TWO DIN CAR AV ENTERTAINMENT SYSTEM

USER MANUAL

Digital LCD
800X480dpi
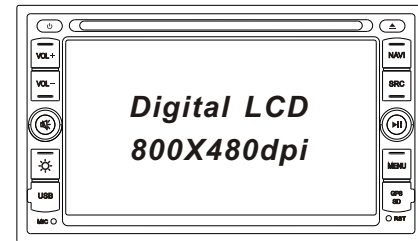
Please read the manual carefully before installing and using this product.

SAFETY

The power supply of this unit is 12V only (negative ground), please don't connect it to 24V, otherwise it will damage this unit.

Don't operate the machine during driving. Please do not watch program or operate machine while driving to avoid the traffic accident.

Please install machine by professionals for the purpose of safety and normal usage. Never disassemble or repair unit without permission to avoid damage or accidents.

Please don't place products in damp environment or water to avoid electric shock from short circuit or damage and fire.

The LCD screen of this product adopt exact electronic configuration. Please don't knock TFT LCD hard with hand to avoid damaging product.

The reverse camera function is auxiliary, manufacturer is not responsible for any accident from backing a car.
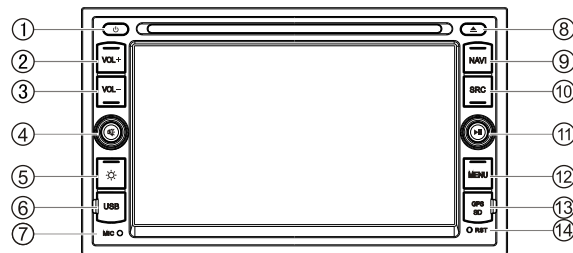
Catalogue

⚠ ATTENTION

Please read the manual carefully in order to use the product in a safe and proper way. Any modification of specification and design for technical improvement will not notice again.
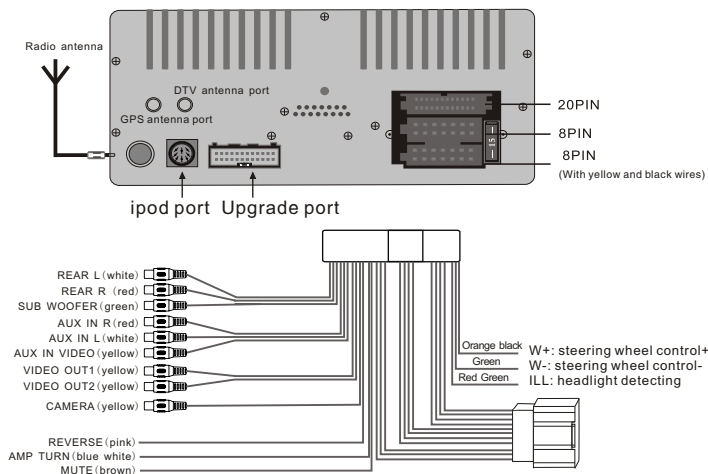
PANEL OPERATION INSTRUCTION

NO	Key	Function description
①	⏻	Power
②	VOL+	Volume+
③	VOL-	Volume-
④	🔇	Mute
⑤	☀	Brightness adjustment
⑥	USB	USB port
⑦	MIC	MIC
⑧	⏏	Disc out
⑨	NAVI	GPS/background switch
⑩	SRC	Function switch
⑪	⏯	Play/Pause
⑫	MENU	Back to main menu
⑬	GPS SD	Navi MINI card slot
⑭	RST	System reset

SYSTEM WIRING

System wiring diagram

Radio antenna

DTV antenna port
GPS antenna port

20PIN
8PIN
8PIN
(With yellow and black wires)

ipod port Upgrade port

REAR L (white)
REAR R (red)
SUB WOOFER (green)
AUX IN R (red)
AUX IN L (white)
AUX IN VIDEO (yellow)
VIDEO OUT1 (yellow)
VIDEO OUT2 (yellow)
CAMERA (yellow)

REVERSE (pink)
AMP TURN (blue white)
MUTE (brown)

Orange black
Green
Red Green

W+: steering wheel control+
W-: steering wheel control-
ILL: headlight detecting

* Connection order: Please make the wiring of products first, then connect the wires of car.

⚠ ATTENTION

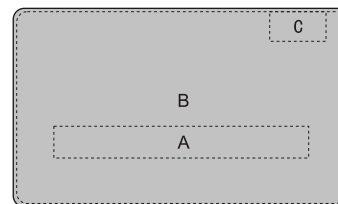Please take power from car ACC or BATT controlled by ACC while wiring.

Power on/off

Press " ⏻ "key to power on/off unit.
Press " ⏻ PWR " key to power off unit under main menu.
Everytime unit is powered on, it will enter into the background working mode automatically before closing unit last time.

TOUCH AREA EXPLANATION

C
B
A

1、Press "A" area to show up the setup menu of audio and display, such as: volume、 bass、 treble、 left right、 front back、 brightness、 contrast、color、close etc. Press″

VOLUME ▬▬▬▬▬   09   ″to modify value.

2、Press"B" "C" area to show up the operation menu (please check the concrete operation method for every mode)

Note: press"C" area to show up the operation menu under"CMMB、MP3、JPGE、etc.,then press"A" area to enter into audio adjustment.

MAIN MENU OPERATION INSTRUCTION

Enter into main menu

Users can enter into the main menu via the following methods:
1、press " ↩ " key under radio mode.

2、under DVD/DTV/AUX/CAM/IPOD modes,press screen
to show up the operation menu then press〞 ＂key

3、press 〞 ＂key in panel to enter into main menu directly.

Exit main menu

1、In the main menu, if there is no operation within ten seconds, it will exit main menu and return to the background mode before entering into main menu.

2、press〞 ＂ key in the main menu to exit main menu and return to the background mode before entering into main menu.

Keystroke number	Name	Function explanation
①	RADIO	Enter into radio mode
②	DVD	Enter into DVD mode
③	DTV	Enter into DTV mode
④	BT	Enter into BT mode
⑤	USB	Enter into USB mode

Keystroke number	Name	Function explanation
⑥	Day/Night	Screen brightness adjustment
⑦		Return to previous memory state
⑧	NAVI	Enter into navigation mode
⑨	iPod	Enter into IPOD mode
⑩	AUX	Enter into AUX mode
⑪	CAM	Enter into rearview camera mode
⑫	SET	Enter into setup
⑬	PWR	Power off unit

RADIO FUNCTION OPERATION

Press〞 ＂ on the panel or 〞 ＂in the main menu to enter into radio mode.
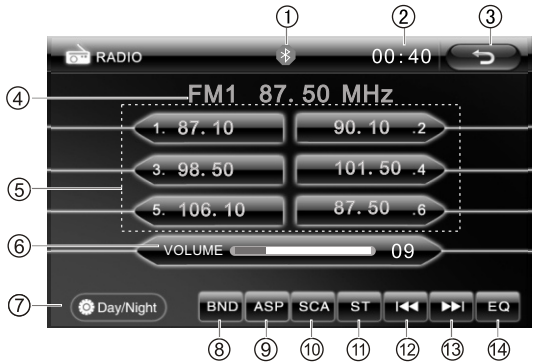
Keystroke number	Name	Function explanation	
①	✳	Bluetooth connection state(grey means BT is not connected, blue means BT is connected)	
②	00:40	Time display	
③	↩	Enter into main menu	
④	FM1 87.50 MHz	The current channel playing	
⑤		Channels storage area	
⑥	VOLUME 09	Volume display.	
⑦	Day/Night	Brightness mode	
⑧	BND	Bands:(FM1/FM2/FM3/AM1/AM2)	
⑨	ASP	Press momently	browse stored channels(browsing time is 5 seconds)
		Press continuously	search and store channels(the total channels stored: FM:18, AM:12)
⑩	SCA	Browse channels(browing time is 5seconds,browsing channels include not stored channels)	
⑪	ST	Stereo(only parts of channels supported)	
⑫	◄◄	Press continuously	search the previous channel
		Press momently	listen to the previous channel
⑬	►►I	Press continuously	Search the next channel
		Press momently	listen to the next channel
⑭	EQ	EQ (five modes:rock、class、jazz、custom、pop)	

Search and store channels

In bands(FM or AM), press″ ASP ″key for two seconds at least, the unit will begin to search channels automatically and store the channels searched into storage area in order.

Channels searching will stop automatically after the storage space is fufilled.

Thereinto FM has 18 storage channels (3bands×6storage stations), AM has 12 storage stations.

Listen to radios

Press the stored channel directly in the channels storage area to choose the channel you want and press the ″ BND ″ keys synchronously to switch bands to make more choice.

Press continuously/momently″ ◄◄ ″ ″ ►►I ″ in the screen to search and listen to the previous channel and next channel(press continuously to search the channel not showing in the storage area), the channel listening will be showing on the screen.

Channel browsing

Press″ ASP ″ key to listen to the channels in the stored area for 5 seconds of trial browse.

Press ″ SCA ″key to listen to all channels for 5 seconds of trial browse.

Radio stereo

Press the key″ ST ″ to switch to stereo mode.

⚠ ATTENTION

Such function requires channel supporting stereo mode,part of channels have no such function!

BLUETOOTH FUNCTION OPERATION

Enter into BT mode

1、press 〞〞icon to enter into bluetooth mode.

2、press〞〞to enter into bluetooth mode in the main menu.

(Note : bluetooth connection code:0000)

Keystroke number	Name	Function explanation
①		Return to the mode prior to bluetooth
②		Keystroke area
③		Number display area
④		Clue on connecting state
⑤		Dial-up
⑥		Clear
⑦		Hangup
⑧		Mobile speaking switch
⑨		Day/night mode: brightness mode selection
⑩		Mute: mute
⑪		Notebook: talk record
⑫		Audio/video adjustment(touch control)

Enter into bluetooth talk record

Keystroke number	Name	Function explanation
①		Return to the mode prior to bluetooth
②		Phone dialed out
③		Phone answered
④		Phone not answered
⑤		Hangup
⑥		Last tune
⑦		Play/pause
⑧		Stop
⑨		Next tune
⑩		Clear
⑪		Phone number display area
⑫		Return to previous menu
⑬		Audio/video adjustment(touch control)

⚠ ATTENTION

Bluetooth has lasting power supply circuit which can continue to work after unit is powered off. If the bluetooth is not cut off when power off, the unit will start to work automatically and enter into blueooth mode if there is a bluetooth phone call coming in.

DVD FUNCTION OPERATION

Enter and exit

There is two ways to enter into DVD mode:

1、press〝 SRC 〞key to switch to DVD mode.

2、press 〝 DVD 〞into DVD mode in main menu.

Exit DVD mode:

1、press 〝 〞on touchscreen to exit DVD mode and back to main menu.

2、press〝 SRC 〞key to exit DVD mode and switch to other modes.

DVD function keys explanation

Press C area in the touchscreen to show up the DVD function keys
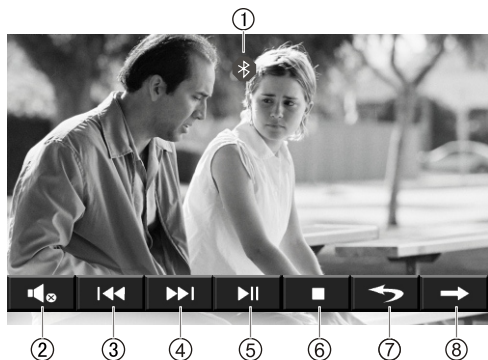
Play control menu

Keystroke number	Name	Function explanation
①		Bluetooth connection state(gray is not connected and blue is connected)
②		Mute key

Keystroke number	Name	Function explanation
③		Previous tune
④		Next tune
⑤		Play/pause
⑥		Stop
⑦		Enter into main menu state
⑧		Next page(enter into set menu of play mode)
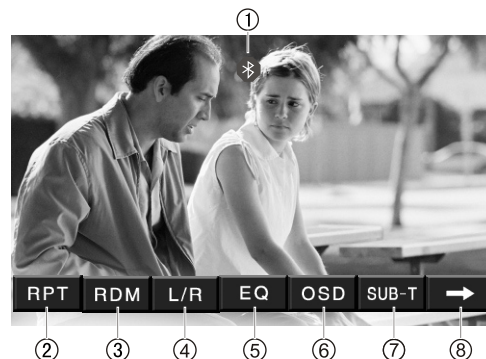
Setting menu of play mode

Keystroke number	Name	Function explanation
①		Bluetooth connection state(gray is not connected and blue is connected)
②	RPT	Repeat playing
③	RDM	Random playing
④	L/R	Track selection (options:left/right/stereo)
⑤	EQ	EQ: (five modes: rock、class、jazz、custom、pop)
⑥	OSD	Display（disc info.）
⑦	SUB-T	Sub-title
⑧		Next page(enter into direction control menu)
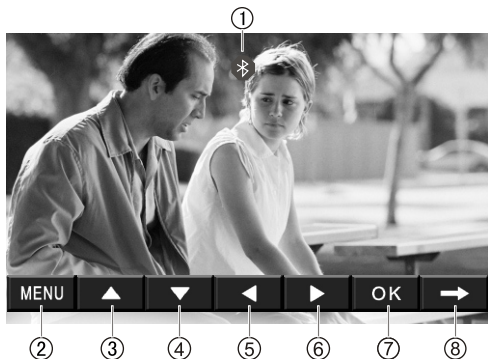
Direction control menu

Keystroke number	Name	Function explanation
①		Bluetooth connection state(gray is not connected and blue is connected)
②	MENU	Menu
③	▲	Upward
④	▼	Downward
⑤	◄	Leftward
⑥	►	Rightward
⑦	OK	Enter
⑧	➡	Next page(enter into play control menu)

MP3/MP4/JPEG DISCS PLAYING

Operation explanation
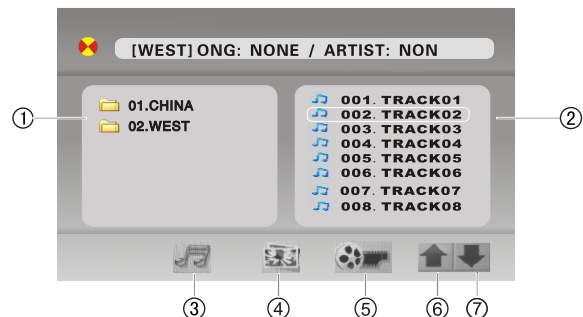
Keystroke number	Name	Function explanation
①		File position
②		MP3/MP4/JPEG file list.
③		MP3 display
④		JPEG picture display
⑤		MP4 display
⑥		Upward selection
⑦		Downward selection

While playing MP3/MP4/JPEG format discs, press touch screen menu directly to make an operation or use ″DVD″function menu to make an operatoin.
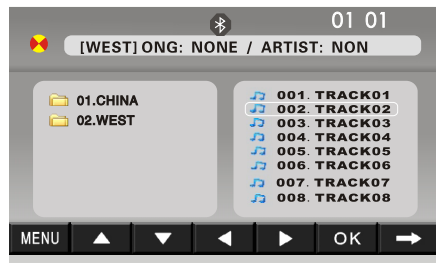
Picture browsing function explanation
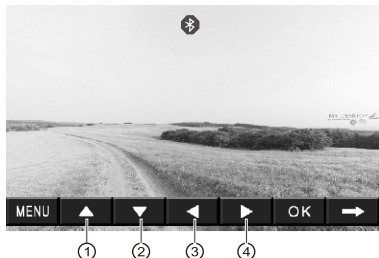
Keystroke number	Name	Function explanation
①	▲	Up and down mirror
②	▼	Left and right mirror
③	◄	Anticlockwise turn
④	►	Clockwise turn

IPOD FUNCTION OPERATION

Play iPod music:
When iPod is connected with unit correctly. Touch iPod character in the
main menu and system will enter into iPod operation menu.
Touch "touch area" and enter into iPod operation menu,
Select "Playlists" via cursor direction key and press "OK" into next
menu, select "Administrator iPod" via cursor key and press "OK" to display
all music, then press "OK" key to start playing music in iPod , Please check
the play control menu of DVD for the reference.

USB FUNCTION OPERATION

Enter into USB interface
Unit will enter into USB data reading interface
automatically after USB is plugged.
Press the ″   USB ″ in the menu and enter into USB state.

Exit multi-media MINI card reading interface
Press″ SRC ″on panel to exit USB reading interface.
Please refer to introduction of MP3 disc playing for the USB
interface reading.

⚠ ATTENTION
Please don't unplug USB during playing to avoid the unit failure or
data losing.

REVERSE FUNCTION OPERATION

The unit will switch to rear viewing camera mode after car is
switched to the reverse gear:
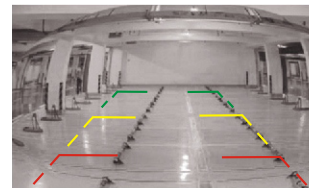
SYSTEM RESET

Please use tool to touch the "RST" key in the panel when the
unit has problem or need to return to the factory setup. The
system will close the unit and reset all setting back to the original
ones.

STEERING WHEEL CONTROL SETTING OPERATION

In AUX mode, press the "C" area to show up operation menu and press ″ ⊚ ″ key continuously to enter into steering wheel control setting.

Keystroke number	Name	Function explanation
①	↩	Back to AUX state
②		Evaluating area
③	Day/Night	Brightness adjustment
④	RESET	Reset (cancel all data)
⑤	CLEAR	Modify (modify some key value)
⑥	ENTER	Enter

Defining method

While pressing the steering wheel control buttons, press the the relevant key in the touchscreen. While the key is in the ″pressed state″, release from steering wheel control button and switch to another one to continue it, press″ ENTER ″key to confirm and exit after buttons are finished with defining.

SYSTYEM SETTING OPERATION

Press ″ ✕ SET ″ in the main menu and enter into system setup menu

Keystroke number	Name	Function explanation
①	↩	Return to the previous mode
②		Menu setting
③		Hour setting
④		Minute setting
⑤	Day/Night	Brightness adjustment
⑥	OFF	Navigation background audio off
⑦	OFF	Such funtion not available now
⑧	ON	Beep on/off
⑨	24	Time mode
⑩	TIME	Time show on/off

Keystroke number	Name	Function explanation
①		Return to the previous mode
②		Menu setting
③		Brightness adjustment
④		Contrast setting
⑤		Color setting
⑥		Sharp setting(Such funtion not available now)
⑦		Setting showing bar
⑧	Day/Night	Brightness adjustment(day mode、night mode)
⑨	SOFT	Soft mode(customer cant change setting)
⑩	CUSTOM	Custom mode(customer can change setting and store setting)
⑪	STD.	Standard mode (customer cant change setting)
⑫	BRIGHT	Bright mode (customer cant change setting)

Keystroke number	Name	Function explanation
①		Return to the previous mode
②		Menu setting
③		Treble setting
④		Bass setting
⑤		Balance setting
⑥		Fade setting
⑦		Setting showing bar
⑧	Day/Night	Brightness adjustment(day mode、night mode)
⑨	ROCK	Rock mode
⑩	POP	Pop mode
⑪	JAZZ	Jazz mode
⑫	CLASS	Class mode
⑬	CUSTOM	Custom mode

ATTENTION

1. *Attention before operation*

◆ Don't insert hard or other metal objects into unit.
◆ Please don't try to make a repair. The display panel is made of many exact electronic components, disassembly will cause fracture of machine. Please power off unit and contact local distributor if there is any malfunction.
◆ Please keep display panel from the pollution of moisture、dust、steam and lampblack.
◆ Please use soft cloth instead of thinner or other chemical detergent to clean the surface of panel.
◆ Please don't put display under the insolation long time.
◆ Please cut off the power immediately if water or other objects into unit.
◆ Please power off unit before cleaning dirt.
◆ This unit is designed for the car with power supply of 12V negative ground system.

2. *Attention for disc usage*

◆ The dirty、dusty、scribed or curving disc will cause misoperation.
◆ Don't put disc on the spiculate object to avoid damage.
◆ Take out disc when it is not in use.
◆ Keep disc away from the following place:

　　1. Under the insolation
　　2. Dirty、dusty or damp place.
　　3. Around car heater
　　4. On the car seat or dashboard

◆ Please don't use disc of diameter less than 12 cm(don't include 12cm) or erose disc(heart-shaped or octagon discs)
◆ Cleaning disc: using wet soft cloth to clean disc surface; if disc is dirty, don't use solute such as gasoline、thinner etc. to avoid damage of disc surface.

3. *Attention for the setup of outside amplifier*

◆ Please match the impedance of speaker and amplifier before connection.
◆ Please use the quality line of sound box and the length of line is enough for the connection.
◆ When connecting signal line, track and faucet should match well without mistake.
◆ To decrease noise, while connecting outside amplifier, turn the volume of unit to the 1/3 of maximal volume, then adjust volume of outside amplifier to the point of volume distortion.(note: tone should be set medium)
◆ When installation. Please keep the input/output lines away from power supply or car computer lines to avoid noise.

TROUBLESHOOT

Please check the following table if the unit is not working properly and make a corresponding examination and adjustment. It is possible to resolve the problem and resume the normal operation. Please contact local distributor if this following method is not workable for troubleshooting.

Problem	Possible reason	Troubleshoot
No display in LCD	Power supply and ACC is not con connected.	Connection
	Loose connection	Reconnection
	Burnt fuse	Renew fuse
No sound	System is in mute	Press mute key to close mute
	Sound box connection is loose	Reconnection
	Sound box broken	renew sound box
No photo	Disc is not inserted correctly	Insert the disc with label side up
	Disc dirty or damaged	Try other discs
Sound jump occasionally	Disc dirty or damaged	Try other discs
Music jump while Vibration	Unit is not installed correctly	Ensure correct unit installation
	CDC is screwed down in the wrong direction	Screws labeled with V or H is placed in the right installation direction
Bluetooth handfree	Not matched with unit correctly	Rematch

1、it is prohibited to plug and unplug the power cable with power during installation.
2、please make a reset or power on unit twice after installation to ensure the good condition of unit working. Then to operate unit.
3、if there is outside DVD connected with this unit, please pay attention to the protection of connecting port to avoid short circuit. There is many communication connection between unit and car, it is important to make a correct connection.
4、NO DISPLAY: First to check if the connection between unit and two plugs of car is correct, then to check if the contact of plug is good and if the screen is set to the lowest level of brightness.
5、NO NAVI: Please check if the navigation path is setted up correctly, gps antenna is placed in the right position and environment around car is favorable for the receipt of gps signals. Also map card is inserted into the sd card slot correctly.
6、outside DVD: if the outside DVD is not working properly,please check the connecting wire between screen and DVD, then check if the two protecting screws on the DVD are removed. Indicating lights are bright.
7、some mobile phones cant support bluetooth function in this unit, SAMSUNG is most possible.

⚠ Attention: When turn on bluetooth handfree function and match with mobile phone, It is posssbile that bluetooth match will not be successful because of the compatibility of some mobile phones. Please pull out and insert the carkey to match it again.

⚠ **Attention:**
This unit is a complex device, please don't try to dismantle and repair it on your own to avoid damage it.