

CAR PC

OPERATION INSTRUCTION



Connect of the Device

Cautions :

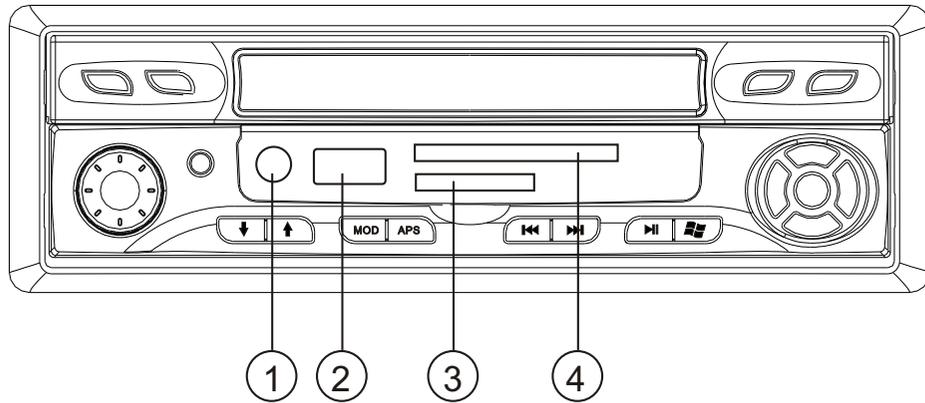
- Install the voltagefall device before Installing in the Track or Bus with 24V for being used in the car with 12V and grounding in cathode.
- Cut the cathode cable of the battery before installing to avoid the short circuit of the machine.
- Don't fix the cable of machine near the removable part of the car,such as grip brake、gearlever、seat fixed navitrack and so on. Don't fix the cable of the machine near the heat area , Such as caliduct for let or heat will cause the melt of the insulative cable or damage to cause the shortcircuit of the car.
- Don't put the yellow power cable cross the save hole into the engine house then connect the battery to avoid the damage of the power to arose the short circuit.
- Use the stated fuze (10A) to exchange the burned-out fuze . Use the fuze withhigh capacity to exchange the burned-out fuze or connect without any fuze will cause the fire or damage of the machine.
Any problem after exchanging the fuze,contact with repair center.
- Don't connect the power cable of other device to the machine toavoid the fire or too hot for overfreight.
- Wrap untapped cable of the loudspeaker with insulating tape toavoid the short circuit.
- Insulate any exposed cable then pack all the cable to avoid the touch between connection port and metal part of the machine.
- Connect the fire lead to on "Open/Close" of the power by using the fire switch key if there are no ACC place in the light of the car.
- Don't connect the output port of loudspeaker to avoid the damge of the amplifier.
Don't use the 3-Wire loudspeaker.
Don't connect the cable of the loudspeaker to the car.
- The power of the loudspeaker should be high-power with the least rating of 50W and 4-8 Ohm for impedance.
Don't connect the cable of the loudspeaker out of the rangeof the Impedance to avoid the short circuit or damage of the loudspeaker.

Control panel layout



- | | |
|---|----------------------------|
| 1. Main display area | 2.Mic |
| 3. Volume control | |
| 4.Lcd panel control (move up and down,left and right) | |
| 5. FM/AM mode exchange | 6.Auto scan FM channel |
| 7. Previous channel | 8.Next channel |
| 9. Play/pause | 10.Pc start menu |
| 11.Direction arrow/selection button | 12.Power button |
| 13.Reduce LCD brightness | 14.USB/SD/CF/EAR jack |
| 15.Increase LCD brightness | 16.LCD panel in/out contro |

External card set



USB 2.0 High speed port

Can connect with external HDD for bigger capacity use, it also can support other usb device, such as keyboard, mouse..etc



Headset jack

When plug headset , amplifier output will be mute, when unplug it , sound will be normally output to the speaker.



External storage device. support music, movie, mp3, mp4, image....

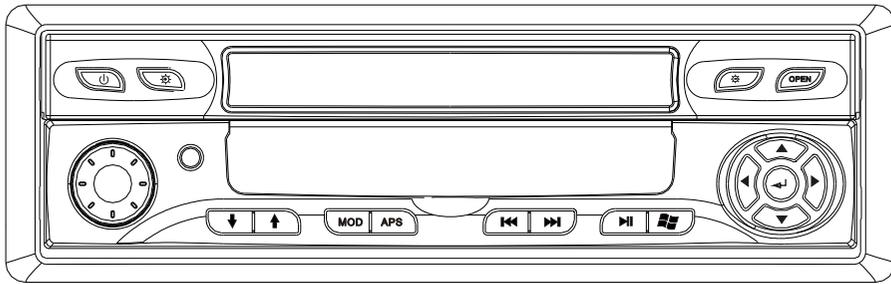


External storage device. support music, movie, mp3, mp4, image....

Product Specification

CPU	VIAC7 Processor 1.2G
Memory	DDR2 (256M/512M/1GM)
HDD	4G (8G) anti-shake electronic disk
Monitor	7" new digital panel with resolution 800*480
Operation System	Microsoft Windows ,Linuxs, WinCE
View angle	130/105 (H / V)
Audio Output	45*4Hi-fi Amplifier ,built Mic and earphone , 4 audio out put
Video Input	1 VGA output for dual display
AM/FM	
Touch function	Full touch screen , OSD menu touch
ITPSITPS POWER	
GPS navigation	Built in Voice guide ,cold boot 12 secs
Bluetooth	Hand free calling
rearview	Auto rearview when backing the car
Power supply	DC 8V-14V
Working Temperature	-10---+60(?)
Storage Temperature	-20---+70(?)
DVD player	Via USB DVD driver player
Wireless Internet access Adapted with a USB GPRS/CDMA/3G Wireless mode	
DVB-T Digital TV	Via USB Stick or special software ,not built in
Card set	SD/CF card set and 3 USB port for extensible peripheral and hardisk upgrading
spare part s	remote(with battery),AV cable , male power cable,screw

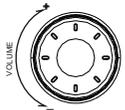
Front Panel of the Car PC



Instruction of the Front Buttons for the Radio Function in being off PC



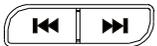
Turn on Radio: Long Press the Button (3sec)



Volume Control: Go round Right Volume +;
Go round Left Volume -;
Press Mute/Start;



MODE: AM/FM Mode Switch: Short Press the button (1 Sec)
Long Press APS the Button (3 secs); Auto Search and Storage from
87.5--108MHZ for FM; 530--1710KHZ for AM.



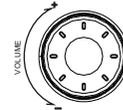
Channel +/Channel-: Short Press the Two Buttons (1 sec)

Front Panel of the Car PC

Instruction of the Front Buttons for the Radio Function in being on PC



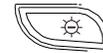
PC Booting: short Press the button (1 sec)



Volume Control: Go round Right Volume +;
Go round Left Volume -;
Press Mute/Start;



Main TFT-LCD Control: BRIGHTNESS+



Main TFT-LCD Control: BRIGHTNESS-



Main TFT-LCD Dash in/out

MUSIC MODE



Last item

Next item

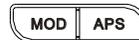


Windows star menu



Play/Pause

RADIO MODE



MODE: AM/FM Mode Switch: Short Press the button (1 secretary)

Long Press APS the Button (3 secs); Auto Search and Storage from
87.5--108MHZ for FM; 530--1710KHZ for AM.

Other Button Function is as same as Being off P

Basic operation



Functions in the main menu

Music: press it , it will play the music as your set

Radio: AM/FMfunction

Bluetooth: go to bluetooth mode(it's pc bluetooth, it can connect with bluetooth headset/printer/keyboard/phone/modem etc)

Web: wireless internet

Power: it can control the pc (shut off, restart, standby)

Video: play all kinds of video files

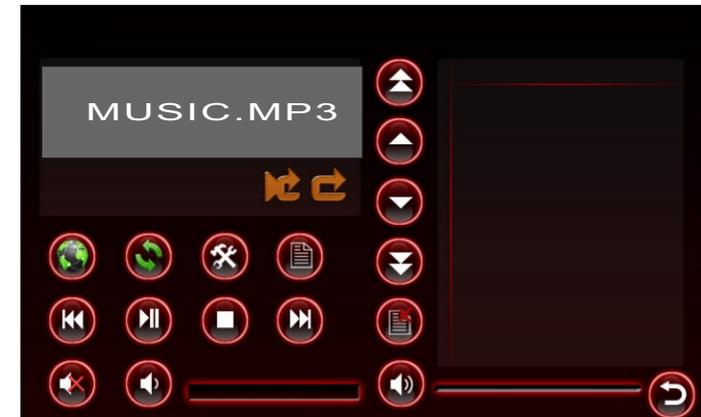
DVD: play dvd format files

GPS: press it , go to GPSinterface

Launch: click the key-press,then enter into the set model of the run path,the path setting includes :Music,Video,DVD, GPS,Bluetooth,Radio)

Basic operation

Introduction for music interface



Songs selection

From the left to right , it's first page/ previous song/next song/ last page



Play options

From the left to right , it's previous song,pause/play/stop, next song



Volume adjust

From left to right,it's mute, lower volume and louder volume



Set sound effect: (alt,bourdon....)



Press this botton,it can select and play the files as your way, or put more files in the play list



Left button means : single song replay. right button means:replay all the list



Press this , it will exit the current interface and go back to the main menu

Basic operation

Introduction for DVD interface



Program control button (click it ,it will change to play the previous or next program)



Songs control board (previous/pause/stop/next)



Volume control (mute/lower volume/ louder volume)



Press this button , it can select and play the files as your way, or put more files in the play list



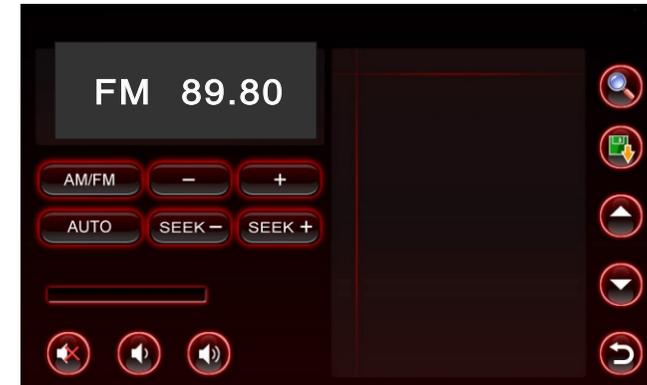
Press this button , it will stop playing , and flip the disk out



Press this button , it will exit current interface ,and go back to the main menu

Basic operation

Introduction for Radio interface



AM/FM selection button



Manually scan previous/next channel



Manually input FM/AM channel button

After you press this button , it will show a window with digits, you can input your favourite channel, then press "ok", it will change to the channel you set



Volume control button (mute, lower, louder)



Auto scan radio :(press it , it will scan the FM channel automatically, all the channels will be saved in the list)



Auto scan the previous or next channel , it will stop scanning to play the channel once get it)



Press this button , it will exit the current interface, and go back to the main menu

Basic operation

Introduction for Bluetooth interface



The preconditions before bluetooth works :

- 1) Installate "widcomm" bluetooth driving program
- 2) Open " My Bluetooth " ,to connect the "bluetooth serial ports" and "Audio " gateway service of MB
- 3) Before connect " Bluetooth serial ports" of MB ,compare the connecting serial ports NUMBER and the default one : No. 4 . If there is any different ,open the Clip " rr.ini" ,admend commportnum to correct serial port number.



Disconnection of telepone and this unit



Connection of telephone and this unit



Press this button for getting the phone book of the connected telephone



Press this button for looking up the items of phone book

Basic operation

Introduction for Bluetooth interface



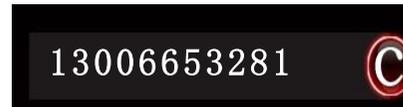
Dialling area
Press the NUMBER buttons,the telephone number Will show in the title bar .



Dialling



Hanging up

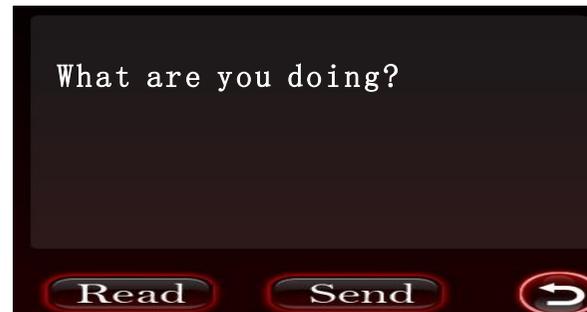


Number showing bar

The dialing number will be showed in this bar , pleas press C button if there is any change



Press this button for sending and receiving message via the unit



Message window :

Press READ for receiving the message of connected MB via this unit

Press SEND for sending the edited message via this unit



Press this button , it will exit the current interface, and go back to the main menu

Basic operation

Video interface



Selection Operation
UP for last programe ,DOWN for next program



Playing operation
LEFT to RIGHT for last program, play/pause ,next program



Volume operation
LEFT to RIGHT for mute , volume - , volume +



Full programes playing operation ,press this button for playing of file rounting and name even issue a play list



Sound setting operation
Press this button for sound effect setting of treble, bass, left/right balance and front/rear balance



Press for exit and back to last menu

Basic operation

Sound effect setting interface



Repeatedly press button to select the desired mode
In the following order:

POP—CLAS—ROCK



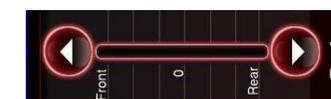
Bass adjust standard
-14- to + 14 a hint for the output volume high to low



Treble adjust standard
-14- to + 14 a hint for the output volume low to high



Left/ right balance adjust
Left to right ,the left speaker volume high to low
Left to right ,the right speaker volume low to high



Front / Rear balance adjust
Front to Rear , the front speaker volume high to low
Rear to Front ,the rear speaker volume low to high

Operation of the Touch panel

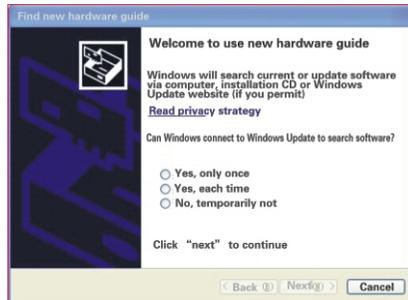
Cautions:

- The touch panel is used for Car PC without any other function to control the machine.
- Users should connect the touch panel control with USB cable of Car PC correctly and Install the right drive well before using the touch panel function.
- Users should calibrate and set before using touch panel function. Users should calibrate and set again after using some time normally (such as half a month) or any warp for the touch panel with image. Please calibrate every half a month to make sure the warp is within the allowable range.
- Following installation and calibration of CD drive of touch panel is VERSION 3.1.4.2201. The CD drive software of other sections will be some difference for installation and calibration. Please be patient to install corresponding section to install and calibrate.
- Don't touch the panel directly by hard thing or nail to avoid the scrape of the panel. Operate the machine by being attached to the touch pen.
- Clean the touch panel by soft cloth to avoid the scrape of the panel. Don't clean the touch panel by organic impregnant to avoid damage of ITO film to effect the cuphotic ratio of the touch panel.

● Installation of the CD Drive:

Start the Car PC after the confirmation of the correct connection. Install the drive of the touch panel if it can run naturally. Take WINDOWS XP as an example to introduce the installation.

1、The PC will display the new USB device when starting PC.



Please Choose "Cancel".

2、Put the attached CD Drive into the DVD-ROM of the PC. If DVD-ROM set the function of auto run, it is as follows:



If DVD-ROM has no auto run function, double hit the "RUN.EXE" files in the root directory of the CD-Drive then the windows also will be as above.

Operation of the Touch Panel

3、Start to Install:

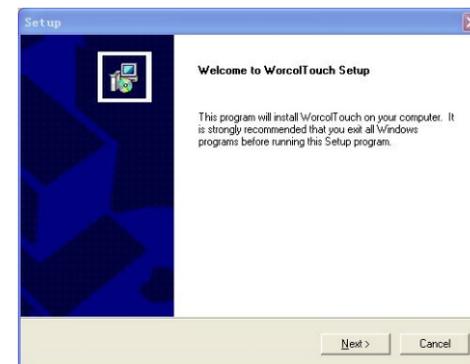
Select respond operation system WINDOWS 2000/XP to Install:



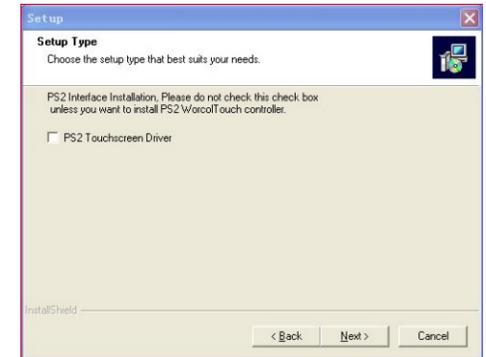
Select "Run" to Next Step:



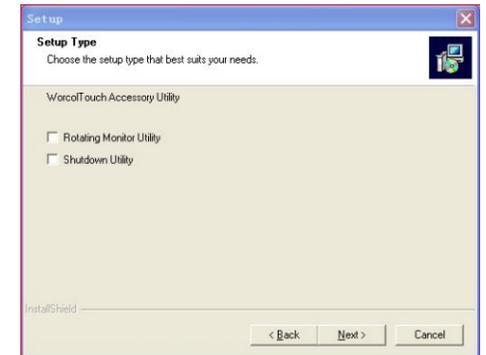
Select "Run" to Next Step:



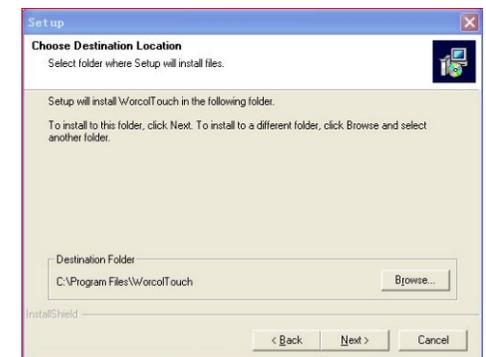
Select "Next" to next step:



Select "Next" to next step:

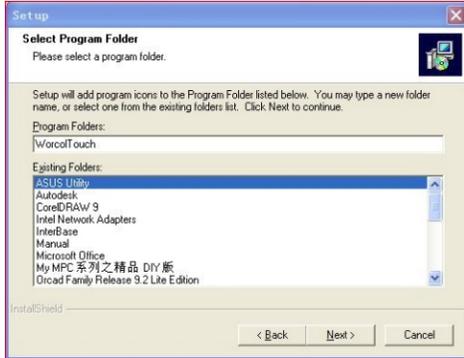


Select "Next" to next step:

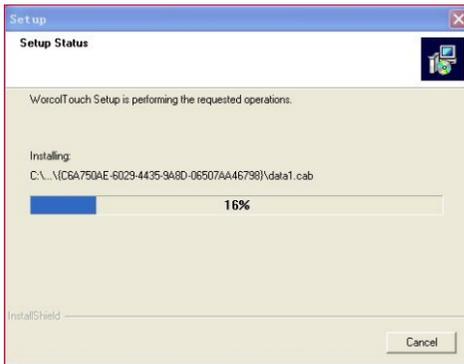


Press "Browse" or tolerant route to Install then press "Next" to next step:

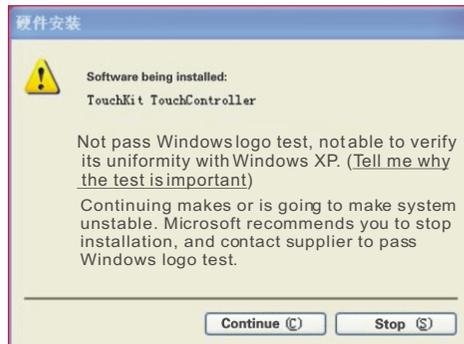
Operation of the Touch Panel



Select "NEXT" to Next Step:



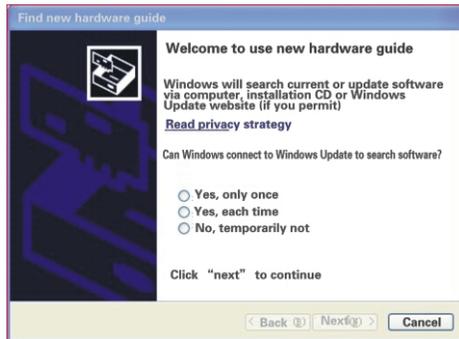
There will be following Image:



Select "Continue" to next step:



Select "Yes" to restart the PC:

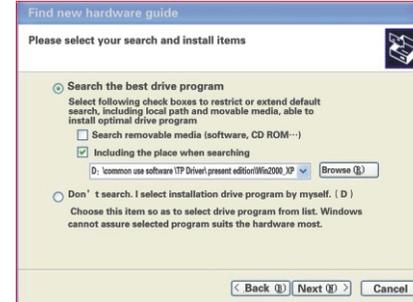


Select "No" to next step to continue to install:

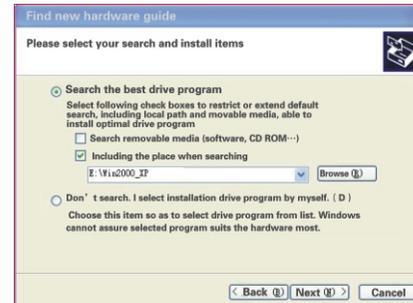


Select "Install from list or designated folder (Advanced)" to next step:

Operation of the Touch Panel

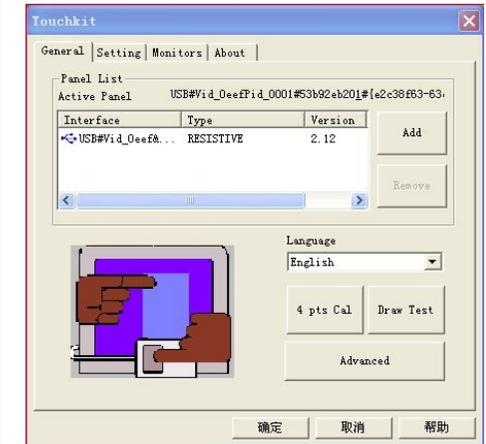


Select "Including the place when searching" at the entry of "Search the best drive procedure" then press "Browse" to change the route to "Win2000_XP" to next step



Press "Finish" to complete the control of the touch panel and the installation of the applied soft.

- Calibration of the touch panel:
Calibrate the touch panel after completing the drive.
Start the "Worcolto-uch" to following image:



Press "4 pts Cal" to Enter the image:

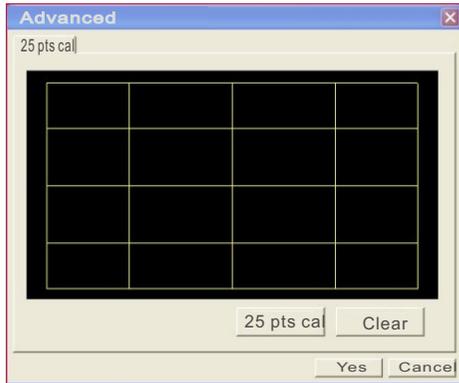


Press the flickering dot by touch pen until flicker stopped:

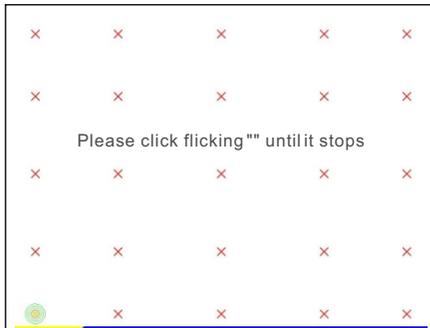
Operation of the Touch Panel



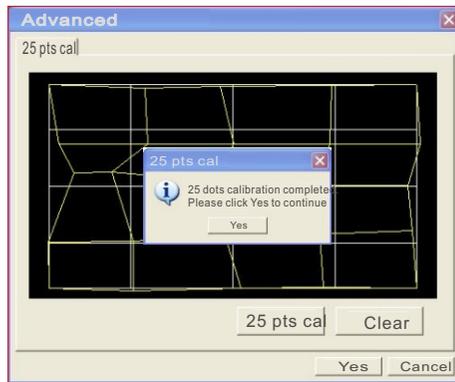
Press "Sure" to Complete the "4 pts Cal" Press "Advanced" to enter the more Clear Calibration Image:



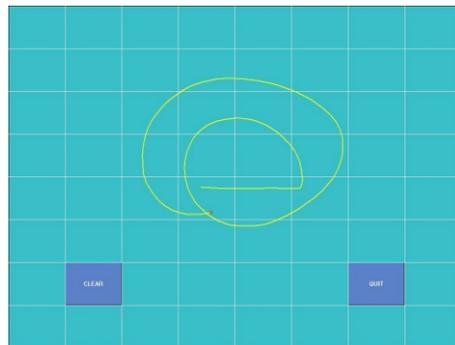
Press "25 pts cal"



Press the flickering dot by touch pen until flicker stopped:



Press "Sure" to Complete 25 Pts Cal Press "Browse Image" to Check the Result



Users can Check the Linearity and Accord by Drawing any Image Such As Above.

Press "Clear" to Cancel all Image then Press "QUIT" to Exit the Image.

Operation of the Touch Panel

● Language Select:

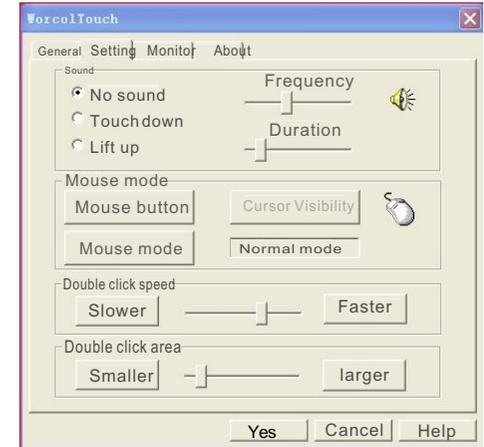
Drive support ten kinds of languages such as English、 French、 German、 Simplified Chinese、 Traditional Chinese、 Japanese、 Korean and so on . Procedure select the optimum language automatically according to the different section of operation. any special requirement, please search by hand:



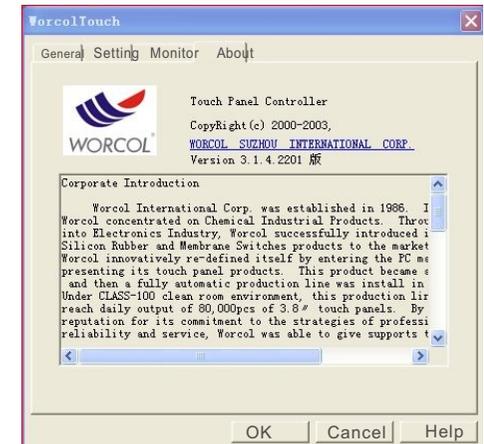
Press the Down-Menu to select the relevant language then the windows will be the selected language automatically.

● Set of the Touch Panel:

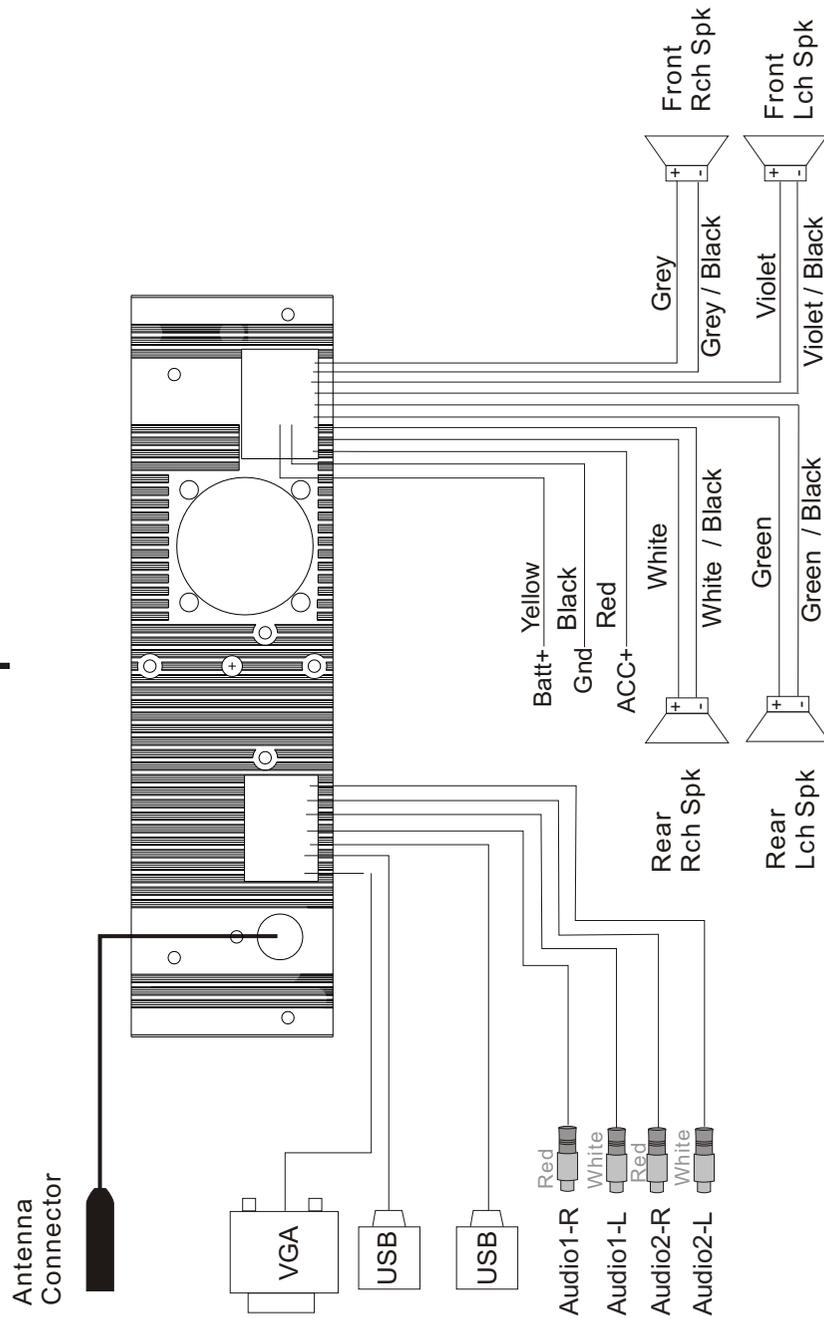
Users select "Set" entry to set the touch panel for special function:



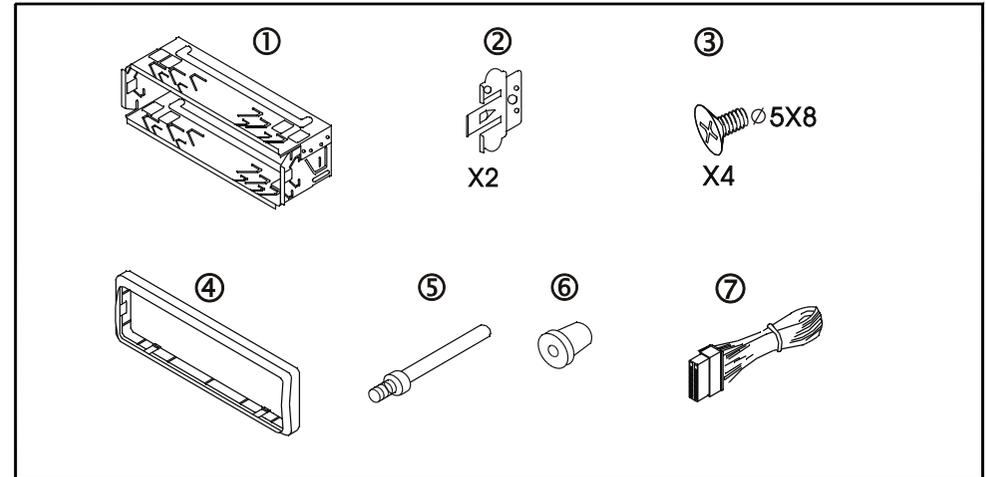
"About" entry display the section number of the Drive and the company's information:



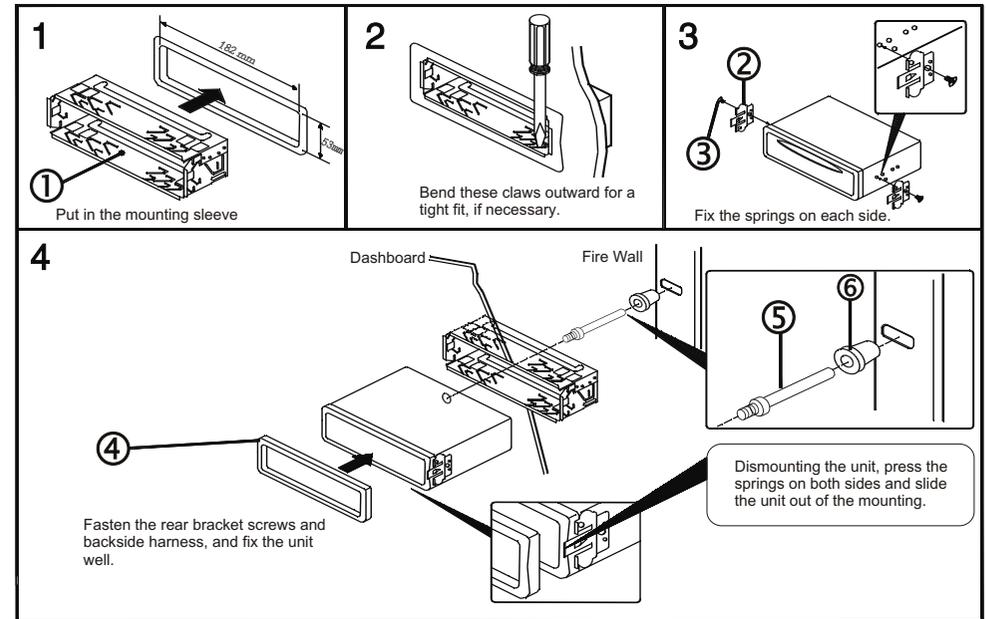
Sketch Map of Connection



Part List (The numbers in the list are keyed to those in the instructions.)



Mounting Example



Specification

1、Monitor Part :

Seq	Item	Test Condition	Spec	Unit
1	Viewing Angle	CR≥5	Left 70	Deg.
			Right 70	Deg.
			Up70	Deg.
			Down 70	Deg.
2	Contrast		450	
3	Brightness		400	cd/m2
4	Respond Time		8	Ms
5	Viewing Area		155X87	mm
6	Viewing Dot		800X600	Dot
7	Dot Distance		0.06X0.18	mm
8	Color		262K	Kinds

2、Common Specification :

Seq	Item	Spec	Unit
1	Rated Working Voltage	14.4	V
2	Range of Working Voltage	9.5 to 16	V
3	Most Working Current	10	A
4	Working Temperature	-10 to +65	℃
5	Storing Temperature	-20 to +75	℃
6	Working Humidity	40% to 80%	RH
7	Storing Humidity	30% to 90%	RH

Specification

3、AM Part :

Seq	Item	Test Condition	Spec	Unit
1	Sensitivit	S/N=20dB	23	dBu
2	SNR	1KHz 30%	38	dBu
3	Distortion	1KHz 30%	2.5	%
4	Frequency	74dBu Input	50Hz +3	dB
			4KHz-15	dB

4、FM Part :

Seq	Item	Test Condition	Spec	Unit
1	Usable Sensitivity	S/N=30dB	6	dBu
2	SNR	Stereo 60dBu Input	55	dB
3	Distortion	MONO 60dBu 1KHz Input	1.5	%
		STEREO 60dBu 1KHz Input	2	%
4	Frequency	60dBu Input	100Hz -1	dB
			10KHz 14	dB
5	Stereo Separation	60dBu Input	30	dB

5、Audio Part :

PARAMETER	CONDITIONS	SPEC	UNIT
Voltage gain		34	dB
Output power	THD=10%	26	W
	THD=0.5%	19	W
Distortion	Po=1W	0.1	%
supply voltage ripple rejection		40	dB
Quiescent current		200	Ma