Car Audio System

Statement

- This product manual tries to provide more comprehensive and detailed information as possible in spite of no more references to consult. Our company reserves the right to make changes of the contents of this manual without further notice.
- In case of discrepancy of the picture with the actual product, it is subject to the actual product.

As contents of this product manual may be changed after printing, please ask for updated information to your local distributor.

LEADING
AUTO FASHION

CAR AUDIO NAVIGATION SYSTEM

V2 Product Manual

Content

(Ⅰ) Basic Functions....1
(Ⅱ) Precautions Before Using....1
(Ⅲ) Basic Functions of Panel....3
(Ⅳ) Functions of Radio....6
(Ⅴ) DVD Play Functions....7
(Ⅵ) Touch Screen Operations (Applicable Touch screen Function)....8
GPS Navigation System....8
Radio....8
Bluetooth Call....9
AUX....9
DVD....10
Bluetooth Music....12
IPOD Play....13
Setup....13
USB/SD Play....15
(Ⅶ) Use and Maintenance of CD....16
(Ⅷ) Troubleshooting....18
(Ⅸ) Connection Guide, Machine Connection Illustration....19
(Ⅹ) Performance Indexes....20
(Ⅺ) Steering Wheel Control Functions....21

Car Audio System

Overview on Basic Functions

This product uses a HD digital touch screen featuring bright and clear image. With a quality audio processing chip, the product achieves a perfect audio and video effect. This is an efficient multimedia operating platform supporting one-key GPS satellite navigation system, Bluetooth call, Bluetooth music and external IPOD play, USB/SD play, CMMB digital TV functions. Smart steering wheel control function makes a perfect combination of the product with the original car achieving a one-step operation, and thus this product is ideal for you.

Precautions before Use

To avoid accidents, please carefully read the followings before installing and operating this machine:

(Ⅰ) Safety

1. Please abide by the local traffic rules and regulations;
2. Drivers are prohibited watching and operating this machine during driving a car, for this will cause distractibility;
3. When watching or operating the machine is needed, please park the car at a safe place.

(Ⅱ) Installation

1. Qualified technicians or servicing personnel are recommended for installing the machine;
2. If try to install by yourself, please follow the guidance on installation and connection as per this product manual;

(Ⅲ) If the car is parked under direct sunshine, it is a must thoroughly cooling the machine before installation. Before opening this machine, please make sure temperature in the car is ranging (+60℃)-(-20℃);

(Ⅳ) Please don't use this machine in a strong magnetic environment (GPS, Bluetooth, digital TV shall be affected);

(Ⅴ) In rainy days or an extremely humid place, moisture dew shall be caused in the machine. In this case, this machine can't run normally. At this moment, please don't use it until moisture removed or waiting for moisture vaporized.

(Ⅵ) For high quality audio effect, it is strictly prohibited to have juice or other liquids splattering on this machine or CD;

(Ⅶ) Before turning off the car, please firstly power off this machine. Otherwise, power switch of the machine will cause consumption of car battery.

(Ⅷ) Keep CD entrance lean. In case of any dust, clean with a piece of soft cloth immediately. Don't place a dirty CD in the machine before cleaning a piece of soft cloth. Otherwise, dust will be brought in the machine with the CD from the entrance, and that will cause playing effect lowered for long term or fail to place in or eject the CD. As a matter of fact, this is not a failure. To solve this problem, professional are needed for disassembling and cleaning the machine, and that is very inconvenient.

(Ⅸ) Long term playing CD or playing at a high volume will shorten lifespan of the machine. For longer lifespan of the machine, please play at medium volume;

(Ⅹ) Don't make unauthorized modification of the machine. Modification may probably cause accidents;

(Ⅺ) Laser head may be damaged if to play CD when driving along seriously rugged road. Playing a non-standard or seriously damaged will cause the laser head damaged;

(Ⅻ) The following CD can be played with this machine:

Icon	Connotations	CD Size
MP4	Available for MP4 disk saved in format of *.avi, *,dat	12CM
DVD VIDEO	In video mode, available for functions of DVD VIDEO, DVD±R/DVD±RW	12CM
VIDEO CD	In video VCD format, available for functions of video CD or CD±R/CD±RW	12CM
COMPACT disc DIGITAL AUDIO	In music format, available for functions of music CD or CD±R/CD±RW	12CM
MP3	Available for functions of files in PM3 format stored on CD-ROM/CD±R/CD±RW/DVD±R/DVD±RW	12CM
JPEG	Available for functions of files in JPEG format stored on CD-ROM/CD±R/CD±RW/DVD±R/DVD±RW	12CM

Note: ① This machine is compatible with CD MP4/DVD/VCD1.0/1.1/2.0/3.0 version;
② When playing DVD, VCD, MP3 or CD, the display will automatically identify the CD and dhow the corresponding description. When "Invalid" is displayed, that means it is invalid in this mode. Please select other function. Refer to related instructions for more details.

Basic Functions of Panel

(Ⅰ) PWR – Power switch

1. In power-off mode, if to press PWR button on the panel, the machine shall be powered on. In power-off mode, if to long press this button, the machine shall be powered off;

2. In any mode to short press the PWR button, the machine shall be kept mute.

(Ⅱ) GPS -GPS function

In power-on mode, after selecting navigation route, press GPS button to enter GPS navigation mode, and press it again to return the previous mode.

(Ⅲ) VOL – Volume level

In normal mode, turn the VOL button clockwise to have the volume increased, and turn it counterclockwise to decrease the volume.

(Ⅳ) SRC – Functional mode switchover

In normal mode, short press the SRC button to switch over among the functions of navigation system, radio, AUX input, DVD, digital TV, Bluetooth music, IPOD and setup.

(Note: Corresponding matching devices are required for navigation system, DVD, digital TV, IPOD functions.)

(Ⅴ) ⏮ previous radio station

In radio mode, click ⏮ to select the previous radio station, Play/long press this button to automatically search radio stations towards low frequency.

In DVD mode, click ⏮ to play the previous one.

(Ⅵ) DIM brightness adjustment

In any mode, if to press the DIM button, there will be three levels of brightness to be displayed.

(Ⅶ) ▶▶| next radio station

In radio mode, click ▶▶| to select the next radio station, long press ▶▶| to automatically search radio stations towards high frequency.

In DVD mode, click ▶▶| to play the next one.

(Ⅷ) FM – waveband

In non-radio mode, press the FM button to switch to the radio mode, and press it again to switch over among the various wavebands:

FM1 – FM2 – FM3 – AM1 – Am2

(Ⅸ) RES – reset

In case of messy code or any abnormality (e.g. malfunction of keys) with the machine, a pin of 0.5mm can be used to press it for reset. When pressing the reset button, the machine will automatically restore to the default values.

(Ⅹ) DVD play DVD disk

Press DVD to enter disk reading mode.

(Ⅺ) ENT Play/Pause

In power-on mode, enter DVD mode; press ENT to pause playing the disk, and press it again to go on playing.

(Ⅻ) MENU menu

Press MENU button to enter the main menu mode.

(ⅩⅢ) ▲(EJECT) - disk in/out

In mode playing a disk, if to eject the disk, please press ▲ button; if not to take the disk away a10 seconds after ejection, the disk will automatically be loaded in again.

Function of frequently used icons

▶II	Play/Pause	■	Stop
⏮	Previous	◀◀	Fast forward
⏭	Next	▶▶	Fast backward
	Screen brightness mode		Mute
	Back		Back to main interface



Main interface

Radio Functions

(Ⅰ) Waveband selection

Press SRC button to switch over to radio mode, and then press BAND button to select programs at various wavebands (FM1/FM2/FM3; AM1/AM2).

(Ⅱ) Browse/automatically save radio stations

Short press PS button to browse all the radio stations saved at this waveband (7 seconds for each one). When browsing a favorite radio station, press PS button again. At this time, the selected radio station shall be played, Press button will enable automatic saving function, and the radio shall start searching from the current frequency automatically save the stations searched. The radio station with stronger signal shall be saved before those with weak signal.

(Ⅲ) Store

If to press ST button, the radio will enable the function of automatic storing to automatically save the radio stations searched and displayed at the right waveband.

(Ⅳ) Manual/Automatic searching

1. Manual searching: short press or to manually search radio station frequencies upwards or downwards;
2. Automatic searching: long press or to automatically search radio station frequencies upwards or downwards.



Radio interface

DVD Play Functions

(Ⅰ) Basic play

1. When to enjoy a disk program, place a disk into the CD entrance with the side with label upwards, it will start playing automatically;
2. In other mode, if there is a disk available already (Another disk is strictly prohibited to insert in.), press SRC button to switch over to DVD disk playing mode. It will then automatically play audio programs in CD or SD, USB device.

(Ⅱ) Read/Eject ▲

In disk reading mode, if to eject the disk, please press ▲ button. In case of fail to take the disk away 10 seconds later after ejection, the machine will automatically slide the disk in.

(Ⅲ) Right knob

If to skip to previous or next section, please turn the Right Knob leftward or rightward.

(Ⅳ) MP3 music selection to play

1. Method 1 for music selection to play:
When a MP3 disk enters playing to select music to play, short press remote control button ▲ - downward 1 music increased, short press ▼ - downward 1 music decreased.
2. Method 2 for music selection to play:
When a MP3 disk enters playing to select music to play, you may directly select music by touching in the being played disk, and you may also press (0-9) keys or 10+ key on the remote controller to select music. Press ENTER or ▶|| button on the remote controller to play it.



(Ⅴ) USB/SD play functions

When connecting a USB/SD card to the machine, the system will automatically identify all audio/video files and pictures in it and automatically play it.

Touch Screen Operation (Applicable touch screen functions)

Main menu: In standby mode of the machine, short press PWR button to power it on and enter the main menu. The main menu includes DVD, Radio, Navigation, Bluetooth and the homepage includes CD-ROM, IPOD, AUX, Setup, USB, and SD card operations.

(Ⅰ) GPS navigation

1. In the main menu, click NAVIGATION to directly enter the navigation mode (Note: When inserting the navigation for the first time, you are required to follow the steps below:
Homepage – Next page – Homepage 2 – Setup – System Setting – Click ◀ - Select navigation route – Select the first option at top right corner – Select Navione file folder – Select Navione.exe file – Back, and then operation is completed.
2. Press button to return to the main menu. Click navigation system or GPS button to enter the navigation system mode.
3. Check navigation signal: Press button to enter the main menu and click NAVIGATION SUPERVISION to enter GPS signal viewer.

(Ⅱ) Radio

Click the menu to enter Radio mode.

1. Click FM button to switch over among FM1-6, FM2-6, FM3-6; press AM button to switch over between AM1-6, AM2-6.
2. When to click button, the radio will start searching from the current frequency point and perform automatic saving. The radio stations with strong signal will be saved before those with weak signal.
3. Click or to automatically search radio stations upwards or downwards;
4. Click or to manually search radio stations upwards or downwards;
5. PTY/TA/AE function is shielded.

(Ⅲ) Bluetooth call

Click Bluetooth icon in the main menu to enter the Bluetooth call mode.

1. Click the Bluetooth function in the main menu to enter this function. And then open Bluetooth function on the mobile phone (Bluetooth function is required for the mobile phone.), then, find audio attachment for searching, and the device is named as CAR KIT.
2. Select for pairing, the password is 0000 (You may change the password). After pairing completed correctly, in case of an incoming call, the system will automatically switch over to Bluetooth handfree interface. Click yes for a talk on the phone. At completion of the talk, the system will automatically return to the original operation state. As shown in the figure. (Note: After turning off the original Bluetooth pairing, the main unit will not pair with other mobile phones until the Bluetooth is enabled 30 seconds later, this is because the main unit searches for the former paired mobile phone after turning off the Bluetooth of the mobile phone within 30 seconds.)
3. If to click menu Bluetooth call function and enter the call number (Directly click numbers on the touch screen), if then to click yes , you may make a call out.
(Note: this function indicates the mobile phone Bluetooth is connected with the machine Bluetooth.)
4. Click C to clear.
5. Click SETUP for setting password, automatic answering;
6. Click CONNECTION for connecting with Bluetooth device;
7. Click DISCONNECTION to disconnect the Bluetooth device;
8. Click HANDFREE SWITCHOVER ICON for switching to Bluetooth call; of this machine;
9. Click HANDFREE SWITCHOVER ICON for switching to this machine, cancel handfree function of this machine.



Bluetooth setup interface

(Ⅳ) AUX

Click the menu to enter AUX mode.

(V) DVD Play

Click the menu to enter DVD play mode, and click center part of the screen to display operation column.

1. Click USB to enter USB play. (In case of no USB device available, there will be "No USB" displayed.);
2. Click SD to enter USB play. (In case of no SD card device available, there will be "No SD" displayed.);
3. Click CD to enter CD play. (In case of no CD device available, there will be "No CD" displayed.);
4. When playing DVD disk, click ■ to stop playing;
5. Play operation menu functions:
   ① Click » to enter next page operation menu;
   ② Click « to enter previous page operation menu;
   ③ Click PBC for menu play selection function (Menu play On/Off);
   ④ Click REP to enter repeated selection function (Repeat all, repeat one, repeat list, off);
   ⑤ Click AUD to enter sound track selection function (stereo, left track, right track, mixed track);
   ⑥ Click SUB to enter caption switchover function (It is valid when playing a multiple caption file.);

6. Click SET to enter system setup function – default setting

- Default setting
  - Interface language displayed (English, Chinese, German, Spanish, French)
  - Audio language (Chinese, English, Japanese, French, Spanish, Portugal, Latin, German)
  - Caption language (Chinese, English, Japanese, French, Spanish, Portugal, German, Off)
  - Menu language (Chinese, English, Japanese, French, Spanish, Portugal, Latin, German)

7. Click SET to enter system setup function – audio setting

AUDIO SETUP: digital output (SPDIF/Off, SPDIF/source code, SPDIF/PCM)

8. Click SET to enter system setup function – video setting

- VIDEO SETUP
  - Brightness
  - Contrast
  - Tone
  - Saturation
  - Sharpness

9. Click SET to enter system setup function – speaker setting

SPEAKER SETUP
- Mix mode (LT/RT, stereo, virtual surround)
- Front speaker (Big speaker, small speaker, mixed speaker)

10. Click SET to enter system setup function – Dolby digit setting

DOLBY DIGIT SETUP
- Output mode (Cable output, RF adjustment)
- Dynamic range (OFF, 2/8, 4/8. 6.8)
- Left + Right (stereo,left track, right track, mixed track)

(VI) Bluetooth music

Click the menu to enter Bluetooth music play mode.

When the mobile phone pairs with the Bluetooth of the machine ready and the mobile phone is set to Bluetooth stereo output, press ⏮ for playing the previous, ⏯ for pause, ■ for stop, ⏭ for the next, to control mobile phone music play.

(Note: Some mobile phones do not support Bluetooth music output.)

(Ⅶ) IPOD Play (Optional)

Click the menu to enter IPOD play mode.

1. Click MENU to enter IPOD file folder;

2. In the list of IPOD file folder, click ▲ or ▼ to select all files needed, and click "OK" to open the file.

Note: In IPOD play mode, please don't unplug the connecting cable of the main unit with the IPOD, for that will cause IPOD halted.

(Ⅷ) Setup

Click the main menu SETTING ICON to enter SETUP mode.

1. Universal setup

(1) Selecting navigation route

When replacing map card or inserting the map card for the first time, select the navigation route – Select – Click Navione file folder – Click Navione.exe file – Back, and then setup is finished.

(2) Brake setup: Hand brake setting switch;

(3) GPS sound mixing: to enable or disenable backstage sound and output GPS voice at the same time;

(4) Backlight brightness: Screen brightness are classified into 4 levels;

(5) Startup default volume switch: To set startup volume as the default volume;

(6) Screen calibration: To calibrate display screen touch;

(7) Factory setting: Enter password to enter factory setting;

(8) Startup LOGO: to enter it for setting any startup LOGO;

(9) Version: to check version number;

(10) Reverse volume: To enable or disenable backstage sound during reversing;

(11) Default volume: To set default startup volume;

(12) Restore factory setting: To restore factory setting for the machine system.

2. Time setup

(1) Slide hour area upwards and downwards to adjust values of hour;

(2) Slide minute area upwards and downwards to adjust values of minute;

(3)Slide year button area upwards and downwards to adjust values of year;

(4) Slide month button area upwards and downwards to adjust values of month;

(5) Slide day button area upwards and downwards to adjust values of day;

(6) After selecting the time, click "OK" to save your settings.



Time setup interface

3. Video setup

(1) In the video setup interface, slide leftwards and rightwards to adjust brightness, contrast, tone data;

(2) Press STANDARD, BRIGHT, SOFT to enter the corresponding image effect state.

4. Audio setup

(1) In audio setup interface, slide leftwards and rightwards to adjust volume of treble, alto, bass;

(2) Press LOUD, amplifier voice output power increases;

(3) Click FRONT, BACK, LEFT and RIGHT to respectively adjust the front, back, left and right speaker;

(4) Scene mode selection: Click LIVE, CONCERT, CAVE, BATHROOM, HALL, AREBA for selecting among the six different tone quality effects;

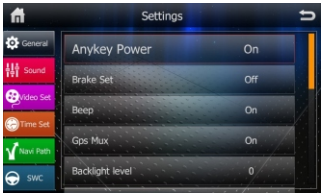


Sound setup interface

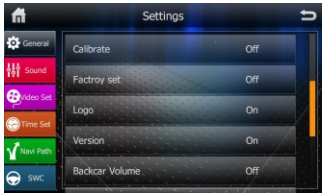
(5) Sound effect setup: Set the six sound effects include: individualized, popular, rock, jazz, classic and Flat.

5. Touch calibration setup

Click the cross point of "+" symbol displayed on the calibration screen with pen point. At this time, as long as pressing and holding the center of "+" to wait, when another "+" symbol is displayed, you may release the current "+", and do this in turn for all the "+" symbols displayed. When "OK" is displayed, click it for finishing setting.



Setup interface 1



Setup interface 2

(X) USB/SD Play

Click Main Menu to enter USB/SD PLAY mode.

1. When music saved in U-disk or SD card in MP3 and MP4 formats, click MP3 or MP4 to select the corresponding audio and video files;

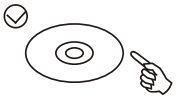
2. Music selection: When couples of file folders saved in your USB/SD card, directly click the file name at left side of the screen, and then click the music name at the right side, and now you may play the music.

3. In case of YSB/SD video file, click center part of the screen to have operation column displayed, press button to return to the play menu.

Use and Maintenance of CD

(Ⅰ) If to use seriously scratched or defect CD, this machine may probably stop playing;
(Ⅱ) If to use polluted or damaged CD, skipping may be caused during playing. For optimized sound effect, the followings are to be abided by:

1. Take edge of the CD but not to touch its surface for keeping it clean;





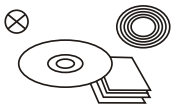
2. Don’ t paste paper or adhesive tape on the CD;



3. Don’ t use the CD with grume or residual ink;



(Ⅲ) Keep the CD away from direct sunshine, or keep it far from heat source like heating pipe. In hot weather, temperature in the car will sharply rise, thus the CD is not recommended to be kept in the car.

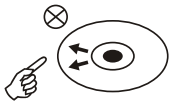


(Ⅳ) Don't use the old CD with label almost peeling off as the peeling part is with grume left.



Don't use the CD with label or brief note on.

(Ⅴ) Before playing, please clean it with a piece of soft cloth starting the center to edge.



Cleaning with solution like alcohol or thinner is prohibited.

(Ⅵ) When keeping the CD for long idle, please keep it in CD-ROM or CD holder;
(Ⅶ) This machine can’ t play non-standard CD (e.g. heart-shaped, square or star-shaped CD). If to try playing suck kind CD, that may cause damage to the machine;
(Ⅷ) BCM CD can’ t be played with this machine;
(Ⅸ) This may probably can’ t play some CD-R/CD-RW CDs (That depends on device or CD used for burning the CD.).

Troubleshooting

Problems	Reasons and Solutions
Fail of power supply	1. Check if the fuse is broken, and replace it if necessary; 2. Caused by improper connection, and connect again;
Invalid keys	Program messy code, press Reset button to solve it, or disconnect power supply and restart the machine.
Fail to search radio stations	Check if antenna is available or connected properly. In case of this, please properly insert or connect the antenna.
Poor effect of radio station	1. Length of the antenna is set improperly. Check if the antenna is fully stretched out or broken. If it is broken, please change to a new one; 2. Too weak broadcasting signal; 3. Poor grounding of the antenna. Please make sure that if there is reliable grounding connected to the antenna.
Poor anti-vibration effect	1. The laser head gets dirty. Please have professionals clean it; 2. Aged laser header needs to be replaced;
Fail to place CD in	There is a CD available in the machine.
Stereo indication flashes to display "STERO"	1. Accurately tune the radio frequency; 2. Too weak broadcasting signal (Please press ST button to turn off stereo).
Noise, image jittering, colorless	1. CD is damaged or dirty; 2. Improper setting of the color system. Set color system to "PAL" or "NTSC" based on the TV set connected.
Invalid GPS	Take the card out and insert it again, set navigation route again
Signal with digital TV	1. Fail to connect the antenna, reconnect it; 2. This function is unavailable in this area.
Fail to read SD/USB	1. Improper connection; 2. The type of card is not supported, and currently supports only 4G card.

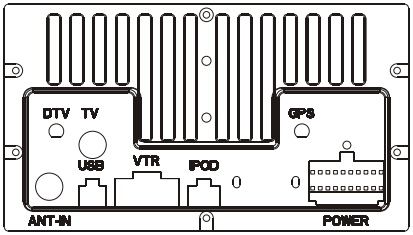
Connection Guidance/Machine Connection Illustration

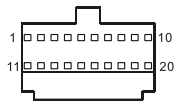
(Ⅰ) This machine uses DC 12V, negative pole grounding system. Before installation, you are required to make sure if your car is a product with electric system of this kind;
(Ⅱ) Subwoofer and automatic antenna of this machine are powered respectively;
(Ⅲ) It is a must to perform connection following the connection diagram. Improper connection may cause failure to the machine or damage to the electric system of the car;
(Ⅳ) (-) lead of the speaker must be connected with (-) terminal of the speaker, and it is strictly prohibited to connect it with car frame or to each speaker;
(Ⅴ) Never have vents or heating panel blocked to avoid machine damage caused by overheat inside the machine.

left and right support screws can' t be over 8MM. Otherwise, parts of machine may be damaged.

Connecting Illustration

DC voltage: 12V Machine current: <15A





		8	Right track of front speaker (+)
		9	Left track of front speaker (-)
		10	Left track of front speaker (+)
		11	Brake line
		12	Reverse supervision
		13	Headlight supervision
1	CAN+	14	ACC
2	CAN-	15	B+
3	Steering wheel control line 2	16	Grounding wire
4	Steering wheel control line 1	17	Right track of back speaker (-)
5	Automatic antenna	18	Right track of back speaker (+)
6	IR	19	Left track of back speaker (-)
7	Right track of front speaker (-)	20	Left track of back speaker (+)

Performance Indexes

FM Radio
Frequency range.....87.5~108 MHZ
Intermediate frequency.....10.7MHZ
SNR.....60dB
Stereo crosstalk.....60dB

AM Radio
Frequency range.....522~1620KHZ
Intermediate frequency.....450KHZ
Noise sensitivity.....33dB

DVD audio play
SNR.....70dB
Frequency range.....42HZ~20KHZ
Separation.....65dB

Overall
Power supply.....13.8V DC
Output power.....4CH X 45W
Speaker resistance.....4~8 (ohm)
Installation dimensions.....177 (L) x 145 (W) x 100 (H)MM

Steering Wheel Control Functions

Homepage – Setup – Steering Wheel Setup
Steering wheel key setup

Setting method (Automatic): FYTlek
1. Long press the keys on the steering wheel to set for 3 seconds, and then release it;
2. Click the buttons needed;
3. At completion of setup, click "OK" to save your settings.

Clearing method:
Click "Reset" button to clear your settings. You may learn the steering wheel again.

Note: Reliable connection of original steering wheel control line is required for this function.



Steering wheel key interface