

# PC Software Basic Manual

## 1. Before Use

### 1.1. About Price

The decimal place of the commodity price is handled by the device itself, so please do not enter the decimal point when editing the price on the PC software. For example, the price is set to 1200, and the allowed decimal is set to 2 in the device, after being sent to the device, the commodity price on the device is 12.00.

### 1.2. USB Connection

#### Installing the USB drive

If you use a USB connection, you need to install the USB driver first. Run the driver program and install the driver according to the steps of the installation wizard.

Note:

If the system is Windows 7 or Windows 8, you need:

Go to Your installation directory. Example, C:\Program Files (x86)\STMicroelectronics\Software\Virtual comport driver

Go to Your OS version directory ([Win7] or [Win8])

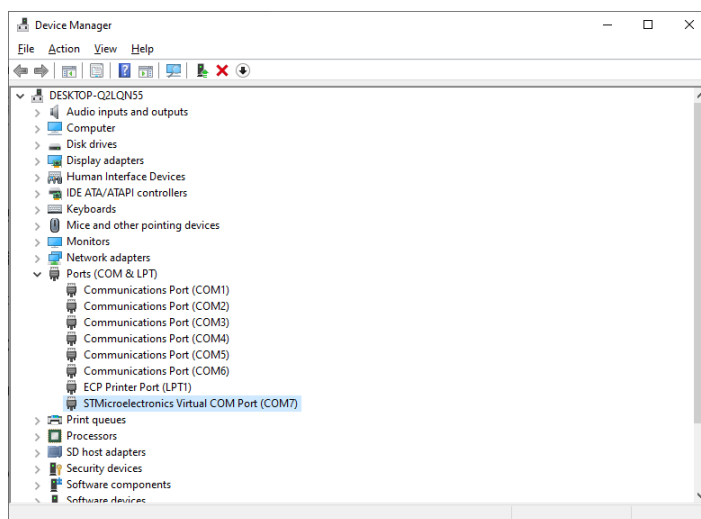
+ Then :

- Double click on dpinst\_x86.exe if you are running a 32-bits OS version
- Double click on dpinst\_amd64.exe if you are running a 64-bits OS version

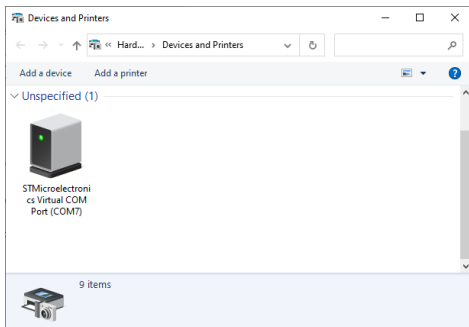
#### View the device port

After the driver is successfully installed, connect the device to view the device port.

a) View it in “Device Manager”



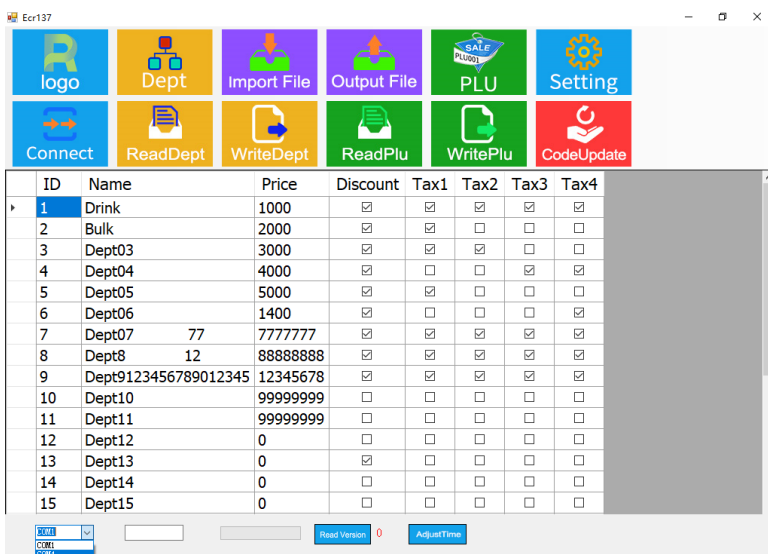
b) View it in “Devices and printers”



## 2. Connect

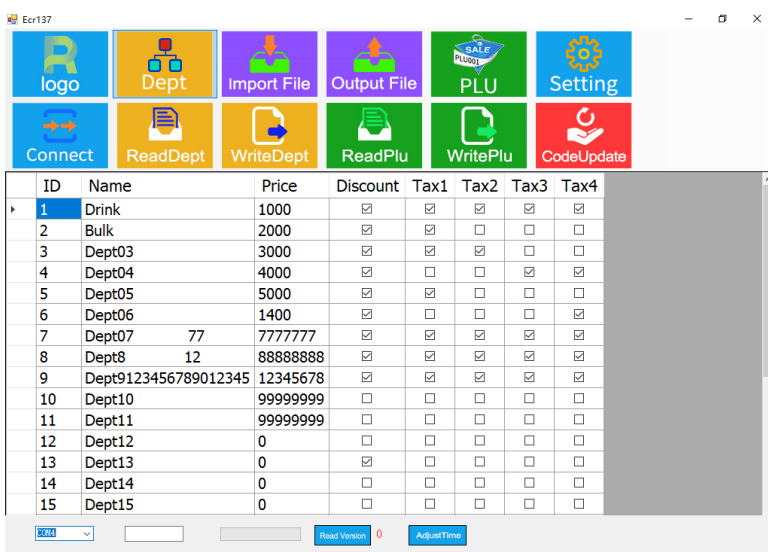
Run the software, click the drop-down box at the bottom, select the port in the port list, and click “Connect”.

Note: If the device port is not found in the port list, you can click "Connect" and then select the port to connect.



## 3. Department

Click "Dept" to display the department data, then you can edit, import, export, read and send the department data.



## Edit

Click to select the content to edit.

Note: After editing, you need to move the focus to another line before proceeding with other operations; otherwise the last edited Department will not take effect.

## Export department data

Click "Output File" to export the department data.

## Import department data

Click "Import File" and select the edited department file to import.

## Read departmental data from the device

Click "ReadDept" to read the department data from the device; In the process of reading data, the device will display the online prompt "Online Status: read".

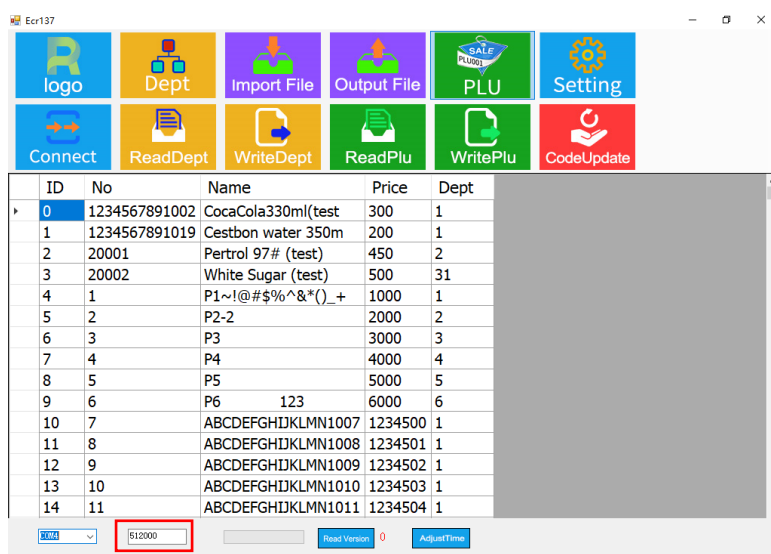
Note: After reading the department data, the <dept.bin> file will be automatically generated in the directory where the software is located to save the read department data.

## Sending department data to the device

Click "SendDept" to send department data to the device; In the process of sending data, the device will display the online prompt "Online Status: write".

## 4. PLU

Click "PLU" to display the PLU data, then you can edit, import, export, read and send the PLU data.



The screenshot shows the Ecr137 software interface. At the top, there is a toolbar with buttons for logo, Dept, Import File, Output File, PLU, Setting, Connect, ReadDept, WriteDept, ReadPlu, WritePlu, and CodeUpdate. Below the toolbar is a table displaying PLU data. The table has columns for ID, No, Name, Price, and Dept. The data is as follows:

| ID | No            | Name               | Price   | Dept |
|----|---------------|--------------------|---------|------|
| 0  | 1234567891002 | CocaCola330ml(test | 300     | 1    |
| 1  | 1234567891019 | Cestbon water 350m | 200     | 1    |
| 2  | 20001         | Pertrol 97# (test) | 450     | 2    |
| 3  | 20002         | White Sugar (test) | 500     | 31   |
| 4  | 1             | P1~!@#%&*()_+      | 1000    | 1    |
| 5  | 2             | P2-2               | 2000    | 2    |
| 6  | 3             | P3                 | 3000    | 3    |
| 7  | 4             | P4                 | 4000    | 4    |
| 8  | 5             | P5                 | 5000    | 5    |
| 9  | 6             | P6 123             | 6000    | 6    |
| 10 | 7             | ABCDEFGHJKLMN1007  | 1234500 | 1    |
| 11 | 8             | ABCDEFGHJKLMN1008  | 1234501 | 1    |
| 12 | 9             | ABCDEFGHJKLMN1009  | 1234502 | 1    |
| 13 | 10            | ABCDEFGHJKLMN1010  | 1234503 | 1    |
| 14 | 11            | ABCDEFGHJKLMN1011  | 1234504 | 1    |

At the bottom of the interface, there is a search bar with the text "512000" and buttons for "Read Version" and "AdjustTime".

## Edit

Click to select the content to edit.

Note: After editing, you need to move the focus to another line before proceeding with other operations; otherwise the last edited PLU will not take effect.

## Export PLU data

Click "Output File" to export the PLU data.

## Import PLU data

Click "Import File" and select the edited PLU file to import.

## Read PLU data from the device

Click "ReadPlu" to read the PLU data from the device. When the data displayed on the bottom reaches 512000 (as shown in the above figure), the reading is completed; during the reading process, the device will display the online

prompt "Online Status: Read" with regular beeps.

Note: After reading the PLU data, the <plu.bin> file will be automatically generated in the directory where the software is located to save the read PLU data.

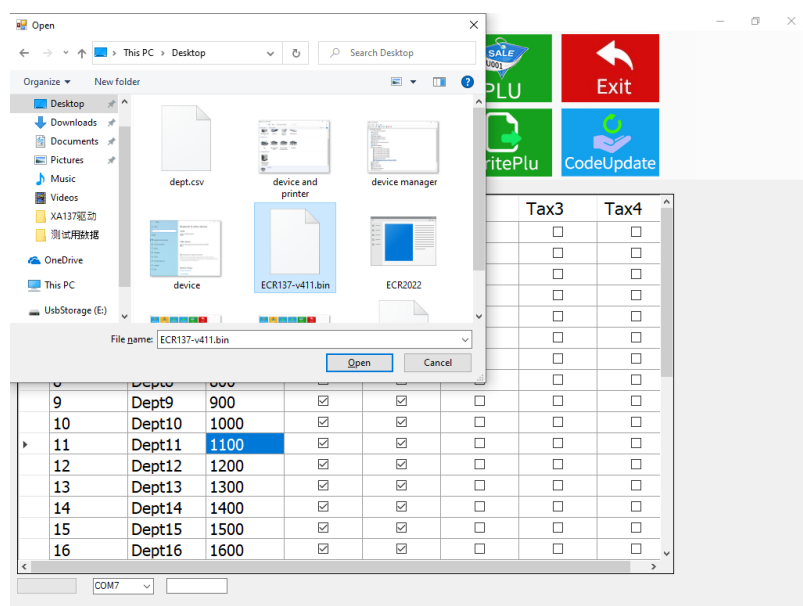
### Send PLU data to the device

Click "SendPlu" to send PLU data to the device. During sending, the device will display the online prompt "Online Status: Write" with regular beeps.

## 5. Upgrade Device Firmware

Click "CodeUpdate" and select the firmware file to upgrade the firmware. During the firmware upgrade, the device will prompt "Upgrading Do Not Power Down! Buzzer long call upgrade completed" with a short and regular beep. When the buzzer is long rings, the firmware upgrade is completed, and then restarted the device.

Note: No other data exchange operations (read/ send data, etc.) can be performed before updating the firmware. If you want to upgrade the firmware, the device and the PC software need to be restarted before upgrading the device firmware.



## 6. Graphic Logo

Click "Logo" and select the graphic logo file to send it to the device. During sending, the device will display the online prompt "Online Status: write".

Note: The Graphic logo must be a monochrome bitmap in bmp format with a size of 384x200 (px).

## 7. Setting Information

Click "Setting" to set print information such as receipt header and footer, tax rate, and other information, and read device firmware versions.

The screenshot shows the Ecr137 software interface. At the top, there is a menu bar with icons for logo, Dept, Import File, Output File, PLU, Setting, Connect, ReadDept, WriteDept, ReadPlu, WritePlu, and CodeUpdate. Below the menu bar, there are three main sections: Receipt Head, Receipt Tail, and User's Name addr. Each section has a table with 9 rows and 3 columns (Frt, 2H, Mid). The Receipt Head section has a 'Receipt Head Line 1' field. The Receipt Tail section has a 'Thank You!' field. The User's Name addr section has a 'MachineNo' field (123456) and a 'PrtDensity' field (3). There are also checkboxes for 'Print Rcp', 'Beep On', 'Print Logo', 'BackLight', 'NoPaperDtc', and 'NoPswLog'. Tax rates are set for Tax1 (1000%), Tax2 (1200%), Tax3 (1300%), and Tax4 (1400%). At the bottom, there are buttons for 'Read Version' (4.31B) and 'AdjustTime'. On the right side, there are 'Download' and 'Upload' buttons, and a 'Send to ECR' button.

### Receipt Head/Receipt Tail

The receipt head/tail information can be set to a maximum of 9 lines, with a maximum of 32 characters per line. The printing effect of each line of information can be set: Print (Prt), Double Height (2H), and Center (Mid).

### User's Name addr

User name&address information can be set up to 6 lines, with a maximum of 32 characters per line.

### Tax1-Tax4

Set tax1-tax4 rates.

Note: Please do not enter a decimal point. When the setting value is 1200, the effective tax rate is 12.00%.

### Other Settings

**Print Rcp:** Whether to print a small ticket.

**Print Logo:** Whether to print the logo icon.

**NoPaperDtc:** Whether to turn off paper shortage detection.

**Beep On:** Whether to turn on the button sound.

**BackLight:** Whether the display screen has been turned on for a long time.

**NoPswLog:** Whether to disable the permission system.

## Read/Send Setting Information



Read the setting information from the device. During the reading process, the device will display an online prompt "Online Status: read".

Note: After reading the setting information, a <set.bin> file will be automatically generated in the directory where the software is located to save the read setting information.



Send the setting information to the device. During the sending process, the device will display an online prompt "Online Status: write".

**Note: You must first read the setting information, edit it, and then send it to the device, so that only the settings sent by the software to the device can be modified, otherwise it will affect other settings.**

**After sending the information to the device, the device must be turn off and restarted.**

## 8. Read Version

Click "Read Version" to read the device firmware version, which will be displayed on the right.

## 9. Adjust Time

Click "Adjust Time" to adjust the device time to the current PC time.

## 10. Read Files in SD Card

Click "Import File", select the SD card file to read, import the corresponding SD file, and then click "Dept", "PLU", and "Setting" to view the corresponding data in the SD card. Including:

|                |                                                               |
|----------------|---------------------------------------------------------------|
| ECR137_ALL.bin | Import and view Dept data, PLU data, and Setting information. |
| ECR137_PM.bin  | Only import and view the Setting information.                 |
| ECR137_EJ.bin  | Only import and view EJ data.                                 |