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# Layout of Main Unit

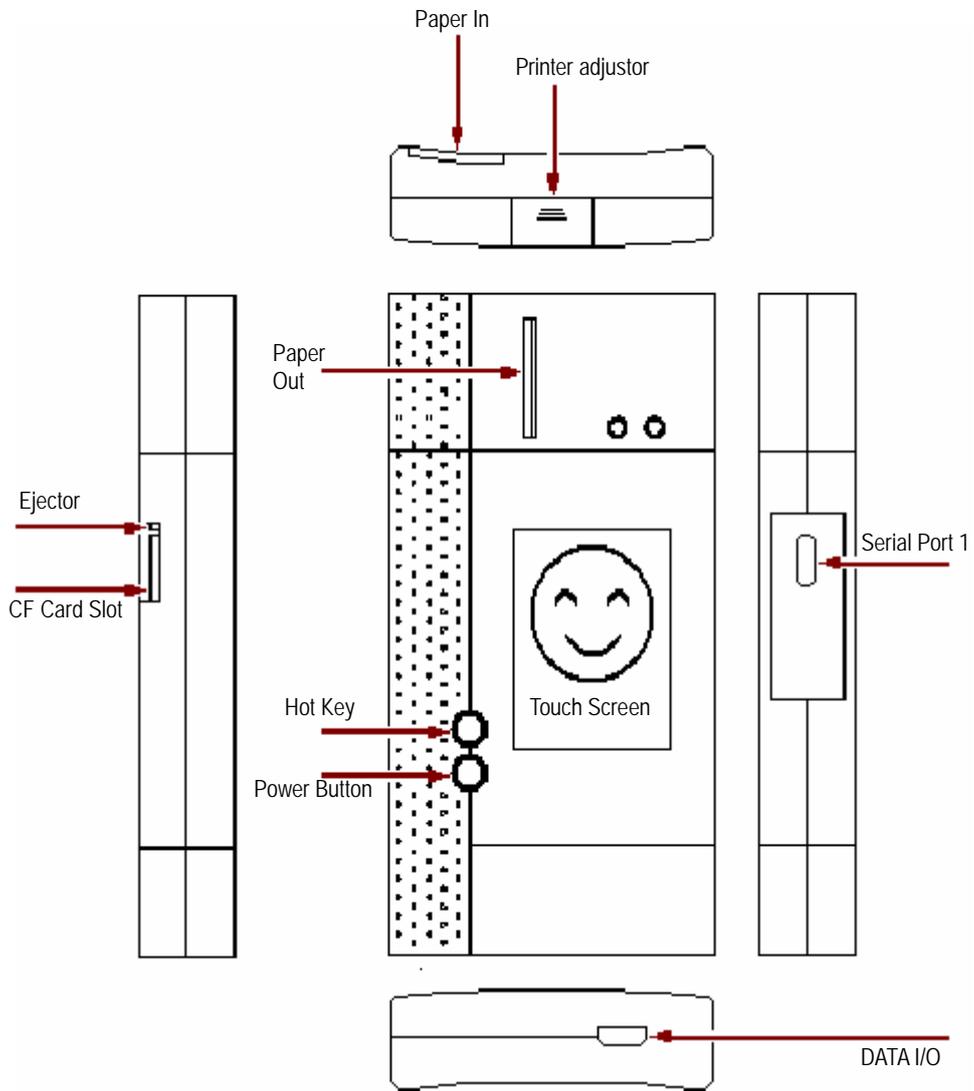


Fig.01

# Introduction

## Interface

Turn on the power source, and then press [Power] key on the machine. The screen will display the prompts about touch screen calibration. Press [Hot] key (refer to the section "Calibrate Touch screen" for detailed steps) if you want to make calibration, otherwise, you can wait until it displays the start interface as shown in Fig.02.



Fig.02

**Note:**

An interface for User Register will be displayed when the machine is started at first time. Refer to the section "User Register" for detailed steps.

When you want to turn off the machine, press and hold [Power] key for at least 2 seconds.

[Start] button: Its function is the same as that in Windows. Click it to pop up the start menu. The items and their respective functions in the menu are shown in the following table.

[] Active Taskbar Icon: Click it by stylus to display and switch the executed programs.

[] Back Light Icon: Click it to turn on/off back light.

[] Soft Keyboard Icon: Click it to activate the soft keyboard. Then you have two ways to choose:

1. Input by soft keyboard;
2. Input by writing board.

Functions:

PIM (Personal Information Management)	Memo	To record all kinds of important information and ideas, and make corresponding classification.
	Address	To store the detailed information of relative, friends, colleagues and business partners, which can be easily edited, retrieved and searched.
	To Do	It is convenient for user to record the business to do or being done, to delete or add task records, to arrange the priority of tasks, and to browse the classified tasks.
	Schedule	To arrange the appointments, journeys and meetings in a whole day; to check time schedule on business daily, weekly, monthly and/or annually; and to describe the place, time and other details for each schedule record.

Tools	Calculator	Both simple and scientific calculators are available.
	World Time	The time of many big cities in the world are offered. It is a helpful assistant for your travel.
	Mini Dictionary	An English-Chinese dictionary embodies a large number of words, which cover all fields to overcome your inconvenience in language.
	Picture View	To enjoy all kinds of pictures which can be zoomed in/out.
	Run	To start executable applications which are based on the operating system of the unit.
Game	FIR	It is a kind of chess.
	Reversi	To play for a while in your leisure time.
Control Panel	Application	To link the application with the 'Start' menu, or delete it from the 'Start' menu.
	Power Management	To preset the use of power to save on electricity as possible.
	Clock Set	To set the system time.
	Contrast	To adjust the contrast of display.
	Language Set	To select language to be used.
Vehicle maintenance	Vehicle diagnosis	Professional function of vehicle diagnosis.
	Sensor test and simulation	To test the sensor on vehicle and simulate the output signal from the sensor.

## Input

*Note: To input data, please activate Soft Keyboard with stylus and use the stylus in the subsequent operations.*

### Using the Soft Keyboard

#### Activate And Hide

You can click Soft Keyboard icon on the bottom of the touch screen to activate the soft keyboard, and click again to hide it.

#### Input By Soft Keyboard

You have two ways to choose. One is to input by Soft Keyboard just like normal keyboard, but with stylus instead of finger. The other is to input by writing board.

Click [En] button, it will switch from normal keyboard to writing board [Hw]. And click [Hw] button, it will switch back.

#### The Function Key

There are four function keys on the upper-right of the Soft Keyboard. SBC/DBC case, punctuations, Keyboard/Writing board, and the Soft Keyboard position can be determined by clicking one of the four keys for each of the functions from left to right. (Refer to Fig.03)

The four function keys at the upper-middle position are for moving the cursor leftward, rightward, upward or downward.



Fig.03

In keyboard mode, the key at the bottom left of the keyboard is [Shift] key. Click it to change the lowercase letter into the uppercase letter, and the numeral key into special symbol (same as the special characters corresponding to the numeral keys in normal keyboard). The

white key at the bottom right of the Soft Keyboard is space key.

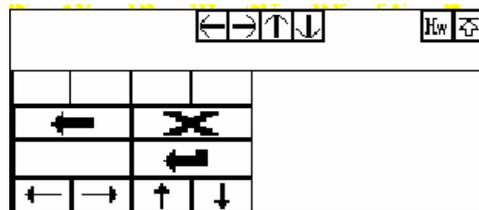


Fig.04

In writing board mode (refer to Fig.04), there are eight function keys at the lower left of the soft keyboard. The four ones on the bottom implement the function: to move the cursor leftward, rightward, upward or downward. The other four functions are (from left to right): to delete the first character before the current cursor, clear the hand-writing section, space and return.

#### Input by Keyboard

- 1) Open an interface, such as User information.
- 2) Click Soft Keyboard Icon in the tool bar to activate Soft Keyboard.
- 3) Click the characters on Soft Keyboard to enter data. (Refer to Fig.05)

#### Input by Writing Board

- 1) Open an interface, such as Memo.
- 2) Click [New] button.
- 3) Click the function key to switch to Writing Board. (Refer to the section "Use for Soft Keyboard").
- 4) Write on the white board to the right of the Soft Keyboard. Enter the information by function key operation.

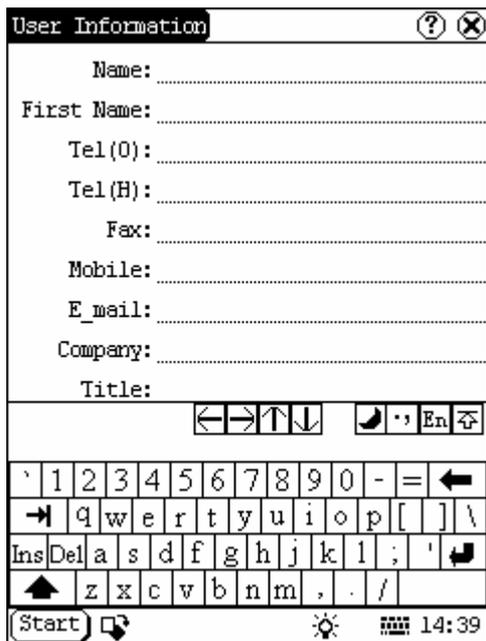


Fig.05

## Control of App

### Check Box

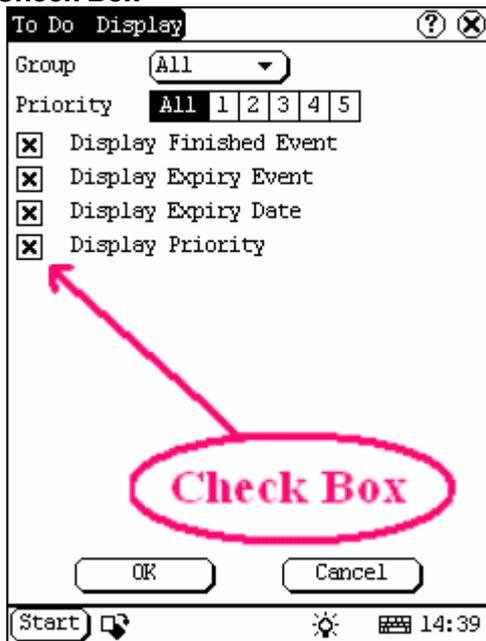


Fig.06

Click the check box to select the function. When the function is selected, 'X' will be marked in the check box and the function

description will be displayed on the right of the check box. You can select several functions at the same time. (Refer to Fig.06)

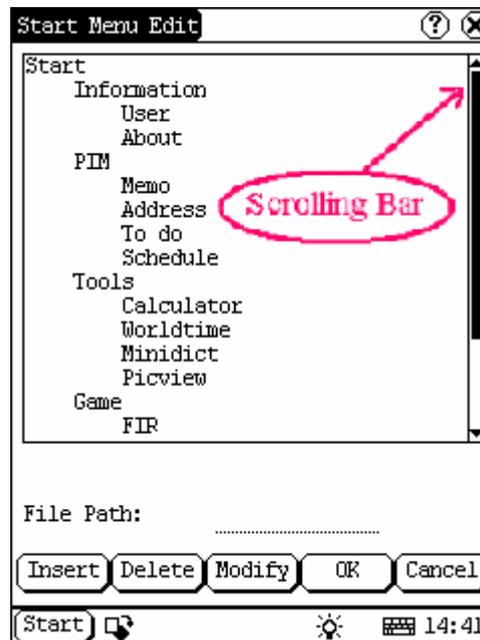


Fig.07

### Scrolling Bar

Scrolling Bar is usually at the right side of the touch screen. You can click or drag it to operate. If the content can't be displayed completely in one page, moving the Scrolling Bar can turn to next page. (Refer to Fig.07)

### Common Button

[X] Button at top right corner of the interface: After clicking it, current interface will be closed. When editing is being done, clicking of the button will be treated as quitting the editing.

[?] Button at top right corner of the interface: After clicking it, the help information will be shown.

[Cancel] Button in the interface: After clicking it, current interface will be closed.

### Help

Click [?] button at the top right corner of the interface to get helpful tips for current

interface.

simple calculator.

## Tool and Game

### Tools

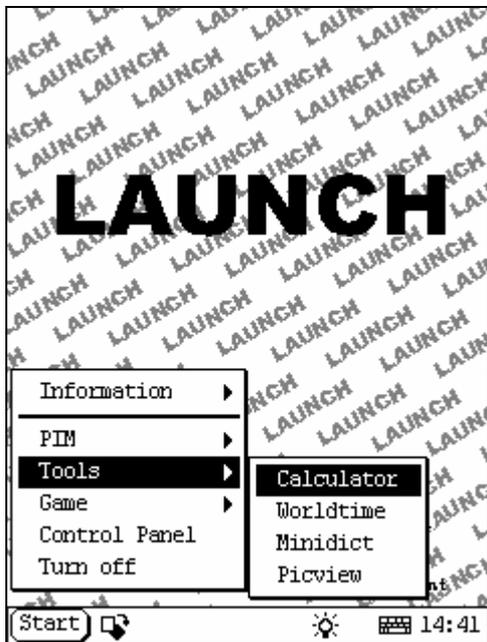


Fig.08

- 1) Click [Start] button.
- 2) Select 'Tools' in the pop-up menu.
- 3) Select the function needed in the pop-up submenu. (Refer to Fig.08)

### Calculator

This calculator can perform not only common calculations as a simple calculator, such as addition and subtraction, but also the function operations as a scientific calculator, such as logarithm and factorial. (Refer to Fig.10).

- 1) In the pop-up menu of 'Tools', select 'Calculator' to open the Calculator interface.
- 2) Click the square overlap icon on upper left of the screen to switch between scientific calculator and simple calculator.
- 3) Click 'Unit Conversion' button to switch between unit conversion calculator and

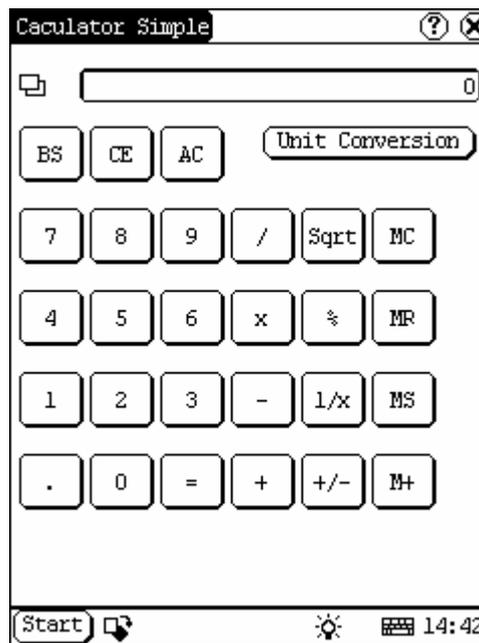


Fig.09

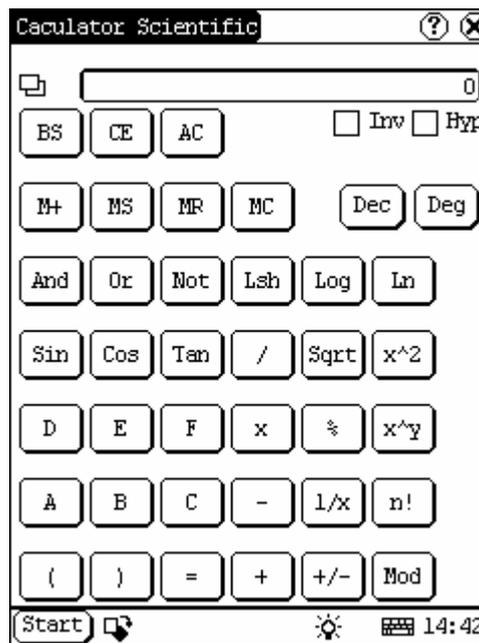


Fig.10

Common Calculator (Refer to Fig.09):

- 1) Click numeral keys on the screen to input.
- 2) Or activate Soft Keyboard, and click

numeral key on Soft Keyboard to input.

- 3) The operation is the same as that for normal calculator.

Unit Conversion Calculator (Refer to Fig.11):

- 1) Click 'Unit type' button at the top right corner to select unit type.
- 2) Input the number to be converted in the blank next to the unit name, and then you will see the conversion result.
- 3) If you want to return to simple calculator, please click 'X' button at the top right corner to close the current interface.

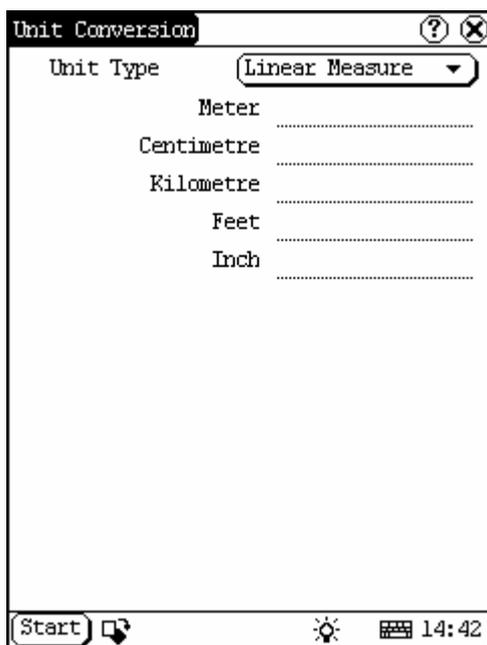


Fig.11

### World Time

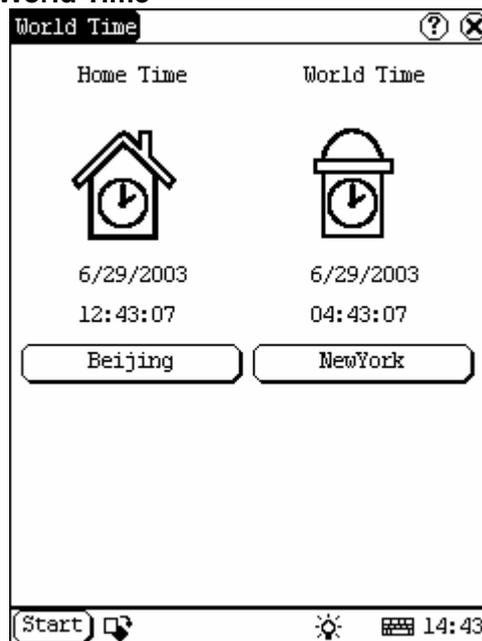


Fig.12

- 1) In the pop-up menu of 'Tools', select 'world time' to open the world time interface.
- 2) Click the button under the 'Home Time' icon to select region.
- 3) Click the button under the 'World Time' icon to select region.
- 4) Then you can see the time directly. (See Fig.12).

### Dictionary

- 1) In the pop-up menu of 'Tools', select 'Dictionary' to open the Dictionary interface. (See Fig.13)
- 2) Activate Soft Keyboard, and input words.
- 3) Select the word from the list on the left.
- 4) Click the word, and then you can find the translation in the right list.

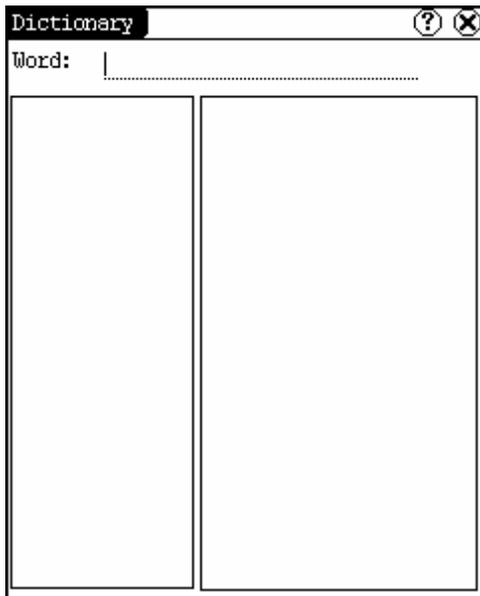


Fig.13



Fig.14

**Picture View**

- 1) Click [Start] button.
- 2) Select 'Tools' in the pop-up menu. (See Fig.14)
- 3) In the pop-up 'Tools' list, select 'Picview' to open the Picture interface.
- 4) In the Picture interface, click  icon in the toolbar on the top. (See Fig.15)
- 5) Select directory from the left list interface.
- 6) Select file from the right list interface.
- 7) Click [Parent Dir] button, and you can see the directory of current directory's parent.
- 8) You can see the directory of the picture at the right side of 'Path'.
- 9) You can see the file name of the picture at the right side of 'File'.
- 10) Click [OK] button to open the picture.

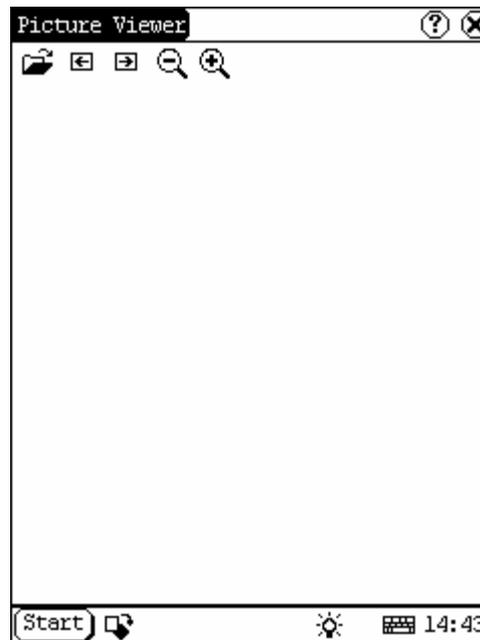


Fig.15

Browse the pictures in current directory

- 1) In the Picture interface, click  icon on the top to browse the previous picture.
- 2) In the Picture interface, click  icon on the top to browse the next picture.

*Note:*  
 This operation is needed only when more than one picture has been stored.

Zoom in and zoom out:  
 In the Picture interface, click  or  icon on the top, then you can zoom in or zoom out the current picture at will.

**Game**

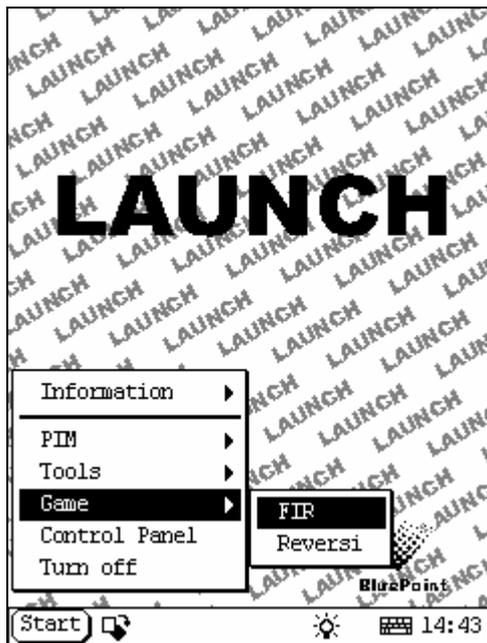


Fig.16

- 1) Click [Start] button.
- 2) Select 'Game' in the pop-up menu.
- 3) Select the function in the pop-up submenu. (See Fig.16)

**FIR**

- 1) In the pop-up submenu of 'Game', select 'FIR' to open the Chess Board.
- 2) Click black or white chessman to begin the game. The one who select the black chessman will start first. (See Fig.17)

Rules for the game:  
 You must try to make your five chessmen line up and prevent your adversary from achieving this goal in the process. The one whose 5 chessmen are lined up first is winner. You can

choose the black or white chessman at the bottom of the Chess Board before starting playing.

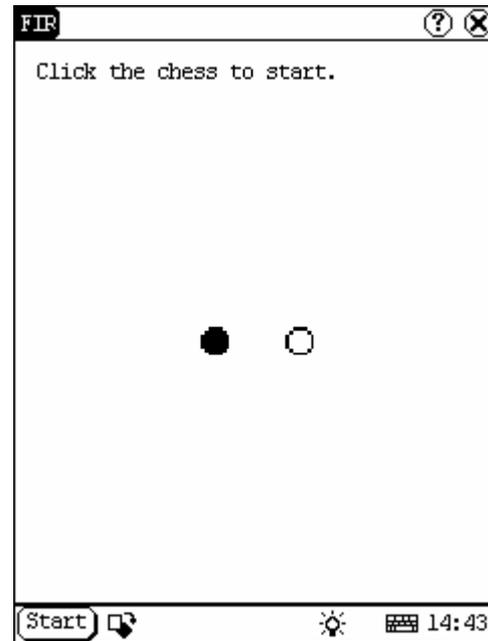


Fig.17

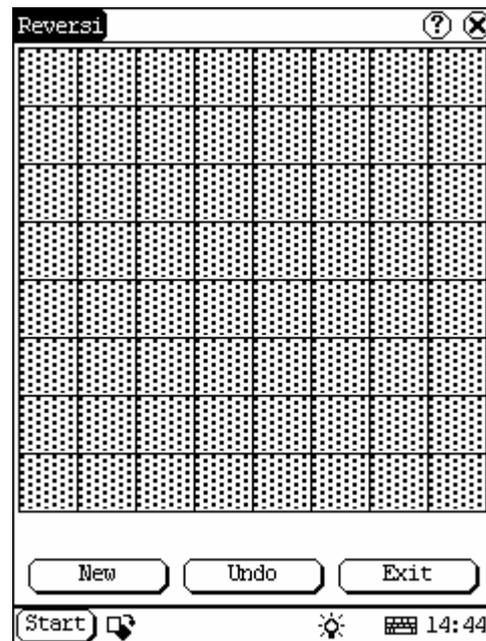


Fig.18

**Reversi**

- 1) In the pop-up menu of 'Game', select

'Reversi' to open the Chess Board. (See Fig.18)

- 2) Click [New Game] button to start.
- 3) Click [Undo] button for pull back.
- 4) Click [Close] button to close the Chess Board.

Rule:

The one who chooses white chessman can play first. All black chessmen between two white chessmen will turn to white ones and all white chessmen between two black chessmen will turn to black ones. So the player should be able to reverse adversary's chessmen in each step. When the chessboard is full of chessmen, the number of the chessmen for each color should be counted. The one who conserve more chessmen on the chessboard is winner.

## PIM

- 1) Click [Start] button.
- 2) Select 'PIM' in the pop-up menu.
- 3) Select the function needed in the pop-up list. See Fig.19.

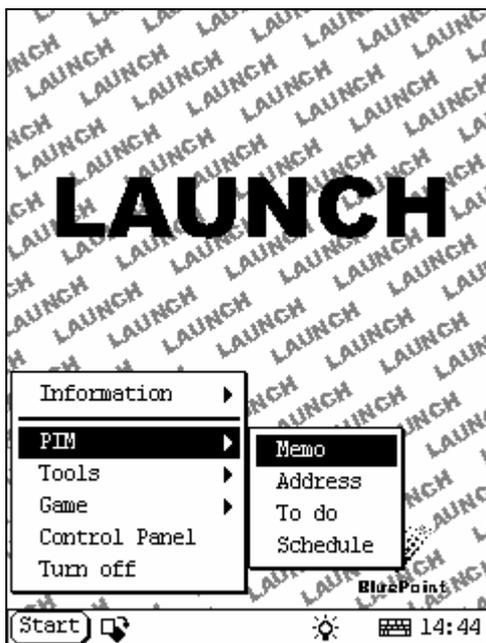


Fig.19

## Memo

The basic functions of Memo include: add new memo, view memo, delete memo, browse by types, etc.

- 1) In the pop-up 'PIM' list, select 'Memo' to open the Memo interface. (See Fig.20)
- 2) After you click the [↓] button on top right corner, the type list will pop up. Then you can select the type of the memo.
- 3) You can also select the Edit Group in the type list to open the Edit Group interface.
- 4) The memo list of corresponding type will be displayed in the list box on the midst of the Memo interface.
- 5) Click one memo in the memo list to open the Memo Edit interface.
- 6) Click [New] button to open the New Memo interface.

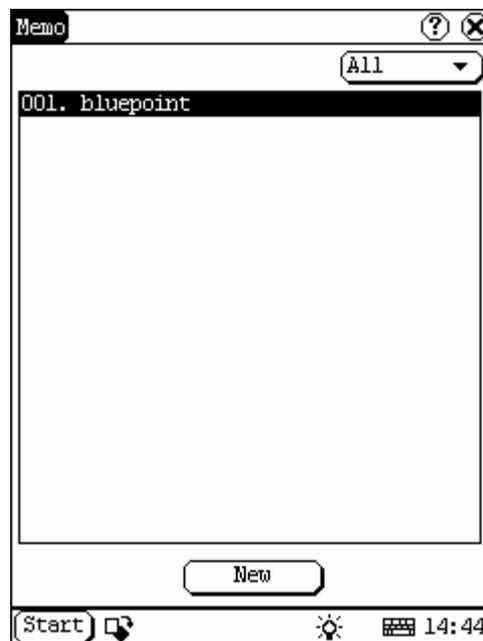


Fig.20

### Add New Memo

- 1) In the Memo interface, click [New] button to open the New Memo interface.
- 2) Activate Soft Keyboard, and fill the subject and contents.
- 3) Click the button on top right corner, then select the type in the pop-up list
- 4) Click [OK] button to save and close the

- 5) Then you can see the new memo in the list box of the Memo interface.

**View Memo**

- 1) In the list box of the Memo interface, click the memo that you want to view.
- 2) Then you can view the contents of the memo in the opened Memo Edit interface.
- 3) Click [OK] button to close the Memo Edit interface.

**Edit Memo**

- 1) In the list box of the Memo interface, click the memo that you want to edit.
- 2) Then you can edit the contents of the memo in the opened Memo Edit interface. See Fig.21.
- 3) After editing, click [OK] button to save the edited contents and close the Memo Edit interface.

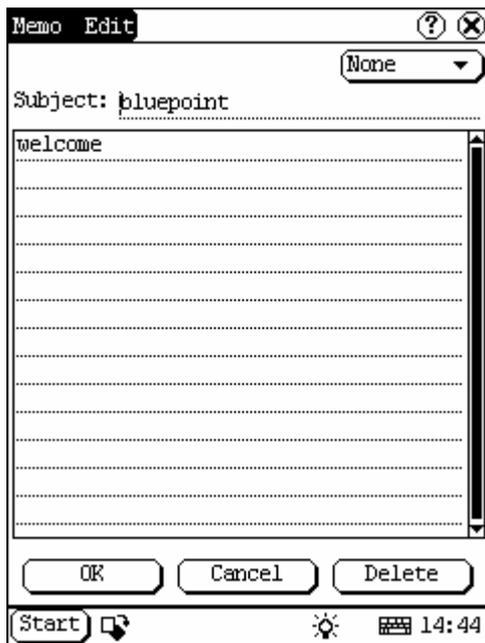


Fig.21

**Delete Memo**

- 1) In the list box of the Memo interface, click the memo that you want to delete.
- 2) Then you can delete the memo in the opened Memo Edit interface.

- 3) Click [Delete] button to delete the memo and close the Memo Edit interface.

**Edit Type**

- 1) Click the [↓] button on the top right of the interface so that the type list pops up.
- 2) In the type list, select the Edit Group to open the Edit Group interface.
- 3) In the Edit Group interface, activate Soft Keyboard.
- 4) In the text box at the bottom of the interface, input the name of the type.
- 5) Click [Add] button to add a new type and it will be displayed in the list box of the Edit Group interface. (See Fig.22)
- 6) Select one type in the list box, and then click [Delete] button to delete it.
- 7) Click [Close] button to close the Edit Group interface.

*The interface ② : It represents the Memo Interface, the New Memo interface and the Memo Edit interface.*

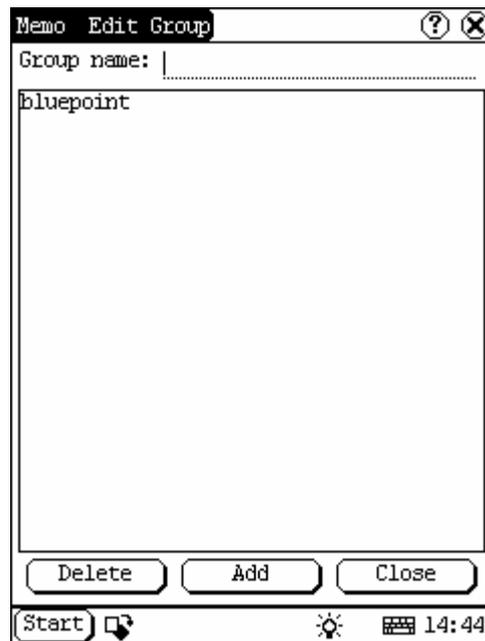


Fig.22

**Browse By Types**

- 1) Click the [↓] button on the top right of

the Memo interface so that the type list pops up.

- 2) Select the type in the list.
- 3) Then you can see the memo belonging to the type in the list box.

*Note: Only the memo belonging to the type can be displayed here. If you want to browse all memos, please select 'All' in the steps 1 and 2.*

## Address

The basic functions of Address Book include: add new address, view address, delete address, to search address, etc.

- 1) In the pop-up 'PIM' list, select 'Address' to open the Address Book interface.
- 2) It lists the name of persons whose communication information has been stored.
- 3) Click [New] button to open the Address New interface. (See Fig.23)
- 4) Click [Find] button to pop up the Find People interface.

The operation guide for each function is described below:

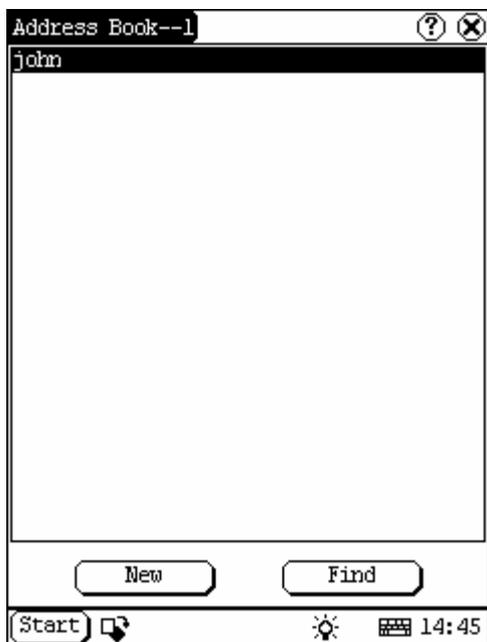


Fig.23

## Add New Address

- 1) In the Address Book interface, click [New] button to open the Address New interface. (See Fig.24)
- 2) Activate Soft Keyboard, and fill the detailed information on relatives and friends.
- 3) Click [OK] button to save and close the Address New interface.
- 4) Then the added name will be displayed in the list box of the Address Book interface.

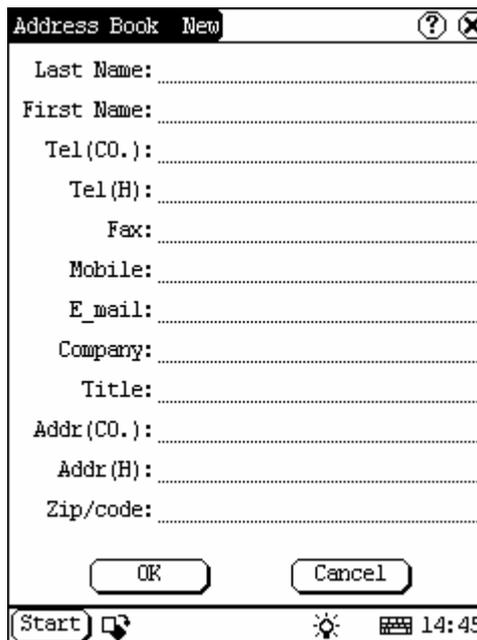


Fig.24

## View Address

- 1) In the list box of the Address Book interface, click the name that you want to view.
- 2) Then the detailed information about the person will be shown in the opened Address Edit interface.
- 3) Click [OK] button to close the Address Edit interface.

## Edit Address

- 1) In the list box of the Address Book interface, click the name that you want to edit.
- 2) Then the information about the person

can be edited in the opened Address Edit interface. See Fig.25.

- 3) After editing, click [OK] button to save the edited contents and close the Address Edit interface.

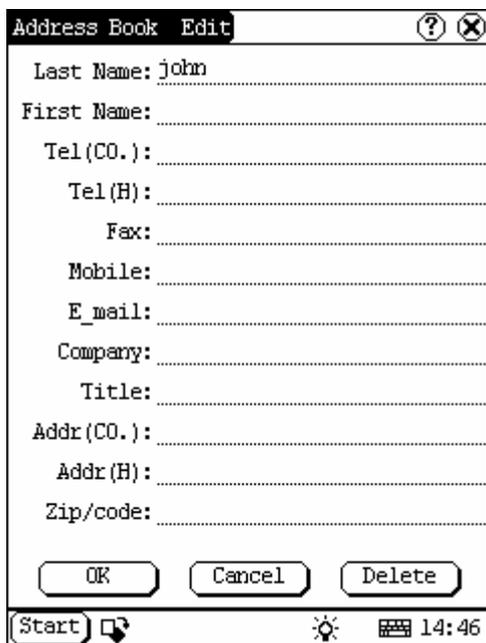


Fig.25

**Delete Address**

- 1) In the list box of the Address Book interface, click the name that you want to delete.
- 2) Then the information about the person will be shown in the opened Address Edit interface.
- 3) Click [Delete] button to delete the person's information and close the Address Edit interface.

**Search Address**

- 1) In the Address Book interface, click [Find] button to pop up the Find People interface. See Fig.26.
- 2) Activate Soft Keyboard, and input the name you want to search.
- 3) Click [OK] button, and then you will see that the name you search is highlighted in the list box.

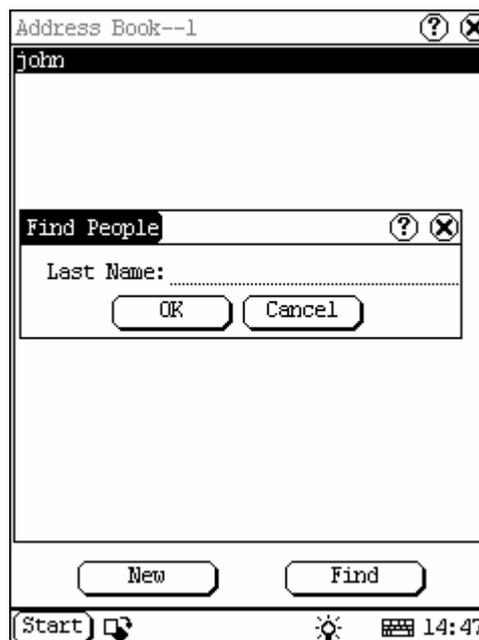


Fig.26

**To Do**

The basic functions of To Do include: add new To Do, view To Do, delete To Do and set To Do, etc.

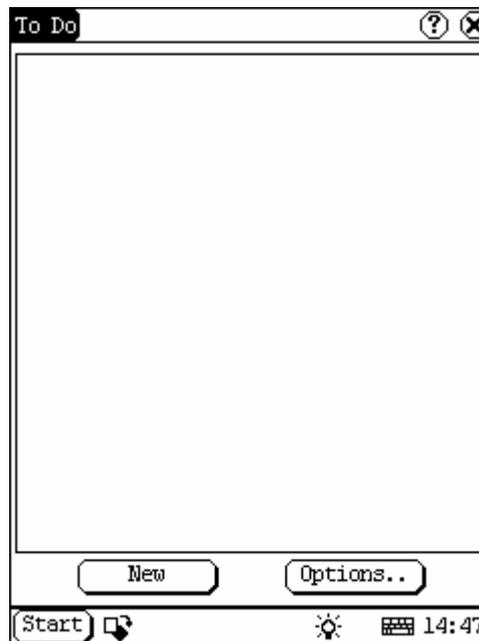


Fig.27

- 1) In the pop-up 'PIM' list, select 'To Do' item to open the To Do interface.
- 2) The To Do list of corresponding items will be displayed in the list box on the midst of the Memo interface.
- 3) Click [Options] button to open the To Do Display interface. (See Fig.27)
- 4) Click [New] button to open the To Do New interface.

### Add New To Do

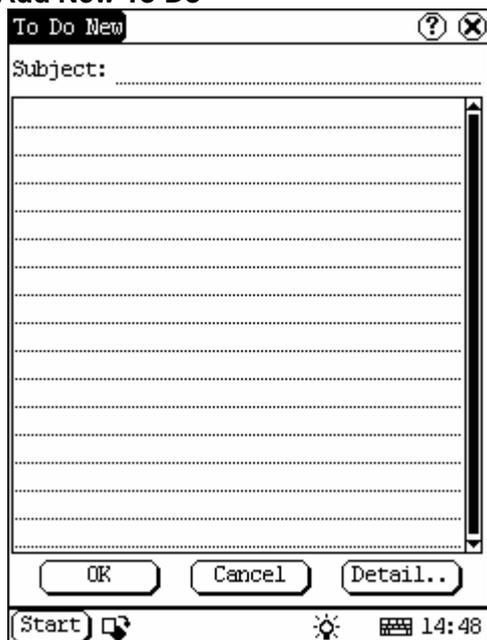


Fig.28

- 1) In the To Do interface, click [New] button to open the To Do New interface. See Fig.28.
- 2) Activate Soft Keyboard, and fill in the subject and contents.
- 3) Click [Detail] button to open the To Do Detail interface. See Fig.29.
- 4) In the To Do Detail interface, click the button to the right of 'Group' to pop up the type list.
- 5) Click the button to the right of 'Expired', and select the data in the pop-up list.
- 6) Click the number to the right of 'Priority' to set the priority of the To Do.
- 7) If the To Do has been finished, please click the box to the right of 'Finished'. When the function is selected, 'X' will be

marked in the box.

- 8) Click [OK] button to save and close the To Do Detail interface.
- 9) In the To Do Detail interface, click [OK] button to save and close the To Do New interface.

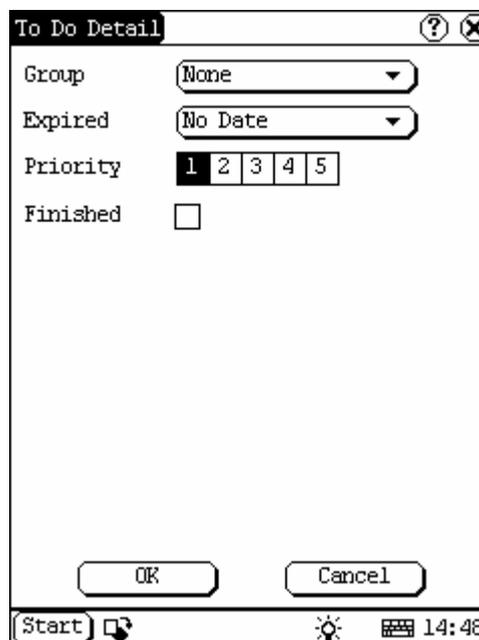


Fig.29

### View To Do

- 1) In the list box of the To Do interface, click the to do that you want to view.
- 2) Then the contents of the To Do will be shown in the opened To Do Edit interface.
- 3) Click [OK] button to close the To Do Edit interface.

### Edit To Do

- 1) In the list box of the To Do interface, click the memo that you want to edit.
- 2) Then the contents of the memo will be shown in the opened To Do Edit interface.
- 3) Click [Detail] button to open the To Do Detail interface, please refer to step 4-8 in the section "Add New To Do".
- 4) After editing, click [OK] button to save the edited contents and close the To Do Edit interface.

**Delete To Do**

- 1) In the list box of the To Do interface, click the to do that you want to delete.
- 2) Then the contents will be shown in the opened To Do Edit interface.
- 3) Click [Delete] button to delete the To Do and close the To Do Edit interface.

**Edit Type**

- 1) Click the [↓] button to the right of 'Group' in the interface ③ so that the type list pops up.
- 2) In the type list, select 'Edit Group' to open the Edit Group interface. See Fig.30.
- 3) In the Edit Group interface, activate Soft Keyboard.
- 4) In the text box at the bottom of the interface, input the name of the type.
- 5) Click [New] button to add a new type and it will be displayed in the list box of the Edit Group interface.
- 6) Select one type in the list box, and then click [Delete] button to delete it.
- 7) Click [Close] button to close the Edit Group interface.

*The interface ③ : It represents the To Do Detail Interface (Refer to step 1-3 in the section "Add New To Do" and "Edit To Do"), and the To Do Display interface (Refer to step 1 in the section "The Set of Display").*

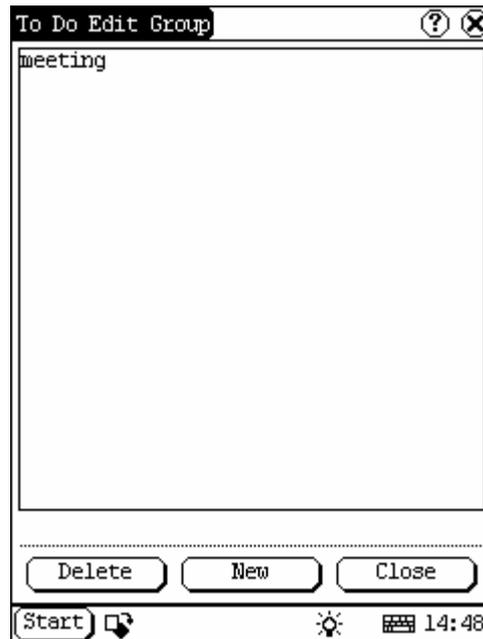


Fig.30

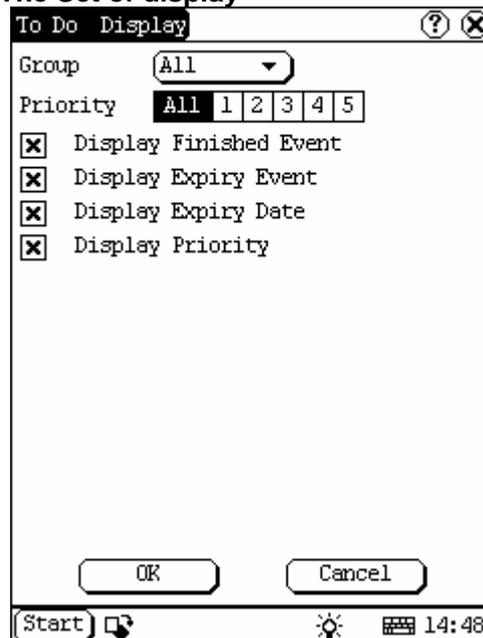
**The Set of display**

Fig.31

- 1) In the To Do interface, click [Options] button to open the To Do Display interface.
- 2) In the To Do Display interface, click the button to the right of 'Group' to pop up

- type list, and select the type in the pop-up list.
- 3) Click the button to the right of 'Expired', and select the data in the pop-up list.
- 4) Click the number or 'All' to the right of 'Priority' to set the priority of the displayed To Do.
- 5) Click the box to the right of each function. When 'X' is displayed in the box, the function is selected. (See Fig.31)
- 6) Click [OK] button to close the To Do Display interface.
- 7) Then you can see the corresponding To Do in the list box of the To Do interface.

## Schedule

The basic functions of Schedule include: add new schedule, view schedule, delete schedule, etc.

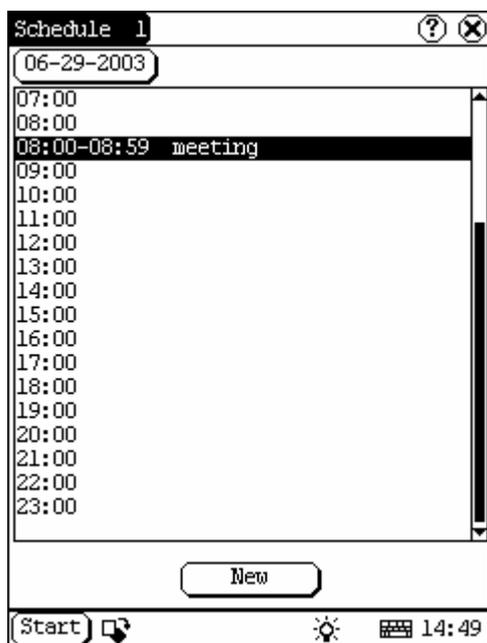


Fig.32

- 3) In the list box in the middle of the interface, all schedules on that day corresponding to the Date button will be displayed. (See Fig.32)
- 4) Click [New] button, and then the cycle list pops up. You may select 'Common', 'Daily', 'Weekly', 'Monthly' and 'Annual'.
- 5) In the cycle list, select one item to open the Schedule New interface.

### Add New Schedule

Set the date of the schedule:

- 1) In the Schedule interface, click the Date button on the upper left to open the Select Date interface.
- 2) In the Select Date interface, click [←] icon to the left of the month or year to select the previous month or year.
- 3) Click the [→] icon to the right of the month or year to select the next month or year. (See Fig.33)
- 4) Click to select the date in the current month. When it is highlighted, it is selected.
- 5) Or click [Today] button to display the current year, month and date directly.
- 6) Click [OK] button to save the date setting and close the Select Date interface.
- 7) You may see the date you set on the button on the top right of the Schedule interface.

- 1) In the pop-up list of 'PIM', select 'Schedule' to open the Schedule interface.
- 2) Click the Date button on the upper left of the interface to open the Select Date interface.



Fig.33

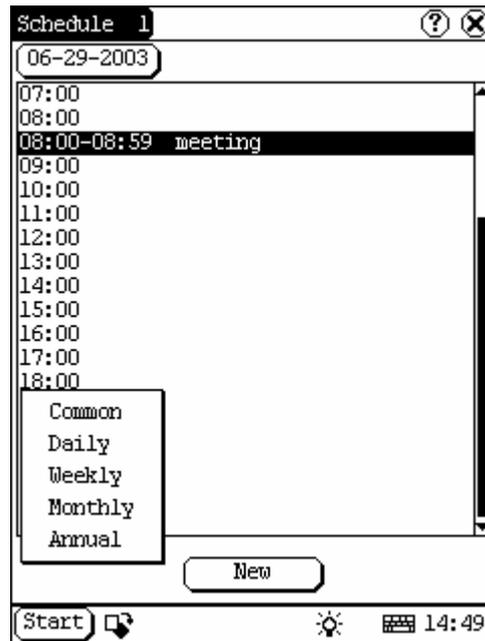


Fig.34

Set the cycle of the schedule:

- 1) In the Schedule interface, click [New] button so that the Cycle list pops up. See Fig.34.
- 2) In the Cycle list, select 'Common' if it is done on the selected date.
- 3) Select 'Daily' if it is done every day.
- 4) Select 'Weekly' if it is done on a fixed day every week.
- 5) Select 'Monthly' if it is done on a fixed day every month.
- 6) Select 'Annual' if it is done on a fixed day every year.
- 7) After selecting, open the New Schedule interface.

Set the content of the schedule:

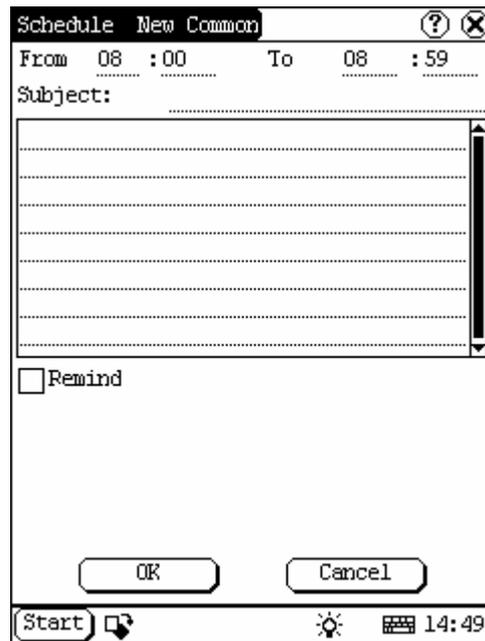


Fig.35

- 1) In the Schedule New interface, activate Soft Keyboard, and fill the subject and contents.
- 2) In the textbox on the top of the interface,

- fill the time of the schedule.
- 3) If the selected cycle is 'Daily', 'Weekly', 'Monthly' or 'Annual', you can input the repeat time in the textbox on the bottom of the interface. See Fig.35.
  - 4) "Remind" function can be selected and the reminding time can be set in the interface. The "Remind" function will not be available when the machine is turned off.
  - 5) Click [OK] button to save and close the Schedule New interface

### View Schedule

- 1) In the Schedule interface, select the date that has been scheduled. (Refer to the section "Add New Schedule → Set the date of the schedule")
- 2) In the list box of the Schedule interface, click Scrolling Bar to turn to next page, and click the schedule you want to view.
- 3) Then the contents of the schedule will be shown in the opened Schedule View interface.
- 4) Click [OK] button to close the Schedule View interface.

### Edit Schedule

- 1) In the Schedule interface, select the date that has been scheduled. (Refer to the section "Add New Schedule → Set the date of the schedule")
- 2) In the list box of the Schedule interface, click Scrolling Bar to turn to next page, and click the schedule you want to edit.
- 3) Then the contents of the schedule will be shown in the opened Schedule View interface.
- 4) If the edited affair is 'Daily', 'Weekly', 'Monthly' or 'Annual', you can edit the repeat time in the textbox on the bottom of the interface.
- 5) After editing, click [OK] button to save the edited contents and close the Schedule View interface.

### Delete Schedule

- 1) In the Schedule interface, select the date that has been scheduled. (Refer to the section "Add New Schedule → Set the

date of the schedule")

- 2) In the list box of the Schedule interface, click Scrolling Bar to turn to next page, and click the schedule you want to edit.
- 3) Then the schedule will be shown in the opened Schedule View interface. See Fig.36.
- 4) Click [Delete] button to delete it and close the Schedule View interface.

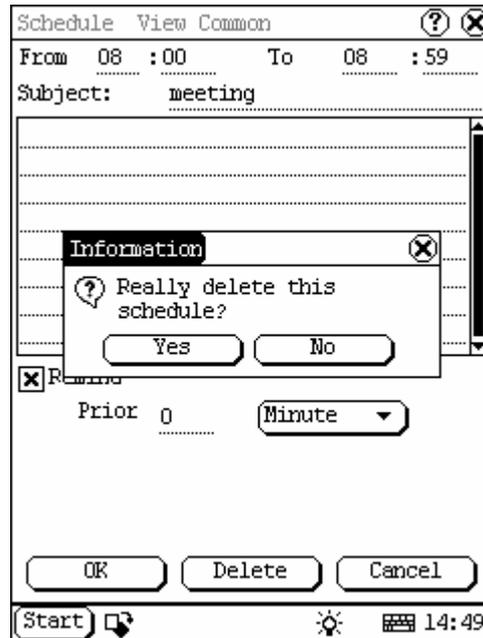


Fig.36

## System

### Control Panel

The control panel includes all interrelated software and hardware configurations. It makes the software more custom-built for you by configuring.

- 1) Click [Start] button.
- 2) Select 'Control Panel' in the pop-up menu.
- 3) Open the Control Panel interface. (See Fig.37)

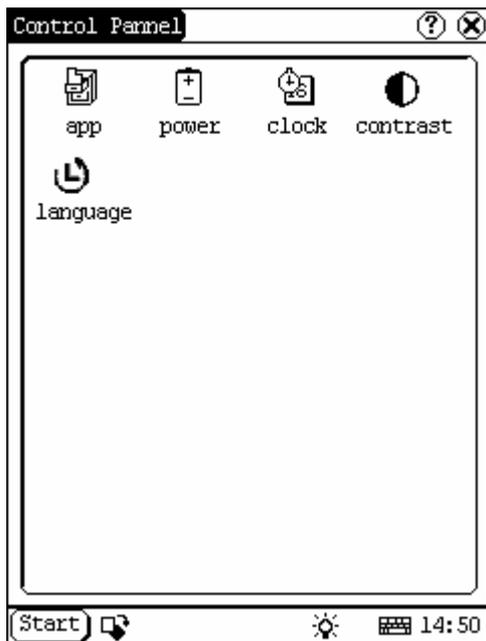


Fig.37

**Application**

It displays the application information contained in the 'Start' menu, including the group name, the submenu, etc.



Fig.38

1) In the Control Panel interface, click 'App'

icon to open the Application Manager interface.

- 2) Then you can see the corresponding information in the list box of the interface. (See Fig.38)
- 3) Insert a new group: Click [Insert] button and input the item name. Then choose "Start" as its parent and click [OK] button.

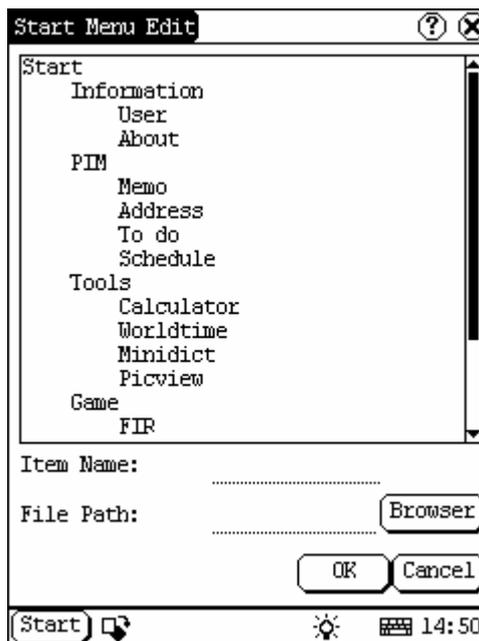


Fig.39

- 4) Insert a new submenu: Click [Insert] button and input the item name and the file path. Then choose a group as its parent and click [OK] button. The path can be inputted directly or found out in a dialogue box after clicking [Browser] button. See Fig.39 and Fig.40. Click [OK] button after selecting an item in the list. Then the selected file will automatically copied to the edit box.

The submenu should be linked to a present group instead of the "Start" item or another submenu.

5) Delete a group or a submenu:

Select a group or a submenu and then click [Delete] button. When a group is deleted, all of its submenus will be deleted.

- 6) Modify a group or a submenu:  
Click [Modify] button and then select the group or submenu from the list. Now you can modify the item name, file path and so on followed by clicking [OK] button.
- 7) Save the information:  
After editing the application, click [OK] button. The modified information will be saved in the corresponding file. If you want to quit the modification, click [Cancel] button.

**Note:**  
*Quit all other applications before saving the modification.*

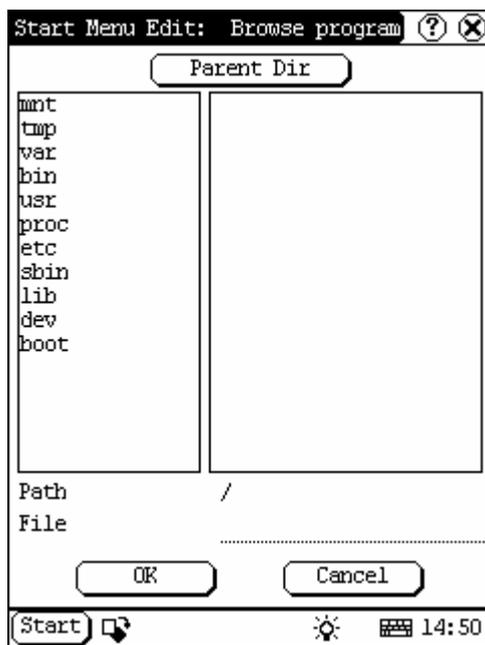


Fig.40

**Power Management**

In the Power Manager interface, you can see the condition of memory, and set the standby time. (See Fig.41)

- 1) In the Control Panel interface, click

'Power' icon to open the Power Manager interface.

- 2) Click the button to the right of 'Standby time', and select the time or 'None' in the pop-up list.
- 3) Click [OK] button to save the setting and close the Power Manager interface.

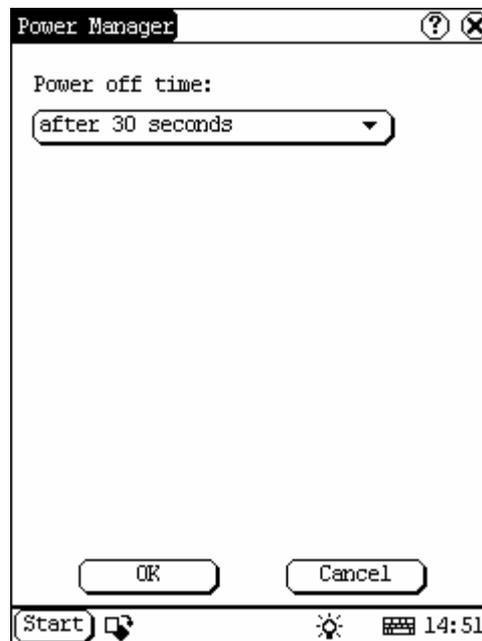


Fig.41

**Clock**

User can set the time and the time zone of the system.



Fig.42

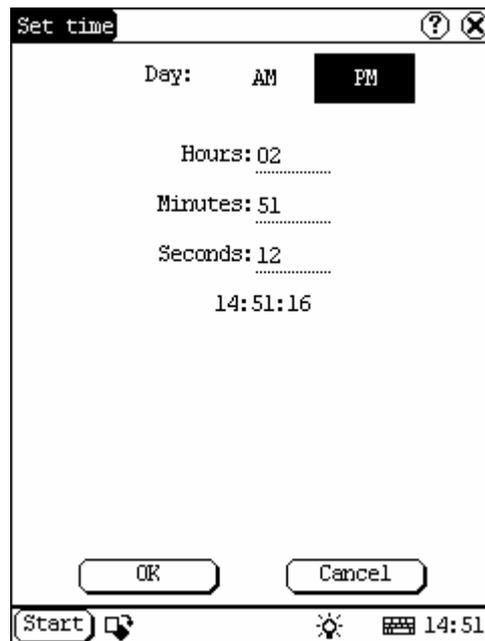


Fig.43

#### Set Time:

- 1) In the Control Panel interface, click 'Clock' icon to open the Date/Time interface as shown in Fig.42.
- 2) In the Date/Time interface, click [Set Time] button to open the Set Time interface as shown in Fig.43.
- 3) Click the characters to the right of 'Day' to set AM and PM, the selected one will be highlighted.
- 4) Activate Soft Keyboard, and then you can set 'Hours', 'Minutes' and 'Seconds' directly.
- 5) Click [OK] button to save and close the Set Time interface.

#### Set Date:

- 1) In the Date/Time interface, you can set date directly.
- 2) Click [←] icon to the left of the month or year to select the previous month or year.
- 3) Click the [→] icon to the right of the month or year to select the next month or year. (See Fig.42)
- 4) Click the date in the current month. It will be highlighted when it is selected.
- 5) Click [Set Time] button to save the setting.
- 6) Click [Quit] button to exit.

#### Set Time Zone

- 1) In the Date/Time interface, click [Set Time zone] button to open the Set Zone interface as shown in Fig.44.
- 2) Click Scrolling Bar to turn to next page of the list, and select your zone. It will be highlighted when it is selected.
- 3) Click [OK] button to save and close the Set Zone interface.



Fig.44

After finishing all setting, click [OK] button in the Date/Time interface to exit and close the interface.

**Contrast**

It is for adjusting the contrast of the screen to make the interface clearer.

- 1) In the Control Panel interface, click 'Contrast' icon to open the Contrast interface. See Fig.45.
- 2) In the Contrast interface, click the position you want, and then you can set it.

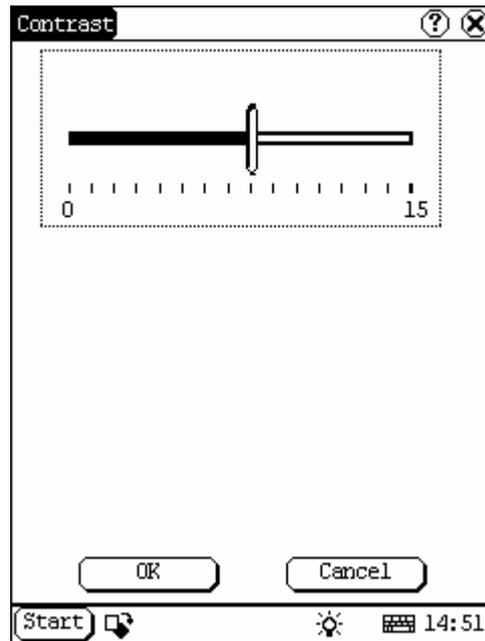


Fig.45

**Language**

You can make selection among several languages for convenient operation of the system.

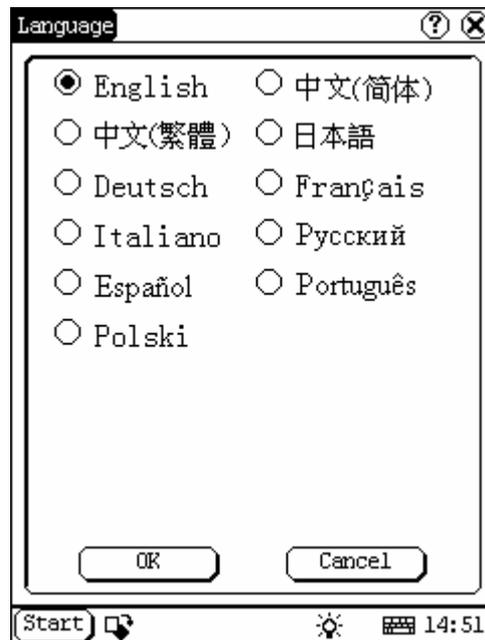


Fig.46

- 1) In the Control Panel interface, click

- 2) Select the language you want to use.
- 3) Click [OK] button to confirm the selection and close the language interface and the Control Panel interface.

*Note: Before selecting language, be sure to quit all applications.*

## System Information

### Calibrate Touch screen

It is for getting the desired accuracy of the touch screen. Calibrating of touch screen can be divided into two steps. The first step is to detect noise automatically. If you click the touch screen at this step, the noise value would be affected. After detecting the noise, the system will come to the calibration step. Now the cross cursor will be displayed.

- 1) After switching on the machine, follow the tips to press the hot key. The calibration interface will be opened.
- 2) Click the cross cursor on the screen accurately, and wait until it changes. Then one step of calibration is finished.
- 3) After calibration is finished for all corners, the system will automatically return to the start-up main interface.

*Note:*

- ◆ *Do not click the touch screen before the cross cursor appears.*
- ◆ *In the calibration step, if you fail to click the cross cursor accurately, the cross cursor will be displayed on the screen again and again until the calibration is finished completely.*

### User Register

The user's right can be well protected after registration.

- 1) Click [Start] button.
- 2) Select 'Information' in the pop-up menu.
- 3) Select 'User' in the pop-up list to open the User Information interface. (See Fig.47)

- 4) In the User Information interface, activate Soft Keyboard, and input the user information. (See Fig.48)
- 5) Click [OK] button to save the information and close the User Information interface.

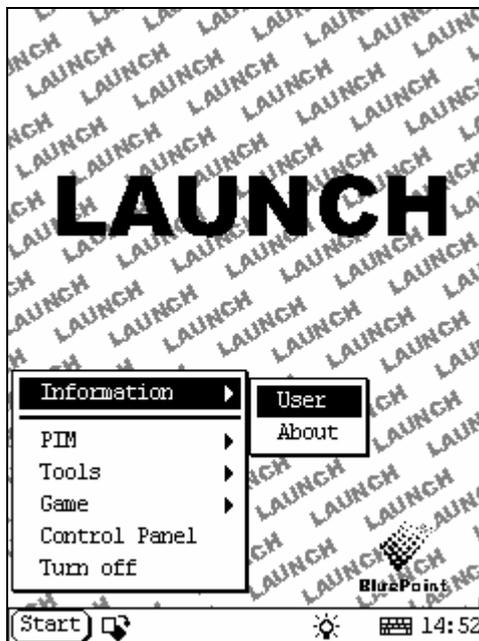


Fig.47

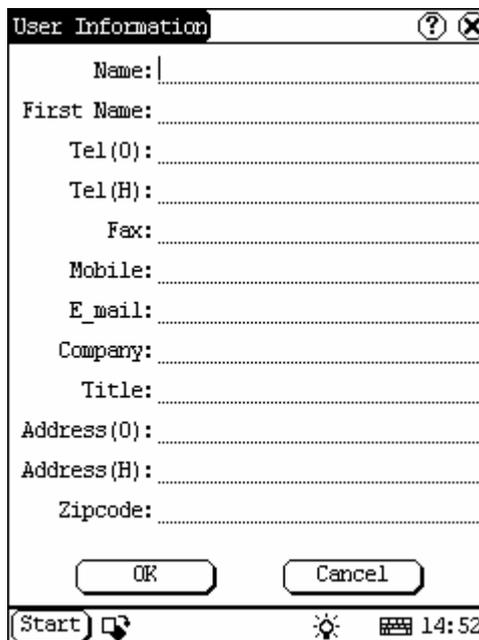


Fig.48

**About**

In 'Information' list, click 'About' to display the information on system software and hardware, then click [OK] button to close it. (See Fig.49)

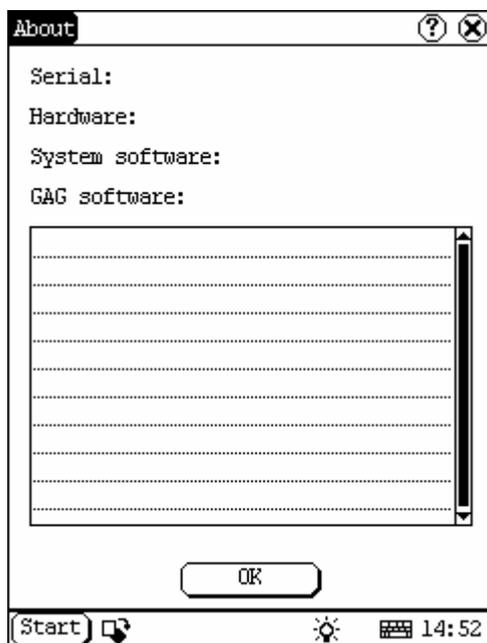


Fig.49

**Shut Down**

Click "Shut Down" in the Start menu when you attempt to turn off the machine.

**Vehicle Maintaining**

**Vehicle Decoding Device**

Click [Start] button, select 'Vehicle Maintaining' in the pop-up menu, and then click 'Vehicle Diagnosing' to open the Test interface.

Another way to enter the Test interface: Insert CF card, turn on the machine, and then press [Hot key] to enter the Test interface.

Refer to "X431-Smartbox Operation Guideline" for detailed description of vehicle diagnosis.

**Sensor Testing and Simulating**

Click [Start] button, select 'Vehicle Maintaining' in the menu, and then click 'Sensor Testing and Simulating' to open the Test interface.

Refer to "X431-Sensorbox Operation Guideline" for detailed description of this function.

**Update of Diagnostic Software**

The Internet update function of X431 can let the user conveniently and quickly download the software from our website for update.

LAUNCH put the latest version of software to [www.x431.com](http://www.x431.com) and display the message on the news page. User can use computer to visit the Website at any part of the world. After registration, the latest version of software can be downloaded. Then user can update his X-431 by unzipping and installing the software.

The operation procedure is as follows:

**User Registration**

Log on [www.X431.com](http://www.X431.com). Select the favorite language on the pull-down menu at the upper left of the interface to enter the homepage. See Fig.50



Fig.50

Click "Register" in the interface as shown in Fig.50 to open the window as shown in fig 51.

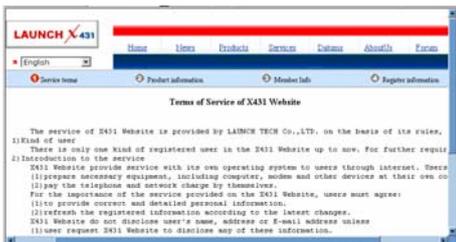


Fig.51

**Note:**

When the member purchases one or more products after registration, he should log onto the member area, and then click "product control" to register the newly purchased product. Refer to the section "Member login".

The terms of service is shown in the screen. After reading and fully understand it, click "I accept" button to enter the interface as shown in fig 52.



Fig.52

The serial No. is marked on the back of smartbox. The registration No. is in an envelope delivered with the product (the number must be kept confidential). The dealer code is attached on the last page of the user's manual.

After the information is filled, click "Next step" to enter the next interface as shown in fig 53.

**Note:**

1. When a product is sold, the dealer will log onto www.X431.com and enter the dealer code in the "Dealer administration" area so that the user can do effective registration later. User should contact the dealer if registration can not be done effectively.
2. If the filled serial No. or registration No. is invalid, the screen will display

the message as shown in fig. below. Click "OK" button to return to the previous interface to re-fill the correct numbers.



**Fill User Information**

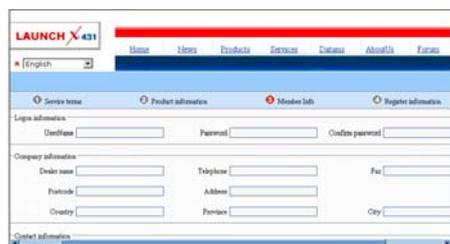


Fig. 53

After information is filled in the interface shown in fig 53(The red textbox must be filled. After registration, we will send the confidential information to your registered e-mail, so please make sure that your e-mail is valid.), click "Next step", and then the screen will display the interface shown as fig 54. Click "OK" then the registration is completed.



Fig 54

**Note:**

Only the registered user can download and update the software.

## Software Update

### Member Login

The user becomes the registered member after registration. Member can log in the website by filling username, password and user type in the interface as shown in fig 50.

*Note: when choosing the user type, the common users may choose the customer. If the dealer and the branch want to log in the website, please use the user information given by LAUNCH head office.*

After log successfully, the screen will display the interface as shown in fig 55 (The default interface is download center interface).



Fig 55

[Download Center]: Refer to "software download".

[Purchase Center]& [Update center]: Refer to "software purchase and update".

[Member Information]: Display and renew the current member information.

[Product Registration]: Register newly purchased product.

[Order Information]: Check or cancel the unpaid order.

[Renew Password]: After entering the right old password, then can renew the password.

[Awarded for complaint] If users meet some trouble during the operation, he can feedback to LAUNCH. Effective complaint will be awarded by LAUNCH

[Logout]: Users exit the registration.

### Software Download

After log successfully, the screen will enter the [download center] interface. (See fig.55) Registered user can download the software that

installed in the download center.

Before download, users had better set up a new folder named [X-431 update] on the computer desktop and put the download file to the[X-431 update] according the next steps.

**Note:**

1. *Software update of free charge will be provided by LAUNCH for one year. The free period is from the registration date on the website, not the purchase date. That is, during one year after the registration, users can free download the corresponding software.*
2. *If there is not the latest version in the download center, users can buy the version in the purchase center or in the update center. In the purchase center, users can buy the software that doesn't install in the download center. In the update center, users can buy the software that is beyond the free download period. After purchase successfully, the purchased software will be automatically added to the download center list.*

### Update Tool Download

Before update, users must download the update tools. On the drop-down menu, users select the language then click [download]. The screen will display the interface as shown in fig 56.

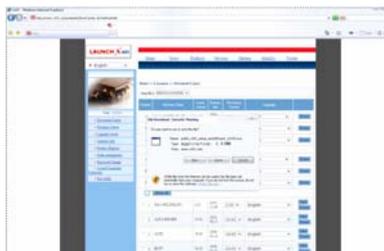


Fig 56

Click [save] to put it into the[X-431 update].

**Display Program Download**

When downloading the diagnostic program, users can also download the display program. On the drop-down menu, users select the language then click [down].Click [save] on the pop-up menu to put the program into the[X-431 update].

**Diagnostic Program Download**

On the drop-down menu, select the language and the version (The default version is the latest version). Click [down] icon, then click [save] on the pop-up menu to save the file.

Click [view] to learn the detailed information of the version.

Users can down the diagnostic program into the [X-431 update]. Up to now, the software that is for update is downloaded completely.



Fig 57

**Software Update**

Open the "X-431 update" folder, and double click the icon . Then install the update tool according to the prompts on the screen.

When the installation is complete, the "X-431 update tool" icon will appear on the desktop.

Double click the "X-431 update tool" icon to run the program. The program will automatically check the downloaded update files, including the

diagnostic program and the display program. See Fig 58



Fig 58

Select the module for update in the interface shown in Fig 58, and click "Update" icon to update. When the update is completed, prompts will appear to notify successful update.

**Software Purchase and Update**

If users can't find the software that he needed, at this time users should buy the software in the purchase center. Log on the [www.X431.com](http://www.X431.com) then enter the interface as shown in fig 59.



Fig 59

Click [purchase center] to choose the serial number, and then tick in front of the serial number.

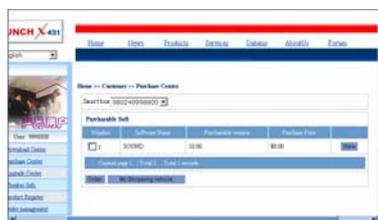


Fig 60

Take the Transporter& V Class as an example,

click the [view] that is in the same line with the Transporter& V Class. The screen will display the concrete information about the Transporter&V Class diagnostic software.

A new page will appear when user clicks "Download" button. The pop up window will show the description for updating the downloaded software.



Fig 61

Click 'order' to add the selected software to shopping chart. (See fig.61).



Fig 62

Click 'pay' to buy the software. The bought software will be automatically added to the user's download center.

Click 'clear' to clear all the software in the shopping cart.

Click 'purchase other' to buy other software. (See fig 62).

**Note:**

*The operation for update center is the same as for the purchase center.*

Select the programs that can be deleted and click "Delete" button to make some more space available.

**Hardware Requirement**

The following should be made ready:

1. A computer that can be connected to Internet.
2. A CF card reader/writer and a CF card that need to be updated.

See Fig.63 for hardware connection.

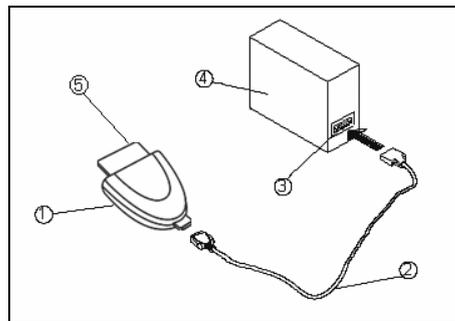


Fig.63

- 1-CF card reader/writer      2-Update cable  
3-USB Port      4-Computer      5-CF cartridge

1. Insert the CF card into the CF card reader/writer.
2. Connect one end of the update cable(2) to the port of the CF card reader/writer(1), and the other end to the USB port of the computer.

**Precaution on operation of the CF card reader/writer:**

**1) Install the driver**

If it is the first time to use the CF card reader/writer, you may have to install its driver. Use CD-ROM or floppy disk which are bought separately or delivered with the CF card reader/writer to install the driver.

CF card reader/writer can use the default driver in Windows Me/2000/XP and Mac OS 9.x/Mac OS X. However, it is necessary to install the driver on Windows 98.

The installation procedure is as follows:

1. Boot Windows 98.
2. Insert the CD-ROM into CD-ROM drive.
3. Connect CF card to the USB port of the PC with the attached USB cable.
4. Find and Double click on setup.exe file in

the catalogue of CD-ROM. The system will make preparation for the installation. See Fig.64.

- When the preparation is complete, the screen will prompt to continue the operation. See Fig.65. Click "Next" to start installation.

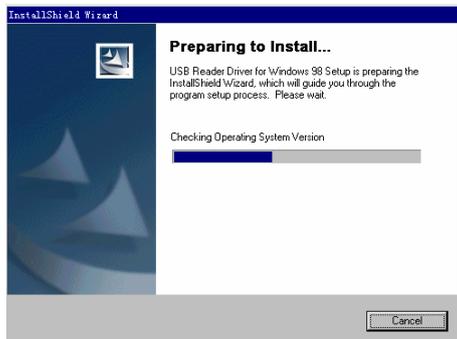


Fig.64

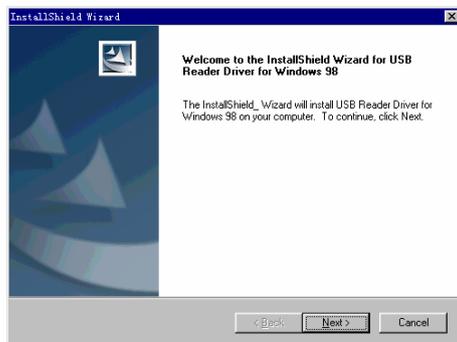


Fig.65

- When installation is finished, the screen will display the information as shown in Fig.66. Click "Finish" to exit.

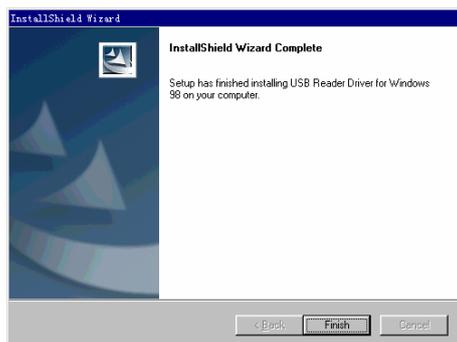


Fig.66

When the CF card reader/writer is installed

successfully, a "Removable disk" icon  will be added in the catalogue of "My computer".

**Note:**

- ◆ *Do not unplug the CF card reader/writer from the USB port while its LED is blinking, otherwise data would be damaged!*
- ◆ *Data on CF card cannot be restored from the "Recycle Bin" once deleted.*

**2) Pull out the CF card**

The CF card must not be pulled out when the CF card reader/writer is being used. Otherwise, the data in the CF card will be lost.

Procedure for pulling out the CF cartridge:

On the desktop of Windows, open the window of "My computer". Click the right mouse button on "Removable disk" to pop up a menu. Select "Ejector (J)" in the menu. Then pull out the CF card. The written data may be lost if the CF card is pulled out discretionarily. When you want to use the CF card again, put it in.

**Software Update**

Open the "X-431 update" folder, and double click the icon . Then install the update tool according to the prompts on the screen.

When the installation is complete, the "X431 update tool" icon will appear on the desktop.

Make sure that the X-431 CF card reader/writer and the CF card are well connected to the computer. Then double click the "X431 update tool" icon to run the program. The program will automatically check the downloaded update files, including the diagnostic program and the display program. See Fig.67.



Fig.67

Select the module for update in the interface shown in Fig.67, and click "Update" icon to update. When the update is complete, prompts will appear to notify successful update.

After completion of update, press "Esc" key to exit the update tool.

If error message appears during update, it may be the following circumstances. Solve the problem and try again.

- 1) CF card reader/writer is not well connected to the computer, or its driver is not correctly installed in the computer.
- 2) Memory of CF card is insufficient.
- 3) Other cause.

### Remaking of X-431 CF card

In case X-431 CF card is damaged and the program in the card can not be used, please use the following procedure to remake the CF card:

1. Log onto the website "www.x431.com". Enter your username and password to log in.

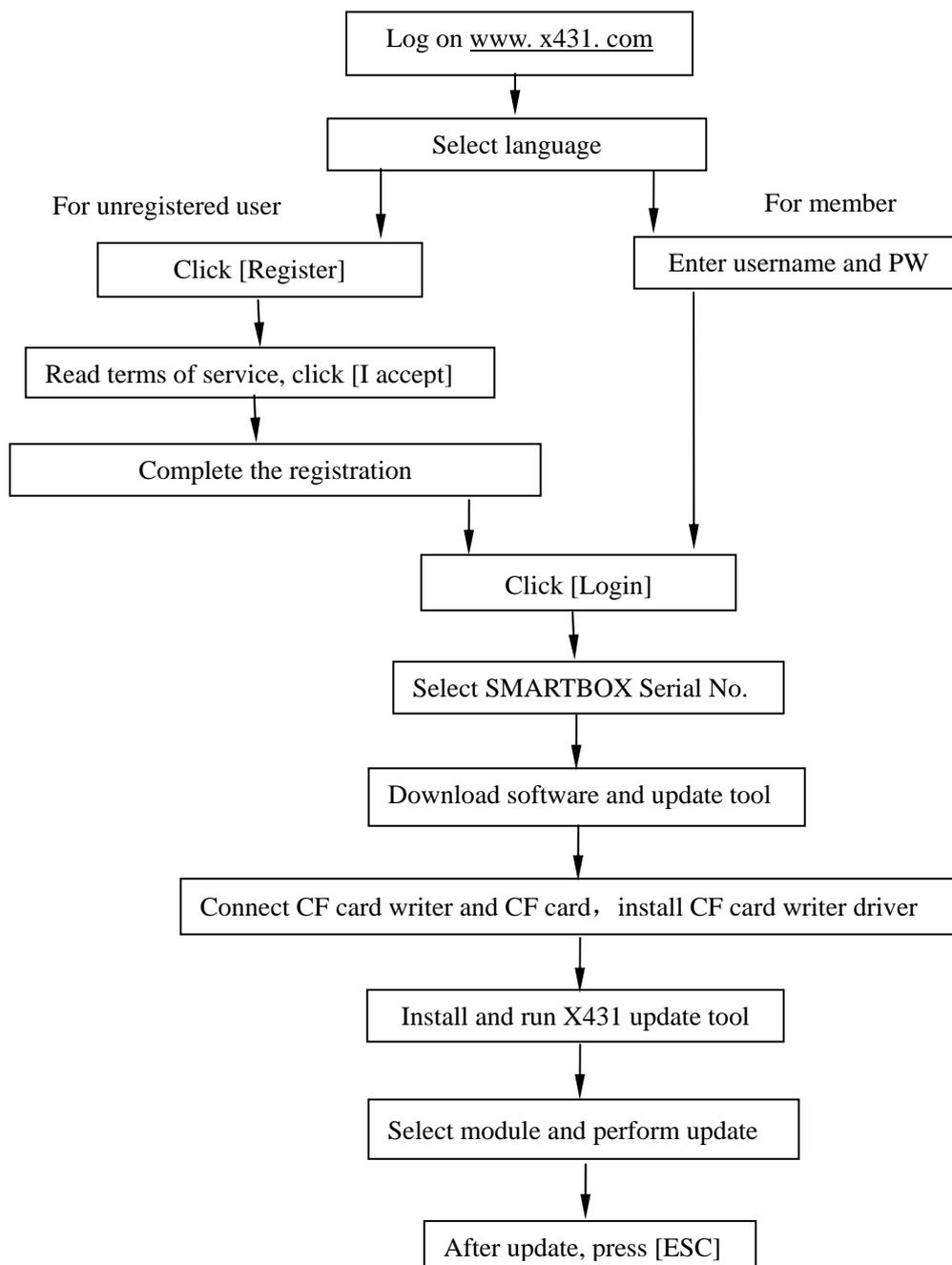
Select the SMARTBOX No., and then download the following programs into your computer:

- 1) Necessary programs for making CF card:
  - X431 UPDATE TOOLS---- for writing the program from computer to CF card when doing X-431 update

- DISPLAY PROGRAM---- for displaying the X-431 diagnostic information and managing the X-431 diagnostic programs
- SYSTEM DATA---- system data used by X-431 system

- 2) Optional programs that can be selected according to user's demand: Diagnostic program for various vehicles

2. Install the X-431 UPDATE TOOLS into computer.
3. Format the X-431 CF card.
4. Run the X-431 UPDATE TOOLS and write the display program, system data and diagnostic programs onto CF card.

**Appendix: Flow Chart of X-431 Upgrade**

## Important Notice

### FAQ

Q: Why can't I input data after I activate Soft Keyboard?

A: It may be the following situations.

- 1) The position where the cursor lies can't be edited.
- 2) You have not activated the cursor on the input position. Use the stylus to click the part to edit. When the cursor twinkles, you can input the data.

Q: Why can't I switch from Active Taskbar to the running application interface?

A: Please close interfaces related to the application, such as the Help or Detail.

Q: Why is the screen inactive after the cross cursor appears on the screen?

A: The system is calibrating the touch screen. It will start up after calibrating. To know more, please refer to the section "System Information → Calibrate Touch screen".

Q: Why does the saved data disappear?

A: It may be the following situations:

- 1) Your CF card is damaged.
- 2) You've changed language and the data is related to language. You may find the data after switching back to the former language.

Q: Why is there no reaction or wrong reaction when I click with stylus?

A: Now you may need to calibrate the touch screen. Refer to the section "System Information → Calibrate Touch screen" for calibration.

Q: What can I do when the screen is confused?

A: Please quit the current application (interface), and run it again. If the problem is not solved, please restart the system.

Q: How can I know what applications (interfaces) I've opened?

A: Click the active taskbar icon, then the pop-up list will display the applications (interfaces) you've opened.

Q: Why can't I operate the current interface?

A: It may be the following situations.

- 1) Your current interface has exit illegally. In this situation, You may not see the name of the application (interface) in the pop-up list when you click the active taskbar icon.
- 2) The system is busy, please wait patiently, or click the active taskbar icon to switch to another application (interface).

Q: Why does the system prompt that 'CF card is not found' when it is started?

A: Your CF card is inserted incorrectly or it is damaged.

## Warranty

THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE LAUNCH PRODUCTS FOR PURPOSES OF RESALE OR USE IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS.

LAUNCH electronic product is warranted against defects in materials and workmanship for one year (12 months) from date of delivery to the user. This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and LAUNCH shall not be liable for any consequential or incidental damages. Final determination of defects shall be made by LAUNCH in accordance with procedures established by LAUNCH. No agent, employee, or representative of LAUNCH has any authority to bind LAUNCH to any affirmation, representation, or warranty concerning LAUNCH automotive meters, except as stated herein.

## Disclaimer

THE ABOVE WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

## Order Information

Replaceable and optional parts can be ordered directly from your LAUNCH authorized tool supplier. Your order should include the following information:

1. Quantity
2. Part number
3. Item description

## Customer Service

If you have any questions on the operation of the unit, please contact us:

Tel: 86-755-84528431/84528822

E-mail: X431@cnlaunch.com

If your unit requires repair service, return it to the manufacturer with a copy of the sales receipt and a note describing the problem. If the unit is determined to be in warranty, it will be repaired or replaced at no charge. If the unit is determined to be out of warranty, it will be repaired for a nominal service charge plus return freight. Send the unit pre-paid to:

Attn: Customer Service Department  
LAUNCH TECH. CO., LTD.  
Launch Industrial Park,  
North of Wuhe Avenue,  
Banxuegang, Bantian,  
Longgang, Shenzhen, Guangdong  
P.R.China, 518112