

CAR PC USER MANUAL

BlaXtream TC-1000

To Users of This Product

Thank you for purchasing our mini Car PC & DVD player. This product adopts high-performance embedded computer hardware and is supported by professional multimedia software. It is designed for operations under relatively severe vehicular environments and featuring such unique safeguards as anti-vibration, heat-emission, intelligent power protection, etc. The delicately optimized design meets the requirements of all users in its applications to various conditions and occasions. This product is small in shape, easily installed and simple to operate. Moreover, the mini Car PC & DVD player is easily adaptable to a professional working environment as well as its ease of use virtually anywhere. With its excellent quality and exquisite manufacturing technology, your product will bring limitless entertainment and enjoyment to you.

In order to ensure the correct installation and the most efficient service, please read this user manual carefully.

Notice: Electric Safety

- In order to prevent electric shock and possible severe damage to the unit, please temporarily remove the PC power adapter from the power socket *before* moving the Car PC.
- In order to prevent voltage fluctuations from damaging your purchase and the possibly to the vehicle 's battery, please switch the computer 's power switch to the " off " position while starting the vehicle.
- Once the computer 's power has been put into the " on " position do not switch the computer 's power to the " off " position until the computer is fully booted. When shutting down the computer follow the guidelines in this user guide.
- Please make sure that the power voltage setting has been adjusted to the standard voltage value of the location where the product is being used.
- No owner/user-serviceable components exist in this unit. Allow only qualified technical service personnel to service or open this unit. Contact our factory service department. Unauthorized tampering may void the product warranty.

Operational Security

- Before using this product, please first make sure that all external wires and power adapters have been correctly connected. If you suspect any defects, please contact your sales agent or factory personnel immediately.
- To prevent electric short-circuiting, it is forbidden to leave any metal stuffs in the PC mainframe.
- Dust, humidity and dramatic temperature changes will affect the usage life of this computer. Please keep the machine away from these hazards.
- Although an anti-vibration mechanism is adopted inside the computer, please avoid traumatic movement, jolting or dropping of the unit.
- In cleaning the units do not use chemical detergents. Remove dust with a soft cloth to ensure brightness. If any technical problems occur while using this unit, please refer to our sales agents or related technicians. We will correct any problem as rapidly as possible. Please refer to your warranty.

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1. Product Features

1. Product Applications

- Computer: This product can be operated as a Car PC or Home PC when adapted with a mini LCD Monitor or Home PC Monitor
- DVD player: This product can play various media discs such as CD, MP3, VCD and DVD. This is an instant boot-up media player, which means the user can play discs without booting-up the computer operating system.
- Extension functions: This computer is designed with the Bluetooth communication function and four USB ports through which the user can accessorize this machine with a cordless keyboard and mouse, wireless earphone, GPRS Modem, GPS navigation antenna, DVB-T, digital TV receiver, etc.
- Bluetooth communication: For the operation instruction of the Bluetooth communication mode, please refer to the following two *.pdf files in the Bluetooth Installation CD
 - ◆ English Blue Soleil User Manual 1.4.pdf
 - ◆ English IVT Blue Soleil 1.4 - FAQ. pdf

2. Product Features

- Compact design: With dimensions of 195mm (L) x 177mm (W) x 54mm (H), the unit is easily installed and transported.
- High Performance Specification: CPU 1G, memory up to 512M, hard disk up to 80G and up to DVD COMBO ROM. Compare the unit's smaller dimensions and upper performance features.
- Low power consumption: the maximum power consumption of this machine is 48W. Rated power consumption is lower than 30W. Energy savings and efficient heat emissions make the unit compatible with the vehicle.
- Professional design: The BlaX team TC-1000 Car PC is specifically designed with poor environmental and highway conditions in mind. Designed using optimal mechanical and electrical specifications, product features focusing on anti-vibration, power separation and heat emissions satisfy the most demanding user. The TC-1000 will function superbly in severe operating conditions including, but not limited to, temperature extremes, fluctuating power currents, electromagnetic disturbances and rough vehicle vibrations caused by inferior road conditions.
- Intelligent Power Control—this equipment has a special Intelligent Power Control system:
 - ◆ Wide voltage range input: this Car PC can normally function in voltage ranges from 6V to 24V, thus overcoming the disadvantage of instability of the vehicle's battery voltage, including an instantaneous occurrences of insufficient ignition voltage.
 - ◆ Automatic delay shutdown: after "ACC" (automobile electric lock) switches off the power, the computer will automatically shut down after a 20 second delay before the computer's power supply is switched off. This is to ensure that the PC experiences safe shutdowns.

3 Description of product functions

Applications	In - Vehicle Use	Home / Indoor Use
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Functions		
Personal Computer (Accompanied with PC Monitor)	<ul style="list-style-type: none"> ● Wireless Internet access (configured with GPRS wireless network card) ● GPS navigation (configured with GPS antenna + GPS software) ● Watch DVB-T digit TV (configured with DVB-T antenna + special software) ● Support wireless transfer of the Bluetooth data ● Play multimedia such as MPEG4 ● PC game ● Simple text processing ● Mobile large-capacity memory 	<ul style="list-style-type: none"> ● Wired and wireless network access ● Watch DVB-T digital TV (configured with USB antenna + special software) ● Support wireless transfer of the Bluetooth data ● Play multi-media such as MPEG4 ● PC game ● Text processing
Multimedia player (Accompanied with PC Monitor)	<ul style="list-style-type: none"> ● Instant Boot-up CD, VCD, DVD, and MP3 player ● Use together with vehicle sonic system 	<ul style="list-style-type: none"> ● Instant Boot-up CD, VCD, DVD, and MP3 player ● Use together with home sonic system

For the function description of Bluetooth software, please refer to the file of the English BlueSoleil User Manual

Product Specifications

Type	TC1000 Series Up to 1G CPU, Up to 512M Memory, Up to 80G HDD
Central processor	1GHz
Memory capacity	512M
Hard disk capacity	40G / 60G / 80G
Vehicle voltage	DC 6V — 24V
Working current	2.2 A — 4 A
Shape size	L 195 x W 177 x H 54 mm
Weight	1.55kg

Mainframe front panel

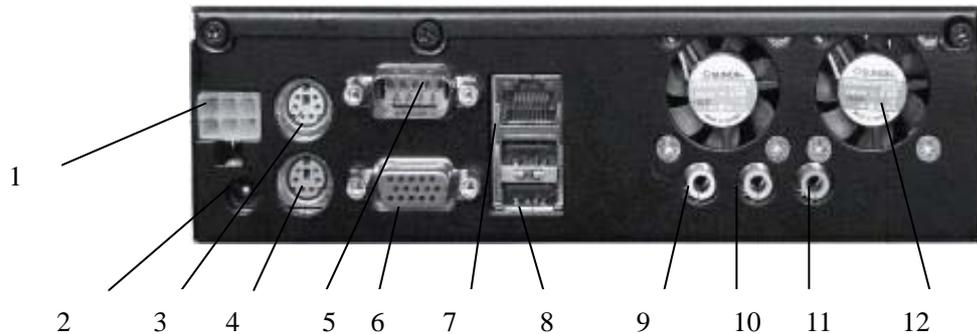


Please Note: The silvery key on the panel is provided for operation with etDVD multimedia playing software. While in the PC mode the POWER key is the only key which will function. With the exception of the POWER key, the following key description targets the etDVD multimedia software.

1. TAB: cursor skipping key, in the power-on menu, used to switch among DVD , PC and the POWER key;
2. ENTER: used to confirm selected key;
3. -: control over volume increase;
4. +: control over sound volume increase.
5. Suction CD ROM: Put CD in the slot under power-on , and it will suck in the CD automatically;
6. ESC: press down this key under the power-on picture condition, the equipment will enter into PC mode; press this key when playing DVD multimedia CD;
7. Stop: Stop play DVD;
8. PLAY: playing key;
9. PAUSE: temporarily stop key;
10. EJECT: CD pop up;
11. FWD: fast backward key;
12. PREV: previous song or track;
13. REW: fast forward key;
14. MENU: menu key. Repeatedly press down this key and will display/hide DVD playing control panel;
15. NEXT: next song or track.;
16. POWER / power-on and power-off key: when an etDVD is in the play mode, depressing the POWER key the equipment will instantly turn the power off. In the PC mode, by depressing this key the PC will turn the power off.;
17. USB port 1;
18. USB port 2;
19. Power indicator;
20. Earphone output socket;

21. Rophone input socket

Mainframe rear panel



1. Vehicle 12V power input: the red wire is connected to vehicle power polarity of “ + ” (POS), the black is connected to “ - ” (NEG) polarity and the brown to the automobile electric control lock “ Acc ” ;
2. Power input port: When a DC 12V power is provided through the connection to the home power adapter, the power polarity is core for + out for. If the power offered by the user, please notice that power ' s output current should not lower than 4000mA;
3. PS/2 mouse is connected to port (green): PS/2 mouse plug is connected to this port;
4. PS/2 keyboard is connected to port (purple): connect PS/2 keyboard plug to this port;
5. Serial port: used to connect to a serial mouse or other serial equipment;
6. VGA equipment is connected to port. Also can be connected to a VGA display or other hardware equipment compatible to the VGA equipment;
7. RJ-45 network connection port: can be connected to LAN through the network cable;
8. USB2.0 is connected to port;
9. Audio output interface (grass green);
10. Audio input interface (Cambridge blue);
11. Microphone interface (pink);
12. Heat- dissipation fan.

Remote control



Description of remote control functions

Functions	Serial Number	Icon	Character	Keys on the Keyboard	Function Description
General Control	1.		POW	Analog switch	PC power
	2.		ESC	Esc	Power off the player and switch to PC mode
	3.		TAB	Tab	Cursor skipping
	4.		ENTER	Enter	Return
	5.		EJECT	F12	Pop up CD
Media Playing	6.		PLAY	F2	Play
	7.		PAUSE	F3	Stop
	8.		REW	F6	Fast backward
	9.		FWD	F7	Fast forward
	10.		PREV	F5	Previous song/track
	11.		NEXT	F8	Next song/track
	12.		STOP	F4	Stop
	13.		PANEL	\	Hide display panel
Sound Control	14.		MUTE	F9	Silence
	15.		VOL +	+	Volume+
	16.		VOL -	-	Volume-
	17.		CHANNEL	F10	Switch sound channel
VCD DVD Special Key	18.		ZOOM	z	DVD/VCD zoom in and zoom out
	19.		MENU	[DVD menu display / hide
	20.		RESUME]	DVD begin again
	21.		LANG	l	DVD voice selection
	22.		SUBT	u	DVD menu pops up
	23.		ANGLE	a	DVD visual angle switching
C D Special Key	24.		REPEAT	F11	Play repeatedly
	25.		SHUF	u	Play randomly

Note: Before use, please remove the transparent plastic cushion at the lower part of the remote control to

allow the batteries to function.

System operation instructions

1. Power connection

- This computer uses DC12V power. When used as vehicle computer, it is connected to the vehicle power through the vehicle power input cable provided with this computer. (Note: the yellow cable is connected to the positive polarity of the power, the black to negative polarity, the red to the vehicle electric control lock and the green cable should be connected to the “ hand brake ” sensor. If the user or installer does not connect the green cable to the “ hand brake ” sensor then please connect this cable to a ground post.

DO NOT connect the round DC socket directly to the vehicle power. Contact the technical department if there is any question about the connections being made.

- When used in an indoor environment, use the home power adapter (provided - output current>4A) to connect DC supply power to the computer.

2. Power- on/off

- When the computer is connected to the power through the power jack, the computer is in an idle state.
- With panel  POWER key, press down  POWER (power) control key on the computer panel. The computer will then enter an operational mode. Press  POWER (power) control key and the computer recovers to the idle state. To cancel the idle state, switch off the unit’s power.
- Controlling the unit’s POWER with the remote control: if required, the remote control may be adapted to control the unit’s power. The remote control should be initialized. The following operating steps should be followed to initialize the remote control. With the mainframe panels’  POWER key, firstly, “power-on” the computer, then press down the red  POW key of the remote controller. Next, execute a “power-off” operation. The initialization of the remote control’s power key is now complete, allowing the user to turn the TC-1000 on or off by depressing the remote control’s  POW key..

Notice: after connecting the unit to a power source the remote control should be initialized.

3. Display operation

After the computer begins its operation, the following main operation menu UI will be displayed:



- By pressing the TAB (cursor skipping) key , the cursor will move among PC, DVD, POWER keys.

- When the PC function is desired, move the cursor to the PC button then press ENTER  to enter into PC operation mode after you receive a confirmation.
- If you select the DVD function, move the cursor to the DVD button and press ENTER to enter the DVD playing program. If there has been a DVD disk in the CD-ROM, the computer will be in the DVD playing state. If there was no disk in the drive then put a CD into the CD-ROM slot and the CD will be automatically drawn into the CD-ROM. The computer will enter into the DVD playing mode automatically. After the CD has been put into the CD-ROM and should the auto play mode not function press PLAY  (play) key and the DVD will play.
- When powering off the PC used in a vehicle, move the cursor to the POWER button and press the ENTER key to turn the PC off. While a DVD is in the PLAY mode and the user chooses to use the PC mode then simply restart the PC and restart the DVD operation.
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4. Switching between the PC and DVD modes

- Switching from the DVD to the PC mode: While a DVD is in the PLAY mode and the user chooses to use the PC mode, press the  or the  ESC key on the remote control. Then select PC in the main menu and the computer will change to the PC mode.
- Switching from the PC mode to the DVD playing mode: if the user chooses to terminate operating in the PC mode and wishes to play a DVD, first close down the operation of the PC then restart the PC to return to DVD operation.

5. Mainframe instructions for playing DVDs

- a) Song/track selection: respectively, press the  PREV (previous song/track) key or the  NEXT (next song/track) key. Then select the previous song or next song desired.
- b) Rapid searching: in the PLAY mode, press  REW (fast backward) key or  FWD (fast forward) key to rapidly search the program. Press  PLAY (play) key to return to a desired song or track.
- c) Pause: by pressing the  PAUSE key the image on the display will “freeze”. To resume viewing the DVD simply press either the  PAUSE key once or the  PLAY key.
- d) Volume adjustment: press the  VOL+ key to increase the volume or press the  VOL- to lower the unit’s volume.
- e) Stop: to stop the DVD from playing press the STOP  key. Press the EJECT key to remove the disk.
- f) Press  to eject disk

5. Software panel operating instructions

Press the menu  key, call the operation UI, then can use mouse control to adjust the



function

CONTROL PANEL		
	Power	Exit Player
	Play bar	Indicates current playing position Slide the button to choose desired function
	Volume	Increase or decrease audio volume
	Balance	Controls the unit's audio balance between the left or right (side-to-side)
	Mute	Mute audio volume – To immediately silence the unit's volume
	Eject	Eject disk or used to load drive tray from active drive
	Channel	Set audio output channels to either 1 or 2 or to both 1 and 2
	Zoom	Cycle through available zoom modes
	Repeat	Set repeat mode to either - No repeat, repeat current track, or repeat whole disc
	Shuffle	Toggle shuffle on or off
	Menu	Jump to menu screen if available
	Subtitle	Change to next available screen subtitle
	Resume	Resume movie playback from the previous point of movie
	Language	Change to next available audio language
	Angle	Change to next available viewing angle

For more details about the use of the control panel, please refer to etDVD User's Manual.

Troubleshooting

1. When the main panel's power switch is pressed, the power indicator does not illuminate:
 - Determine whether the power is properly connected and the power parameter is consistent.
2. If the remote control is not functioning:
 - Check whether the transparent plastic cushion of the remote has been removed.
 - If the plastic cushion has been removed, then the battery requires replacement.
3. If the remote control can not be used to turn the unit ' s power on:
 - Double check to make certain the remote control has been initialized. Refer to the Table of Contents, section IV, Remote control, and pp. 8-9.
4. If no sound is audible:
 - Determine whether the audio line is properly connected.
 - Determine whether the MUTE key is depressed or if the volume is set to the minimum level.
 - Check whether the audio card driver is installed correctly.
5. If the display does not display:
 - Check whether the input signal line is connected correctly.
 - Check whether the display card program is installed correctly.
6. If the system will not accept USB plugs:
 - Make sure the plugs are being connected in the proper position.
 - Please try other USB ports.
 - Check whether the driver program is properly installed.
 - Please reboot the system and try the connection procedure again.
7. If the Bluetooth problems occur:
 - The Bluetooth icon should turn blue. If the icon is gray please restart the Bluetooth program.
 - If the Bluetooth program starts up normally but the user is unable continue please restart the program again.
 - Check determines whether other Bluetooth equipment is operational. Turn the unit's power on.

VII. Product installation and removing unit from vehicle

Installation

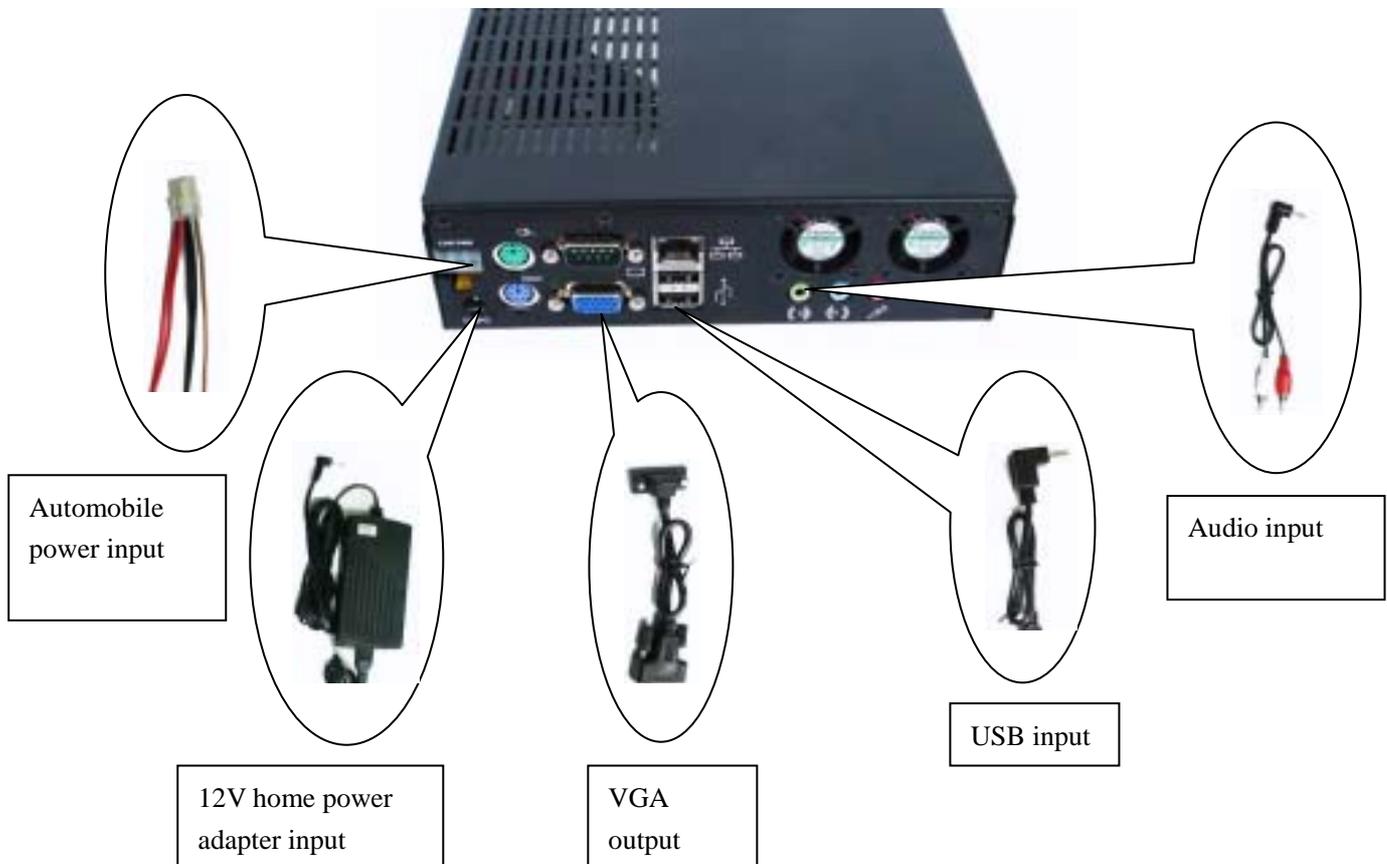
1 : Unpacking



2、 Packing description



3、 Jack locations



Note: if operated in a home environment, use the home power adapter (provided) input instead of the automobile power input. Other connections remain the same.

4、Installation

4.1 First, attach the vehicle mounting bracket to the automobile dashboard. :

4.1.1 using a tool to back out modify of 1 Din's automobile dashboard



4.1.2 Gently push the mounting case into the mounting bracket.

:



4.1.3 With a sharp tool, pry up the left and right clasps and the top and bottom clasps along the sides of the mounting case, as shown in the illustration. Then pull the mounting case out.



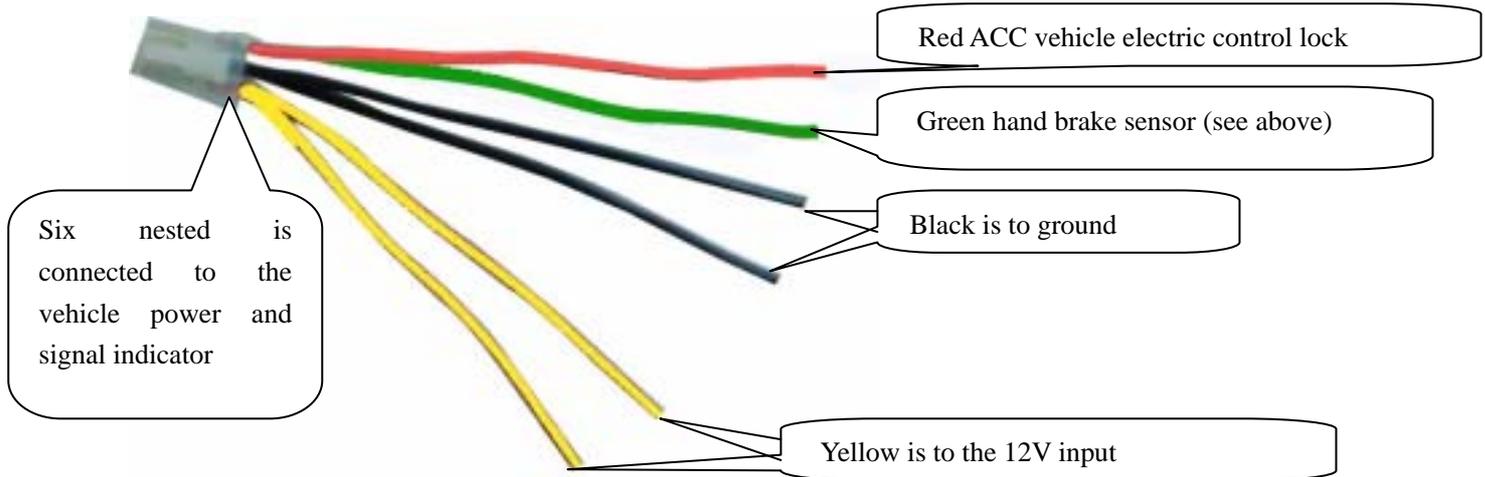
1.2 Connecting the power lines:

Connect the 12V red power supply line to the vehicle's electric control lock

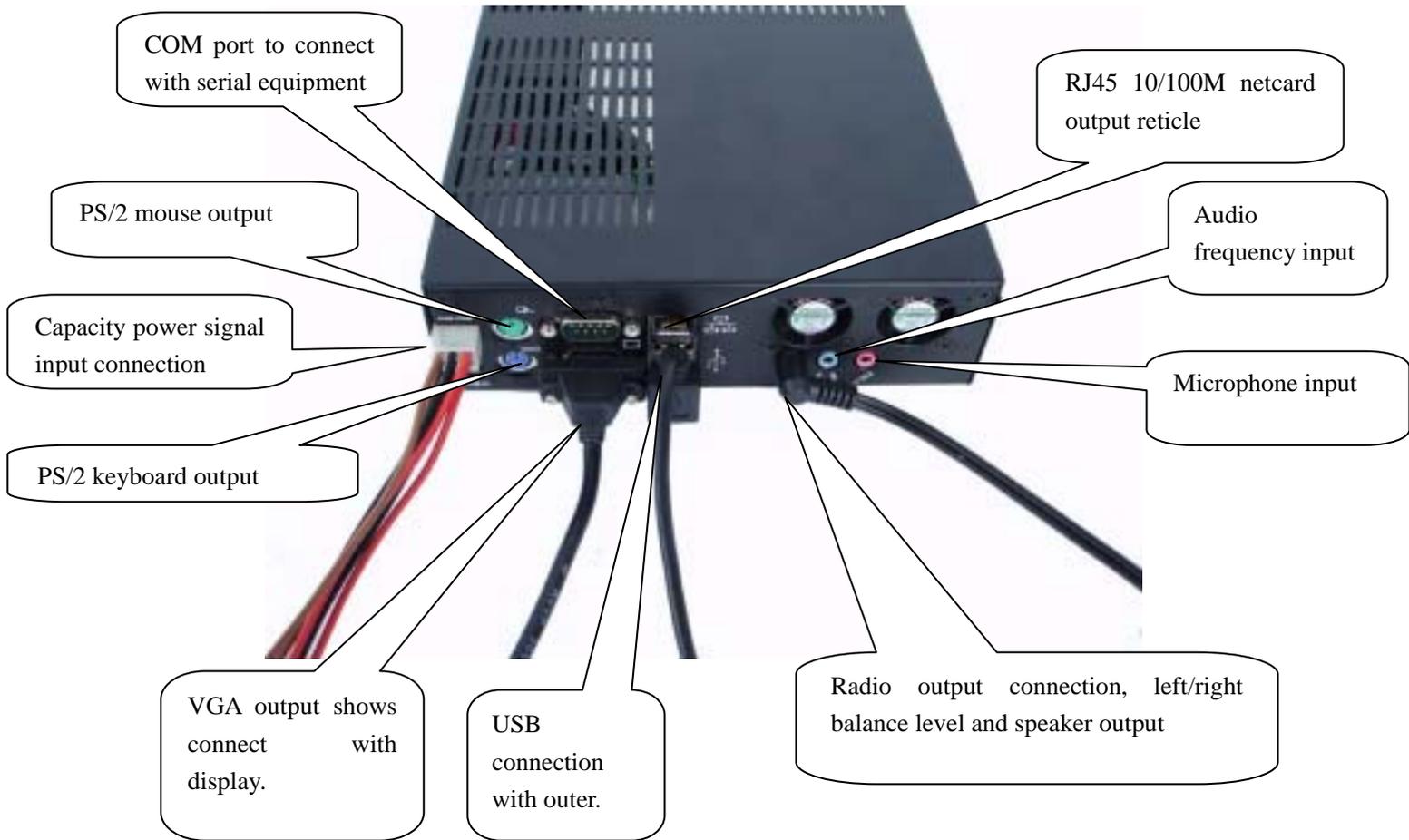
Connect the green power supply line to the vehicle's hand brake sensor *or*, if the user desires to not utilize this function, connect the green line to the ground.

Connect the black power supply line to a ground

Connect the yellow power supply line to the 12V input.



4.3 Other signal port connections, depending on users' external equipment requirements:



4.4 Car PC with front panel frame (panel shown detached)



4.5 Slide the Car PC unit into mounting case after case has been installed



Above photo shows installed Car PC after unit has been installed into dash.
Snap detachable plastic front panel frame into place. See photo and description 4.4.

(二)、Removing the unit :

1. Remove the panel frame from the front panel.



2. With an iron frame key, infix the key from the left and right sides of the mainframe



3. Remove key and begin removing the unit using “ side-to-side ” movements



4. Remove the unit from the vehicle along with all furnished cables

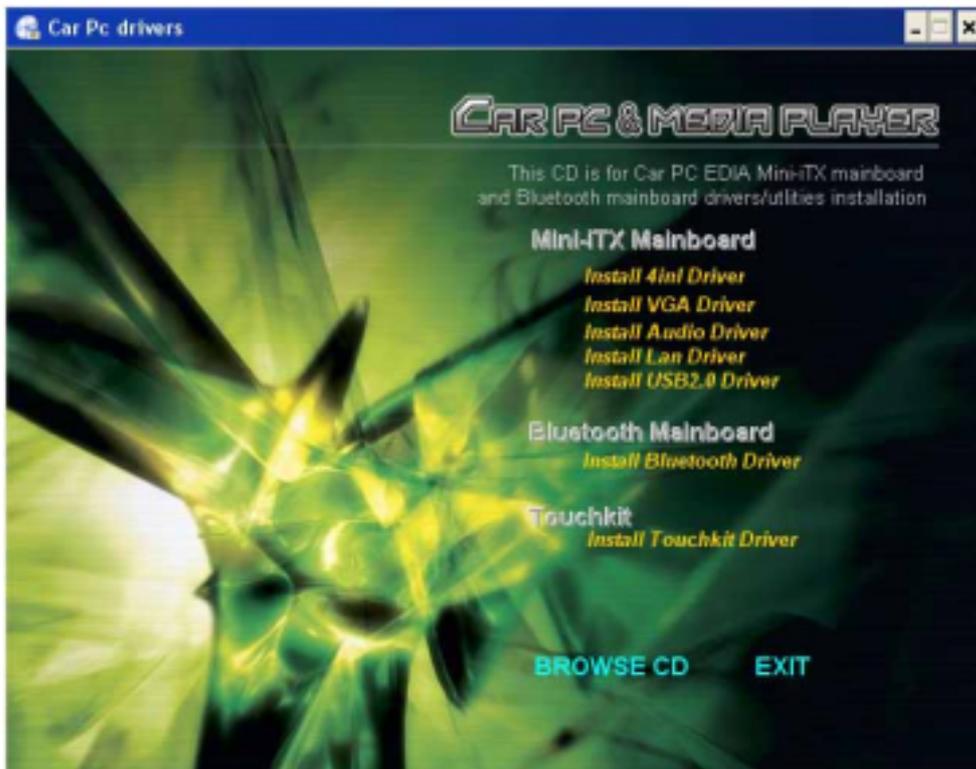
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VIII. Drivers installation

- 1 . First install operating system
- 2 . Insert driver disc (included) into CD-ROM



- 3 . The Car PC can run the driver menu automatically :



4 . Select the drivers which are suitable for your needs and requirements.

For a more detailed description regarding these instructions, please refer to the drivers PDF manual on the Car PC and Media Player disc (Bluetooth: CD: \pc\Bluetooth drivers). Also, please refer to the touch drivers ' manual (touch drivers manual: CD: \pc\Touch Kit Drivers\Touch Kit Manual).

IX. Package fittings

Name	Quantity
Mainframe	One
Remote control	One
4A power adapter	One
220V power wire	One
Five-core automobile power connection cable	One
Audio output wire	One
VGA extension wire	One
USB extension wire	One
Instruction manual	Two copies
Panel CD	Two
Mounting bracket	One
Panel frame, plastic	One

Warranty Information

This warranty card is only valid for _____

Warranted repair articles:

1) If this product encounters any type of failure during the warranty period, please contact one of our local maintenance service offices and have this warranty, your purchase invoice and this product available. For the specific address of our service offices, please refer to reverse side of this warranty or consult our main office. The warranty stipulates that during the warranty period, if any failure of any warranted item occurs, you will receive free maintenance (including parts and labor) within the boundaries of _____(country). This warranty, however, does not cover any delivery charges, maintenance, installation or inspection of non-warranted parts if failure of those non-covered parts is not caused by a warranted part. In the following conditions, the company will regret that no free maintenance can be offered:

- 1.1 Any failure and damage due to improper use,
- 1.2 Improper maintenance or work done on this unit by any party not specifically authorized by our company to perform or appointed by our company to perform any maintenance,
- 1.3 Damage or failure caused by neglect whether intentional or unintentional, dropping the unit, etc.,
- 1.4 Failure and damage caused by, but not limited to, fire, earthquake, water damage, lightning , other natural disaster, social pollution, transportation, abnormal voltage, and chemical material erosion,
- 1.5 Replacement of consumption material (rubber, battery, and stylus of each part),
- 1.6 Product failure caused by other products that are not manufactured by our company.
- 1.7 Failure generated by usage under the severe condition (lampblack, heat, dust, and water direct sunlight),
- 1.8 Failure and/or damage generated by the product usage at the site except for common home (such as long-term industrial and commercial usage and vessel usage),
- 1.9 Not presenting warranty and product purchase bill, incomplete warranty bill recording content, and improper modification and deletion,
- 1.10 The product body (serial) number is removed or modified,
- 1.11 The company is not responsible for any direct or indirect damages of assets or physical body caused by equipment damages.

2) This warranty only serves as the warranty for the user complying with listed period and condition in the warranty to enjoy free maintenance. Therefore, this warranty does not limit user's legal right, if not clear to the related maintenance issues during the guaranteed period, please consult to the maintenance site or office listed in the warrant and appointed by our company.