, 44.1, 48KHZ can

be playable)

The acoustics of MP3 files can usually be improved after the increase in bit rates. This player is able to play recorded voice at the playing bit rates of 8KBPS to 320KBPS. In order for you to enjoy considerable acoustics, we recommend that you use the disks recorded at 128KBPS or higher.

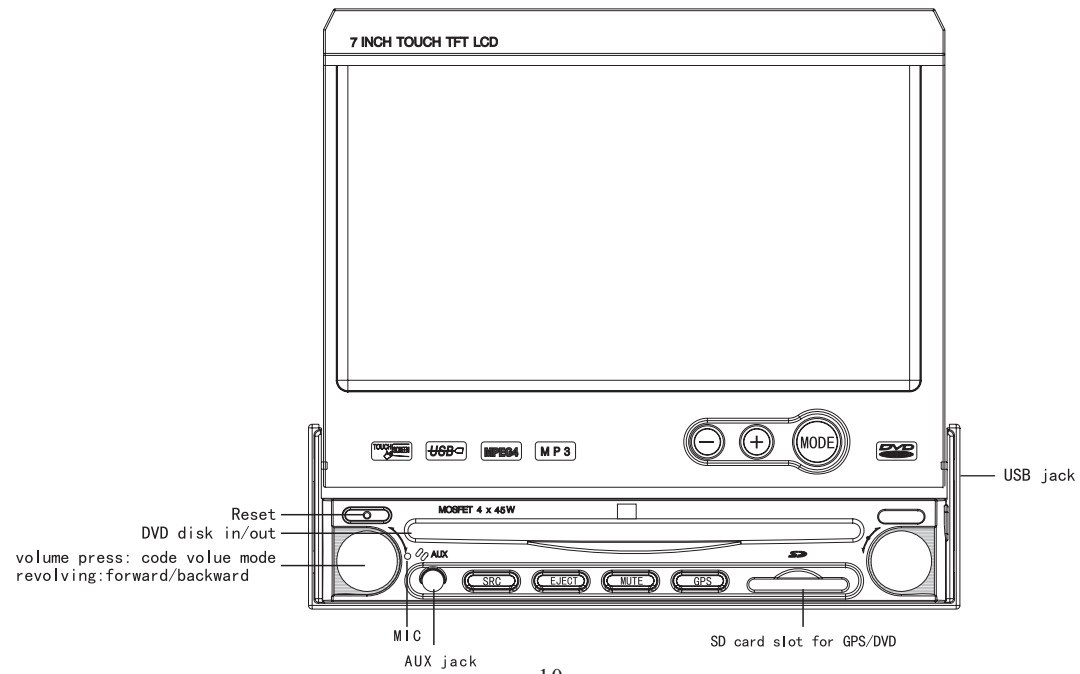
Important

When one MP3 file is named, please add the corresponding file extension name (Mp3).

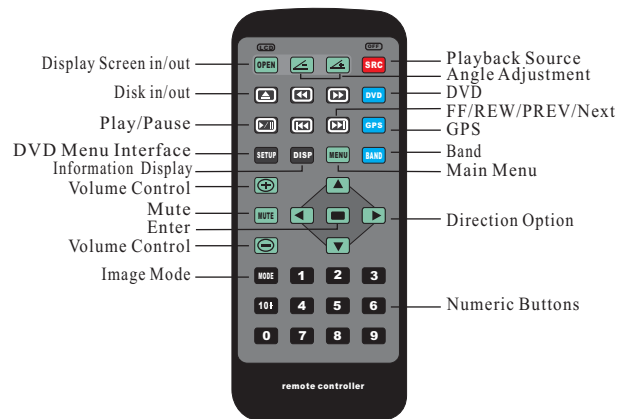
This player will play the files with the extension name (.MP3) as MP3 files. To prevent noise and failure, please do not use such an extension name for non MP3 files.

Fast Guide for Buttons on Main Unit

Front Control Panel



Description of Buttons on Remote Control



In the navigation mode:

1. Up, down, left, right;

2. "ENTER" confirm button;

3. "FF/REW" fast forward and rewind button;
4. "VOL+/-" volume control button in navigation;
5. "DISP" Day/night switch button;
6. "ode" button;
7. "PLAY" current location button;

1. "Open/Close" display screen stretch button

Press this button and the display will recover or stretch and restore to the angle before power is off.

2. "Mode" button

Switch between day and night modes.

3. "0~10/10+" numeric button

4. Play/Pause button

Put in the disk, press it once to start playing or press it twice to pause.









5. and selection button

● Press this button for DVD to fast forward or rewind. What is shown on the menu is the parameter adjustment.

6. and previous and next track selection or shift button

7. Playback source button

● After the selection of playing source, this player is open. Press this button to switch over DVD, CDC, AUX, TUNER and TV in cycle. It accesses the option after operation stops 5 seconds later. Long press this button, and the player will be auto off (OFF).

8.  Menu selection button
9.  Band button
 - Press this button to select among Fm1, FM2 and AM bands.
10. "VOL+/-" Volume control button
 - Press this button to increase or decrease in volume.
11.  Mute button
 - Repeat pressing this button to switch over Mute and Non Mute.
12.  Angle button
 - Press this button to change the angle of the LCD panel.
13.  DVD disk in/out button
14.  DVD and USB switchover button
15.  Main menu display button
16. "SETUP" DVD menu interface button
17.  GPS subtitle selection button


Basic Operation

1. Power on/off

Remote control  

1. remote control: Press SRC of the remote control to power on.
- Long press SRC of the remote control to power off.
2. Touch the  to shutdown this player.

2. Adjust the backlight

Press  to shift between day and night modes.

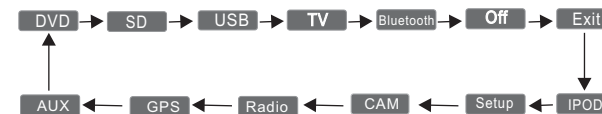
3. Playback Sources Selection

Remote Control 

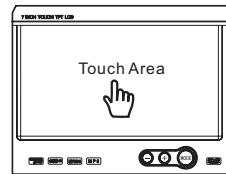


Continuous Short Press

Input signals shift among different modes as shown below continuously.



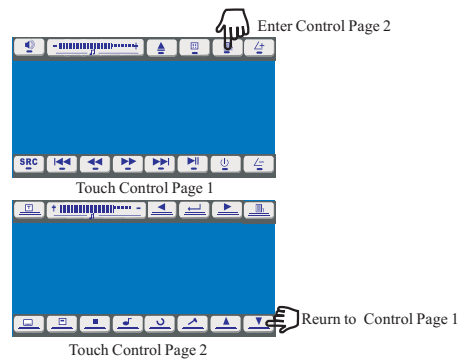
System Menu



Press touch area to go back to this interphase. After entering this menu, press blank area to exit.

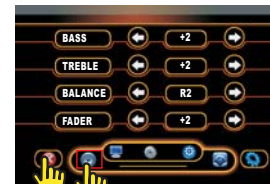
Operation of touchscreen

Touch the mid-area of the blank, then show you icon on the top-left corner, click icon, appears Touch control page1. Enter this menu, touch the blank area to exit system menu setting (Except Radio; Bluetooth; GPS. Reference the relevant instruction).



This page is used only in DVD/SD/USB mode.

Sound Field Configuration



Exit Click to take audio configuration

Sound setup menu 1

1. Under Touch Screen Page 1, Click the Mid of the Volume stick, show you the Sound setup menu 2



Sound setup menu 2

Advise customers to use sound setup menu 2 under DVD, SD and USB. Because use sound setup menu 2 there will be no voice

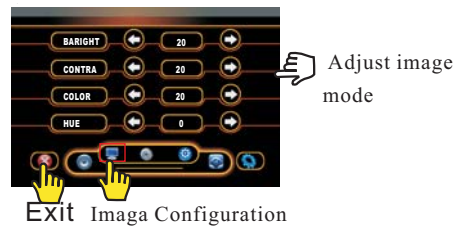
2. Sound effect configuration

- Bass +2
 - Trbel +2
 - Balance R2
 - Fader +2
- Touch to select and adjust the menu, use this menu to take sound effect configuration.

3.Sound mode configuration

- NOR** Standard,Jazz,Rock and Pop are pre-stored.Touch the relevant button to select your favorite mode.Bass and TrebleAre pre-stored also.
- JAZZ**
- ROCK**
- POPU**

Display model configuration



1.Image Configuration

The range of bright,contrast,Color is 0-40,touch the relevant button to select yourfavorite mode to get the best video effect.

2.Image Mode Configuration

This player presets user,Standard,Soft and Bright for selection,touch corresponding button to select your favorite mode.

Function setting 1



Exit Function setting menu 1 pop-up

1.Sound mode configuration

- NOR** Standard,Jazz,Rock and Pop are pre-stored.Touch the relevant button to select your favorite mode.Bass and TrebleAre pre-stored also.
- JAZZ**
- ROCK**
- POPU**

2.Language setup

Preset
USERS
STANDARD
SOFT
BRIGHT

Touch the buttons to choose mode.

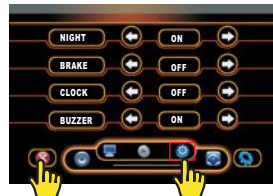
3.LCD color

With red,green,blue 7 colors for selection.

4.Light

All Buttons support red and blue light selectable.

Function setting 2



Exit Function setting menu 2 pop-up

1.Night mode

Shiftable between day and night modes.

2.Brake cable test

To close or open Brake cable test, it will show safety notice after open the Brake cable test.

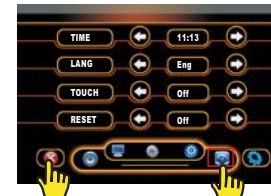
3.clock on/off

on/off for clock display.

4.sound of buttons




on/off for sound of buttons.

Function setting 3




Exit Function setting menu 3 pop-up


1.Clock Adjustment

After selecting clock, press to  highlight hour and minute sections,  and then press  to adjust. When ready, press the button clock again to undo the highlight and exit the clock adjustment mode.


2.Language setup

Use  on the touch screen to switch between chinese and english.

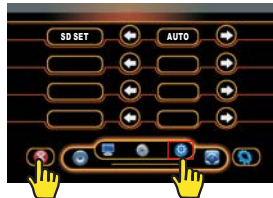
3.Touchscreen rectification configuration

Use  on the touch screen to rectification

4.System reset

Use  on the touch screen to reset the system.

Function setting 4



Exit Function setting menu 4 pop-up

1. SD card setting

This player has only one SD card slot, used for both mp3/mp4 play or GPS map.

Three modes for selection:

dvd play

GPS only

AUTO

Note:

If you choose "AUTO", and switch from GPS to mp3/mp4 play mode, GPS navigation system does not read the data of SD card and will not work.

DVD Disk Playback



1. Press once to select DVD and insert a playable disk into the disk slot;
2. Insert a playable disk into the disk slot directly;



When the DVD playback main menu appears, press this button to let the system start playing back the disk automatically.



Press this button to eject the disk.


DVD video mark:

Standard DVD-Video Laser Disk

On the cover of each DVD laser video disk package, you can definitely find out such a mark, indicating that the contents (audio and video) of DVD disk conform to the DVD-Video standards. And all the functions are defined according to such standards. As long as this mark is on, you can tell it is a genuine DVD-Video laser disk which is playable on this player.

Attention:

The DVD player can play back either standard 12cm or 8cm (single-sided) disk at one time . And do not use adaptor while playing back an 8cm disk. Never insert any other object into the disk slot.

If you are unable to completely insert one entire disk or you are unable to play it after you insert it, please check whether the side with the label is facing up. Please press  to exit the disk and check whether the disk is damaged and then insert it.

Never insert the disk by force so as not to damage the inner par.

Multi-subtitle Playback

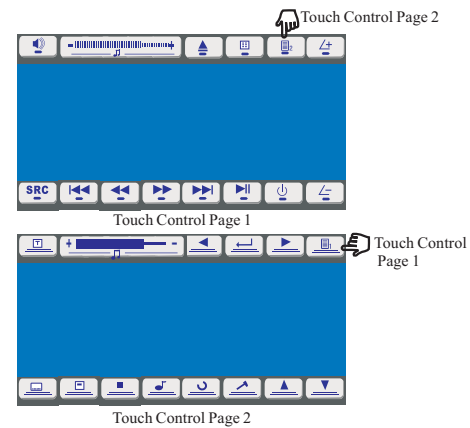
If you like enjoying foreign films, but you are not so good at English, you must remember this icon, which indicates that this CD provides different subtitles for you to play. The numbers are used to show the quantity of subtitles. This player can play disks of different types; however, such subtitles are not used in some of DVD disks, so you must note the words on the packages to make sure whether there are any subtitles in Chinese.

DVD Playback


DVD Functional Operation

- Use the remote control to operate.
- Operate on the touch screen directly.

Touch DVD in the functional area to enter the interface shown below.



1 Play and Pause

 Press this button once for play;
Press it once again to pause.

2 Fast forward/Rewind

In the DVD playback mode, press   to fast forward or rewind.

3 DVD/USB Playback Selection

 Press DVD to switch between DVD and USB playback mode.


4 DVD main menu keys

 Press once at DVD mode to enter DVD main menu.

5 DVD title keys


 Press once at DVD mode to enter DVD sub menu.

6 DVD touch page switch keys


 Press once at DVD mode to enter touch menu of next page.

 Press once at DVD mode to return to touch menu of last page.

7 DVD sub-title keys

 The key is used for selection of Multi sub-title DVD disk.

8 DVD Screen keys

 Press it once to display all the DVD playback information on the screen directly and press again to conceal the above information.

Title	01 / 02	Chapter	008 / 020	00:05:06
Current Title	Titles	Current Track	Tracks	Duration

9 DVD stop key

 Press once at DVD mode to stop play.

10 DVD audio key

 The key is used for selection of Multi-language DVD disk.

11 DVD Power Off key

 Power Off Butto.

12 DVD repeat selection key

 Press once at DVD mode to repeat the play.

13 DVD setup key

 Press once at DVD mode to enter DVD setup menu.

14 DVD Disk IN/OUT Select key.

 DVD disk in/out.

15 DVD Video Angle Select key.

  visual angle control.

16 DVD Mute Select key.

 mute.

GOTO Advanced Operation

Menu	Function	Selection Method
Header	Display current header number total headers skipped to required section number	L/R button selection Entered by number key Enter confirmation
Section	Display current section number total paragraphs skipped to required section number	L/R button selection Entered by number key Enter confirmation
Voice	Display current voice languages digital audio output, capable of converted into output with digital audio other languages	L/R button selection, Entered by number key Enter confirmation
Subtitle	Display current subtitle Languages, capable of switching to other button for to subtitles	L/R button selection Entered by number Enter confirmation
Angle	Display current angle, Capable of switching to other angles	Entered by number keys Confirmed by ENTER
Header time	Display the time for playing Current section, capable of skipping to the required Section for playing	L/R button selection Entered by number key Enter confirmation
Chapter time:	Display currently played chapter time, capable of skipping to the header time required for playing	L/R button selection Entered by number key Enter confirmation
Repeat	Select repeat approach for header, section and track etc., or disable such a function.	R/L button selection Enter confirmation
Time display	Select to display the Playback or Remaining Time of subject/chapter or disable such a function	L/R button selection Enter confirmation

Capacity of Disks:

Since DVD compact disks have single side /double layer and single/double sidespecifications. Therefore,as the specifications differ, there will be different capacity, so according to different capacities, DVD can be divided into four specifications: DVD-5, DVD-9, DVD-10 and DVD-18.

Specifications of disks:

Type	Diameter	Side/Layer	Capacity	Playback Duration
CD-ROM	12cm	Single side	650MB	75min audio
DVD-5	12cm	Single side single layer	4.7GB	over 2h video
DVD-9	12cm	Single side double layer	8.5GB	about 4h video
DVD-10	12cm	Double side single layer	9.4GB	about 4.5h video
DVD-18	12cm	Double side double layer	17GB	over 8h video

DVD Setup



Press this button for a while to enter the DVD setup menu

For DVD, total 6 options are offered including General Setup Page, Speaker Setup Page, Video Setup Page, Preference Page.

Attention: If the selected subtitle language is recorded in the DVD disk, while playing, the subtitles will automatically display the selected language; if there is no selected language recorded, then it will display the subtitle language designated on the compact disk

一、General Setup Page

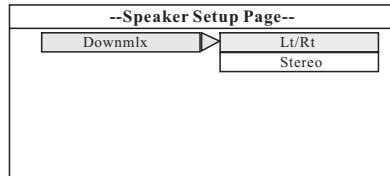
--General Setup Page--	
TV Display	16:9
Angle Mark	4:3Ps
Osd Lang	4:3Lb
Captions	

--General Setup Page--	
TV Display	On
Angle Mark	Off
Osd Lang	
Captions	

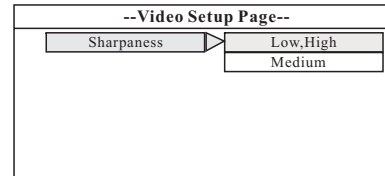
--General Setup Page--	
TV Display	Englishi
Angle Mark	Portuguese
Osd Lang	Chinese
Captions	

--General Setup Page--	
TV Display	
Angle Mark	
Osd Lang	On
Captions	Off

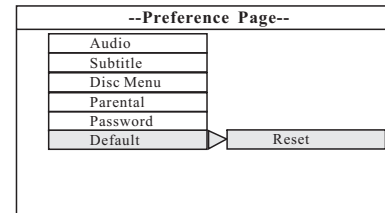
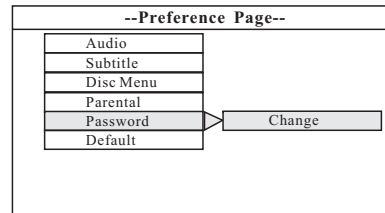
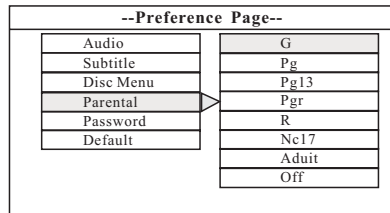
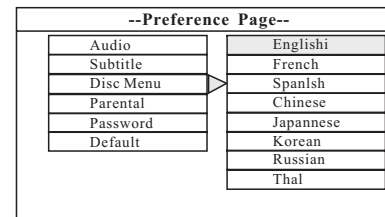
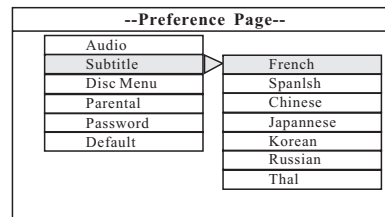
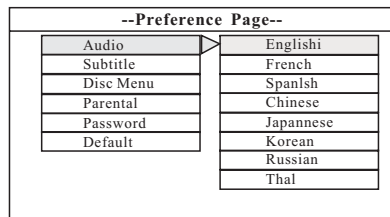
二、Speaker Setup Page



三、Video Setup Page



四、Preference Page



Attention:

Different model has different audio setup, please take actual model as standard.

CAMERA Playback

 Select CAMERA





The control menu of CAMERA playback is empty, but AUDIO; VIDEO; EQ; MODE and FUNC are still available.

SD Card playback

 Insert SD card into the slot, select
  SD to play.



1. On page 4 of DVD function setting menu, set to SD or automatic.
2. SD card can be insert/pull out directly, the way of operation as same as DVD play.

USB playback

 Insert USB device in the Right USB
  jack, select USB to play .

USB jack supports hot plug, please refer to the operation of DVD play, they are the same.

AUX Playback

 Select AUX for playing back external audio and
 video.

Play IPOD

Connect IPOD by additional cable.

IPOD can not be insert/pull out directly, the way of operation as same as DVD play .

Note:

This function is additional, some model may not be support.

GPS Players

SRC



Choose GPS to enter GPS Navigation.

On page 4 of menu setting ,set to GPS or automatic.

1.Long press the button of GPS on remote control :appear the setting interface of front zone play/back zone play .

(1)Natural GPS navigation mode



(2)Play on back ground:

When the machine is displaying the navigation image,if the navigation without sound,then the machine will play the sound from other signal ,like radio,DVD;when the navigation with sound,then the machine will play the sound from navigation .it will play the sound from other signal again after the navigation sound over.

Please read the GPS navigation

Note:

Built in GPS is the RCB signal, without RCA signal output , additional monitor can not display image.(under the state of GPS).

You need transfer cable to connect the additional GPS module if you want to enter the GPS navigation,transfer cable and GPS module are additional match.Exterior like this :

Please see the images

GPS connector



GPS box



Note:

- 1.GPS can built in or additional, you can choose the interrelated accessories by different model when GPS function is additional.
- 2.GPS can not be insert/pull out directly, you need restart the machine after you insert the module .

GPS Function:

- 1.super adaptability: Can adjust the size of display and location of display on the screen directly.
- 2.Can play multi file like MP3/MP4 easy .
- 3.Can support text read, picture look.
- 4.Support 4GB NAND FLASH maximal ,can set GPS software and map ,or multimedia file .
- 5.WINCE5.0 Operation system .Support 18 languages at the same time .Compatalbe different foreign maps .(Support the main foreign mas include :IGO ,ROUTE66, GET 5 and PAPAGO)
- 6.Multi-sets new software operation interface for choose,or customize for clients.

GPS product specification:

System Parameter	
Screen	400MHZ
CMOS chip model NO	SAMSUNG S3C2440A-40
EMS Memory	64MB
Memory Size	Can expand to 4GB
GPS Software	SD Card
Operation System	WINCE5.0 CORE
Support Audio	MP3/PCM/WMA
Support Video	ASF/AVI/WMV/DIVX
Video decode capability	QVGA >25VSYC/S
Software Translate and Edit type	ARMV4I

Basic Parameter	
Video output	Complex Vedio (CVBS, Y/C, YPbPr) Simulate RGB
Video output Voltage	1.0Vpp/70HM
Solution	320*240/400*234/480*234/640*480(Choosed by the resistance)
Audio output	Three-dimensional timbre
Audio power	Double Track 0.25W/CHANEL
Weight	About 100g
Size	75mm(length)*38mm (wide) *8mm(high)
Work Temperature	30℃ to +85℃
Storage Temperature	-40℃ to+100℃
Work Humidity	45% to 80%
Storage Humidity	30% to 90%
Operation Voltage	DC 5V/12V optional
Average power	3W
Await order power	<50mW

GPS Parameter	
CMOS chip	SIRF Star IIIor M-STAR optional
frequency	1.575GHZ
C/A CODE	1.023 MHZ chip rate
Channel	20Channel
Track Sensitive	-159dBm
Orientation Precision	10m, 2D RMS 5m, 2D RMS, WAAS enable

GPS Parameter	
Speed	0.1m/s
Ratio for Update the data	1HZ
Re-capture time	Average 0.1s
Warm boot time	Average 1s
Mid boot time	Average 32s
Cold boot time	Average 38s
Maximal Orientation height	18,000m
Maximal speed	515m/s
Add speed	< 4g
GPS Antenna stype	Out ceramic with power antenna
Antenna	27dB
Antenna power	2.85V ± 5%
Antenna electric current	15mA
Notice:All the datas in this form are based on actual test , related to Module , diagram , layout .	

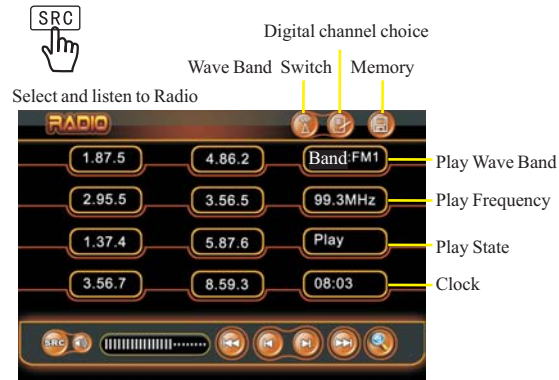
Software Request

- 1.Use the Wince.net 5.0 core for the operate system .
- 2.The translate and edit style of software is ARMV41,please contact with us if you need SDK.
- 3.The COM Port is COM 2, BAUD Rate is 9600.

Software Install

- 1.Insert the SD card with GPS software.
- 2.Click the “ option” to enter the interface of option after the machine startup. 3.Click the “navigation setup” , set up the route of navigation .
- 4.On ” navigation setup “,click the ico of “ open the file” , choose the programme of GPS adhibition (is the file of EXE commonly), then you can click the “circulate the navigation software automatic “, the machine will circulate the navigation software when machine start up.
- 5.Exit the interface of navigation setup after you chose the programme of GPS adhibition ,click the “ navigation” , circulate the navigation software.(the equipment name is “StorageCard “ in memory card)

Radio Operation



Band Selection

1. Repeatedly press to switch among different bands: FM1 Fm2 AM1

Preset Radio Station Utilization

1. Using numeric buttons on the remote control to select.
2. Directly touch the radio station storage area **5. 99. 3** to activate preset radio station.

Advanced Function Operation

1.Manual Search

Press the menu adjustment buttons on the remote control (or directly touch the manual search area on the screen) to start searching radio station automatically, which only stops when a station is found. At the same time, the actual frequency of searched station displays on the screen.

2. Automatic Search

Touch the fully automatic search area on the screen to start searching from 87.5MHz, which only stops when the storage for 16 preset stations is full or the current frequency reaches 108.0MHz.

3. Manual Save

A) When it becomes perfect by fine-tuning, press and the current frequency flashes until being saved to the position you select. Or press "NTER" alternatively on the remote control to save it.

B) Directly touch the current frequency and it flashes and becomes red. Then select the storage position for the current frequency on the touch screen directly and click the it again to stop flicking and save it accordingl.

4.Digital channel choice

click the to enter the interface of digital channel choice



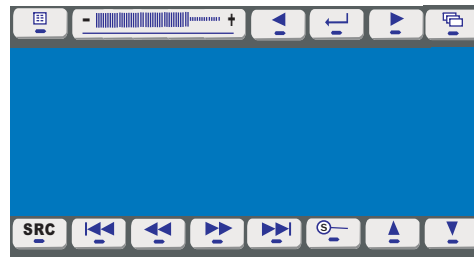
1. "1-0" For input the number
2. Confirm input the number
3. Exit

Attention:


1. In automatic search, press any button to stop searching.
2. This player can save up to 24 radio stations, 8 for FM1, FM2 and AM respectively.
3. Fully automatic search is only available for AM/FM.
4. In the manual save mode, no button can be a ctuated while the frequency to be stored is flashing.

TV Reception


 Select and watch TV



1. Preset Channel Utilization

 Use the remote control or click the relevant buttons on the touch screen to activate TV function. Press this button to select previous or next TV channel. In this way, when the end is reached, system will start from the beginning channel automatically. And channels can be selected by pressing the numeric buttons directly. If the number of channel comprises of 2 digitals, only typing in both digitals within 2 seconds is acceptable. Otherwise, system solely recognizes the channel corresponding to the digital put in first.

2. Automatic Search

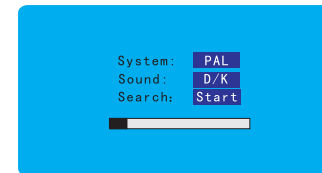
In the TV mode, touch  to start searching automatically. When a channel is found, press the same button again to stop searching and save the found channel. The player can save up to 100 channels. During the process of search, press any button or touch any active spot on the touch screen abort and quit. When search is over, the system goes to the first channel.

A) TV System Selection

Touch the System: PAL area to select TV system. TV systems are PAL/NTSC/SECAM/PAL-M/PAL-N.

B) TV Sound Selection

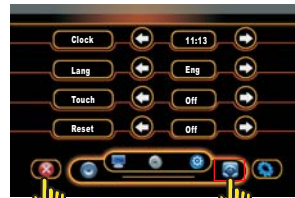
Touch the Sound: D/K area to select TV sound system. TV sound systems are D/K B/G I M/N.





Attention:

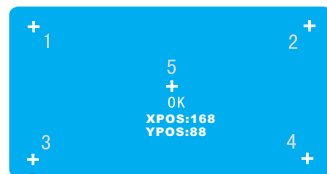
1. This player can save up to 100 channels;
2. When the reception effect is poor, please check out the antenna proper connection;
3. The reception effect can be affected by either poor signals or high driving speed, which has nothing to do with the player itself.

Touchscreen Rectification



Ext touchscreen rectification menu

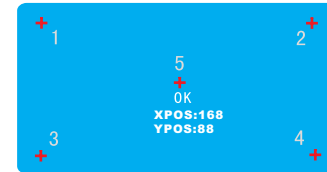
In function menu, touch  
to logo into touchscreen rectification menu



Operation point

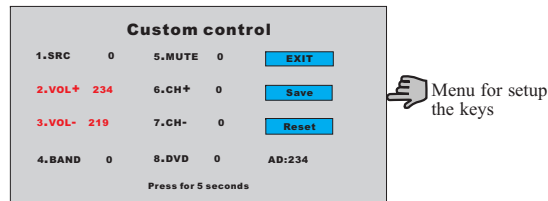
Operation steps:

1. Use something spiky to click the coordinate of the NO.1 position, the coordinate will be red after clicked, XPOS:168 ypos:88 in the middle will display the current coordinate value, (Note: Never use too acuity or tartness things, otherwise the touchpanel might be hurt).
2. As the first step, take turns to select coordinate 2, 3, 5, all the coordinate will be red, as the following image shows:



3. Press "enter" of the remote control, finish the rectification.

Switch wheel control keys setup

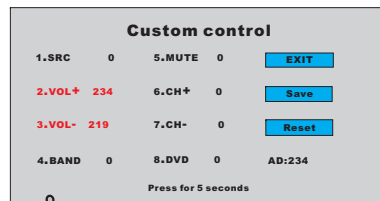


Operating Procedure:

1. Press 1234enter to enter setup menu under stand-by state.
- 2.Setup menu includes 8 function keys,touch the one you need to setup,the menu will show "please press for 5 seconds",you will see "Setup Success" after you done it successfully;If failed,please repeat the above procedures.
- 3.Repeat as the operate 2 to touch the keys of what you need sequentially,you can setup 8 keys at the most.
- 4.Press "save" key to save and exit,after you finish the setup.
- 5.Press "Reset" to resetting,then repeat the above procedures if you need to eliminate the setup records and re-setup the keys.

Note:

Press 1234enter to enter setup menu under stand-by state.Make sure to get right connection for the three control cables for keypress.

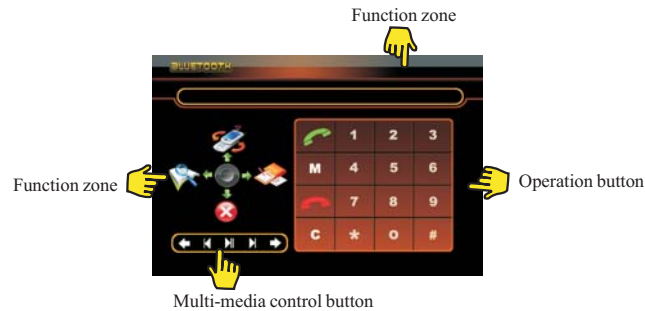


setup key

Bluetooth Function(optional)



Select BlueTooth Function



Bluetooth menu includes Information Display Zone, Multimedia Control Key, Operation Key and Function Selection zone.

1. Information display zone: used for display connection condition, incall display and other operate information.

2. (1)Used to Bluetooth audio play when on the state of dial-up.(your mobile phone must with the function of A2DP),according the sequence, is the button of debase volume, play/pause, last ,next ,stop and ascend volume.

(1)Used to Bluetooth audio play when on the state of dial-up.(your mobile phone must with the function of A2DP),according the sequence, is the button of debase volume, play/pause, last ,next ,stop and ascend volume.

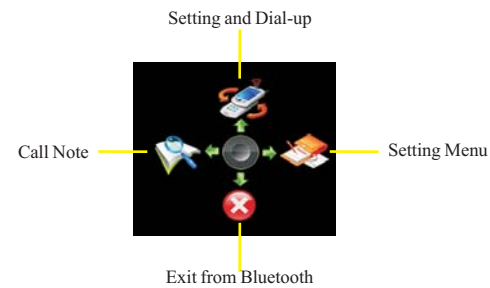
(1) Used to switch incoming call to missed call and dialed call when on the state of call note. used to switch the note ,display 10 note at most.

3.Operation Key

Used for dial operation ,0-9 ,* ,# used for dial the number, M is the key to shift the voice from the DVD unite to cellp hone; C used for back space,

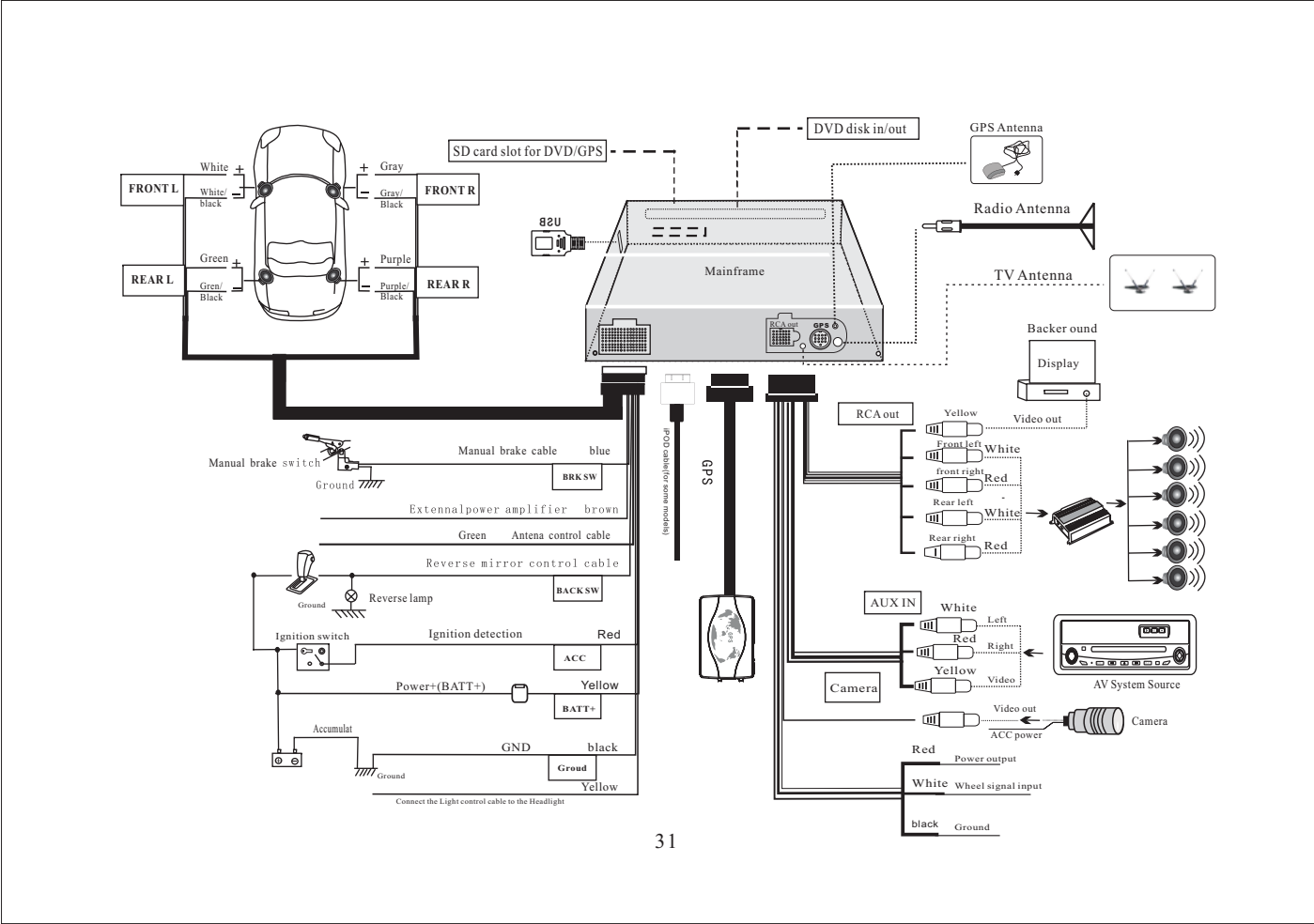
dial out, pick up.

4.Function Selection zone:



Operation guide:

1. Press SRC to enter SOURCE selection, get into bluetooth.
2. Choose
3. Search the device which named "arkit" through your bluetooth mobile phone, then match it with the password 1234.
4. Connect the device, the display zone will show onnection? after you done it successfully.
5. Take the operations which your Bluetooth mobile phone supports.



Troubleshooting

Phenomenon	Cause	Resolution (only for reference)
No power supply	Wrong connection between wires and connector. Broken fuse The built-in microprocessor is unable to work normally due to noise and other factors.	Make sure again that all connections are made correctly. Find out the reason behind the breakage of fuse and then replace it with identical new one. Press RESET to restore to the factory settings.
Failure of Remote Control	Low Battery Certain functions are forbidden under specific modes.	Replace with new batteries. Enter the proper mode.
Unable to Play back Disk	The disk is dirty or incompatible with this player	Clean up the disk and check out the disk type. Insert a compatible disk into the player.
No Audio Output No Increase in Volume Failure of Specific Speaker	The cable fails to be connected properly. This player is playing back in slow motion or frame by frame. Incorrect audio setup	Rectify the cable connection. It is normal in slow motion or frame by frame playback. Configure speakers properly.
Defective Disk Parent Lockup Function is enabled. Current DVD has no extra languages for selection.	Unable to Play back Disk Parent Lockup Information Displayed and Blocking any Operation Unable to Change Language (subtitle included)	Change the disk for another one in good quality. Deactivate the Parent Lockup Function. No other choice if the DVD is recorded in one language.

Symptoms	Causes	Actions (for your reference)
No Subtitled Displayed	<p>You can only switch it over to the options as shown in the disk menu.</p> <p>There is no subtitle recorded in the DVD.</p> <p>You can only switch it over to the options as shown in the disk menu.</p>	<p>Use the disk menu for switchover.</p> <p>If there are no subtitles recorded for the disk, then it is unable to show subtitles. Use the disk menu for switchover.</p>
<p>Failed to Play back According to Language in Audio and Subtitle Selected in the DVD Setup Menu</p> <p>Unable to switch over to another Viewing angle.</p>	<p>The current DVD has no audio or subtitle language in the DVD Setup menu.</p> <p>The current DVD has no a multi-viewing angle.</p>	<p>No choice is available in such a case.</p>
Pictures are exceptionally vague/distorted or dim in the playback.	<p>You try to switch it over to another viewing angle but there are no multi-viewing angles recorded in the disk.</p> <p>The disk is protected by anti-duplication (Some disks may have such a function).</p>	<p>Switch to other viewing angles when the disk is recorded in a multiple-viewing angle.</p> <p>As this player is compatible with the analog anti-duplication system, some horizontal lines or other interference phenomena may pop on the screen when the disk with anti-duplication function is played back in this player. When happened, it has nothing wrong with the player itself.</p>
<p>No image: PIC OFF is shown.</p> <p>When the ignition switch is turned to the ON position (or to the ACC position), the player automatically switches on.</p>	<p>You fail to connect the manual brake wires or fail to turn on the manual brake.</p>	<p>Connect the manual brake wire and then turn on the manual brake.</p> <p>This is quite normal.</p>

Product specification

Power: 12V DC (allowable range: 10.8-14.5V)

Grounding system: Negative pole type

Mainframe :

Maximum consumption of current: 15A

Size (W*H*D): 178*100*186mm

Weight y: 3.5kg

Display screen

Size/horizontal-vertical ratio: 6.2"/16:9

Pixel: 336,960 (1440*234)

Type: TFT active matrix

Color system: Full system

Range of operating temperature: -20°C ~ +70°C

Range of storing temperature: -30°C ~ +80°C

Angle regulation: 0°C ~ 50°C

Audio

Maximum output power: 45W*4

Load impedance: 4 Ω (allowable range: 4-8 Ω)

Advance output level/impedance: 4.0V/200 Ω

Encoder: Linear PCM/Dolby digital/Dolby professional edit II/DTS

DVD player

System: DVD audio, DVD video, VCD, CD, DTS CD and M P 3 s y s t e m

Discs available: DVD audio disk, DVD video disk, VCD, CD, DTS CD

Number of tracks: 2 (stereo), digital 6 tracks

MP3 encoding format: MPEG-1 and 2 and Audio level 3

FM frequency modulator

Frequency range: 87.5~108.0 MHZ

Effective sensitivity: 10 DB(S/N: 30 DB)

AM modulator

Frequency range: 531~1, 629KHZ(9KHZ)

Effective sensitivity: 30 DB (S/N: 20 DB)

Packing List

No	Name	Qty	Remarks
1	Mainframe	1	
2	Remote control	1	Battery included
3	Accessories Bag	1	
4	Power cord, etc	1	1 set
5	Tool for Mainframe	1	1 set
6	Operation instructions	1	

Any possible change in product specification will not be notified particularly.

