

CipherLab 8000 Quick Start Guide

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1. Introduction

This README file is to help you using the CipherLab 8000 Data Terminal and its Application Generator.

1.1 What's the CipherLab 8000 Data Terminal?

Please read through the introduction of the CipherLab 8000 User's Guide.

1.2 What's the Application Generator?

Please read through the preface of the Application Generator User's Guide.

1.3 Instructions for new users of the Terminal

If you are not familiar with the keys of CipherLab terminal products, you should first read the CipherLab 8000 User's Guide session 4.1 – Keyboard Operations. Then take a look on the Getting Started inside Application Generator User's Guide to understand the functions of the main menu.

2. Installing the Application Generator

This chapter is useful only if you still haven't installed the Application Generator. Skip it if you have already done so. Follow step 2.1 to start the setup program.

2.1 Insert the CD-ROM into your drive. The auto-run capability of Windows will start the Application Generator setup program. If it does not, select the Run... option of the taskbar Start Menu and type:

D:\setup.exe

replacing D: with your CD-ROM drive.

3. Use of Manuals

These are the manuals provided inside the CD-ROM:

3.1 CipherLab 8000 User's Guide – providing the features, specifications, operations and more about CipherLab 8000 Terminal.

3.2 Application Generator User's Guide – describing the usage of the Application Generator and how to make your customized application using the Generator.

3.3 USB Driver Installation Guide – guide for installation USB driver

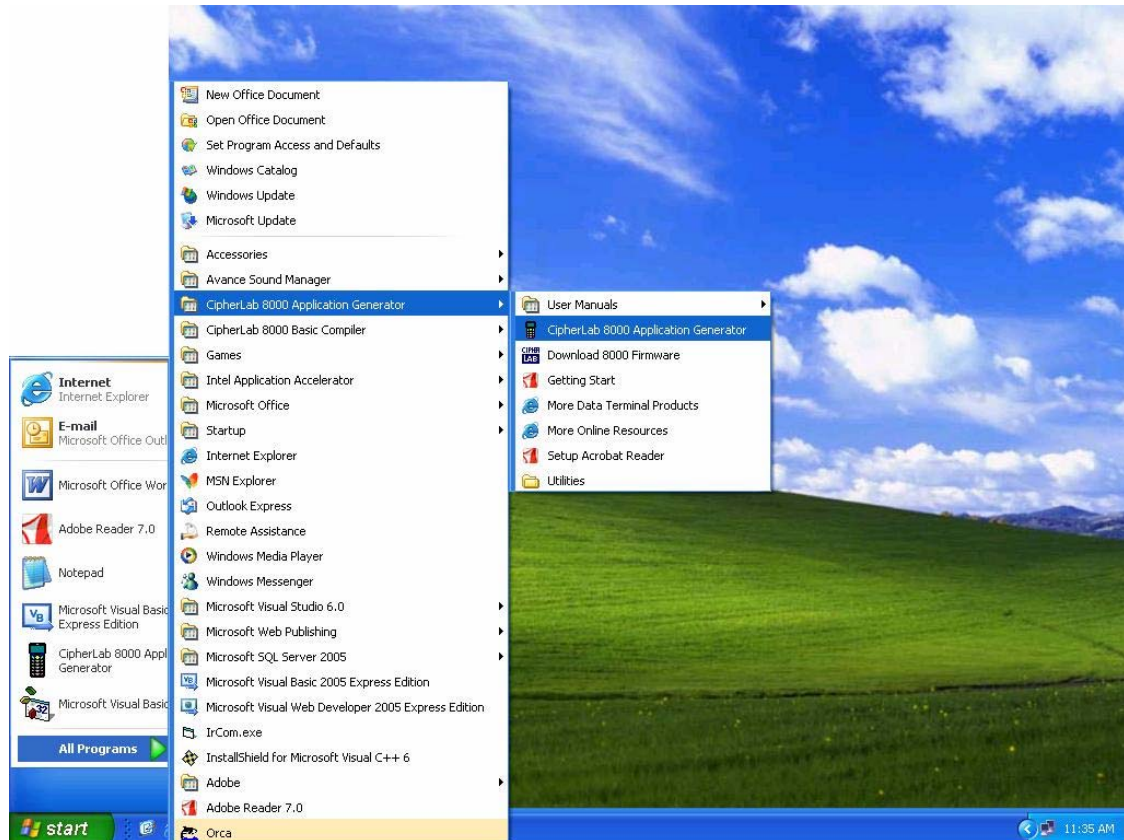
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4. Start using Application Generator

4.1 Open a program

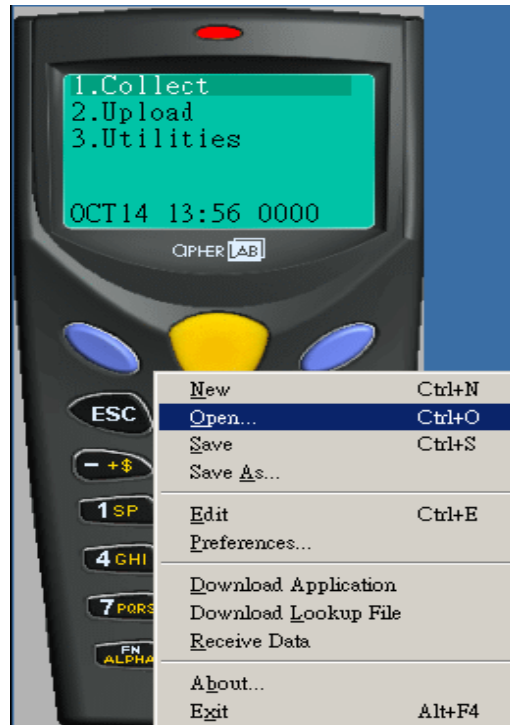
4.1.1 On PC side

4.1.1.1 Open "Start->Programs->CipherLab 8000 Application Generator->CipherLab 8000 Application Generator"

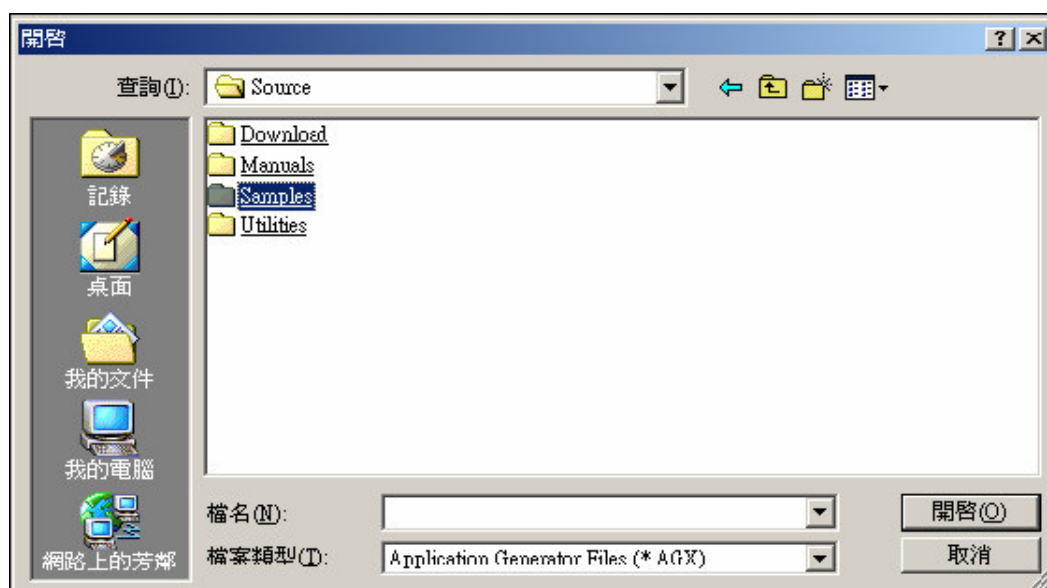


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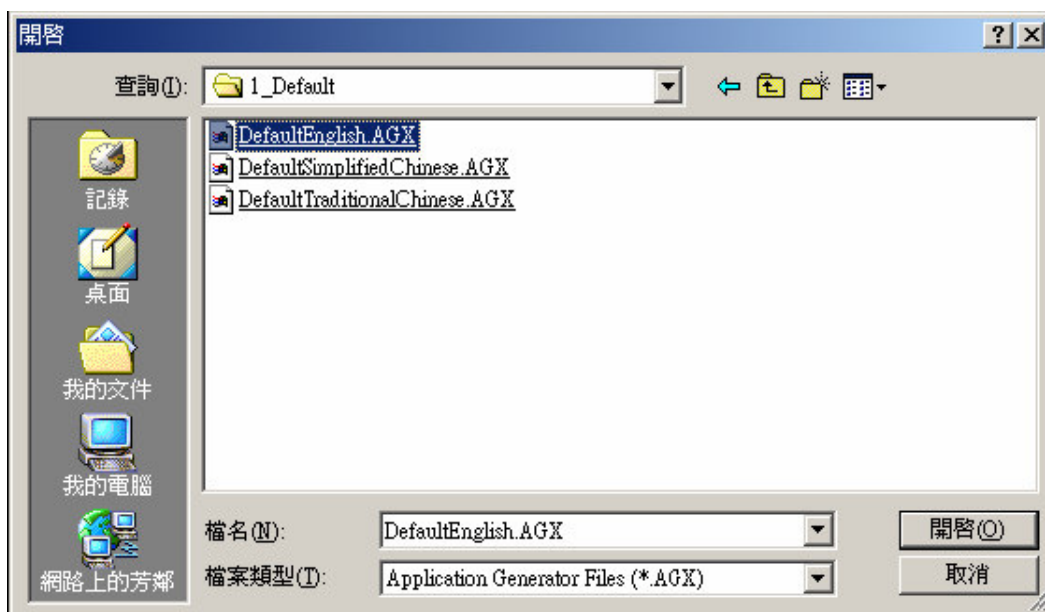
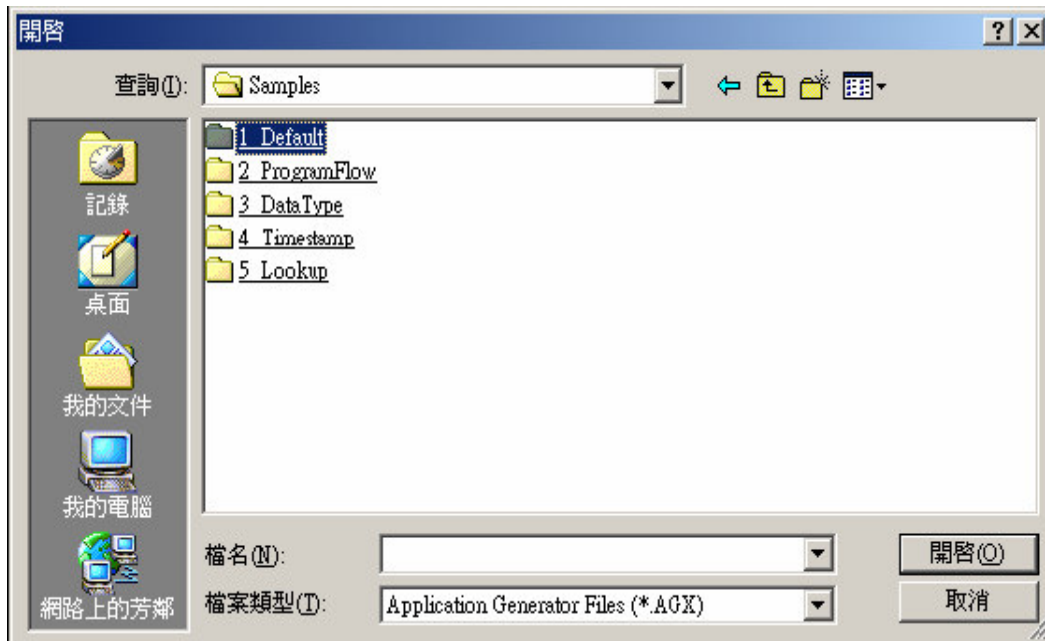
4.1.1.2 Right-click on the window to load the menu and click "Open..."



4.1.1.3 Open the Application Generator File (*.AGX)
This demonstration uses "DefaultEnglish.AGX" under
"C:\Program Files\CipherLab 8000 Application
Generator\Samples\1_Default"



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4.1.1.4 Press OK

Application Generator - [C:\CipherLab 8000 Application Generator\Source\Samples\1_Default\DefaultEnglish.AGX]

Form | Menu | Lookup | Barcode | Settings | Startup

Name : form 1 Esc : main Lookup : nil Time Stamp

Font : large Next : form 1 Record : save Branch

Line	Data type	Prompt	Input source	Min length	Max length	Lookup	Properties
#1	prompt	Item:	both	0	50	nil	more...
#2	text		both	1	50	nil	more...
#3	extension		both	0	38	nil	more...
#4	integer	Qty:	both	1	5	nil	more...
#5	nil		both	0	50	nil	more...
#6	nil		both	0	50	nil	more...
#7	nil		both	0	50	nil	more...
#8	nil		both	0	50	nil	more...

確定 取消

4.2 Download an application

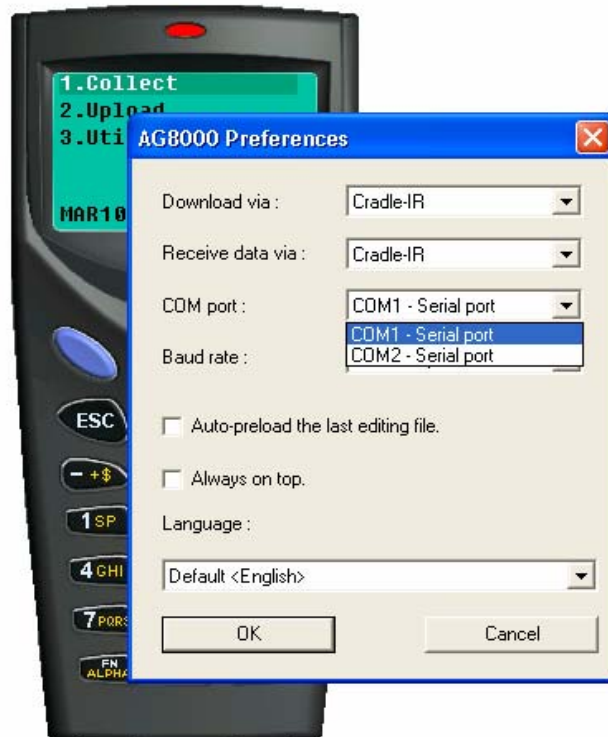
4.2.1 On PC side:

4.2.1.1 Right click on the Application Generator window and choose "Preferences..."

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4.2.1.2 Select the correct COM port on your PC in order to download application.



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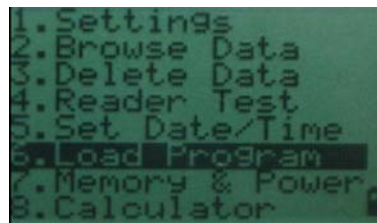
4.2.2 On Terminal side:

4.2.2.1 Turn on the Terminal

4.2.2.2 Press [3] to enter the menu of "3.Utilities"

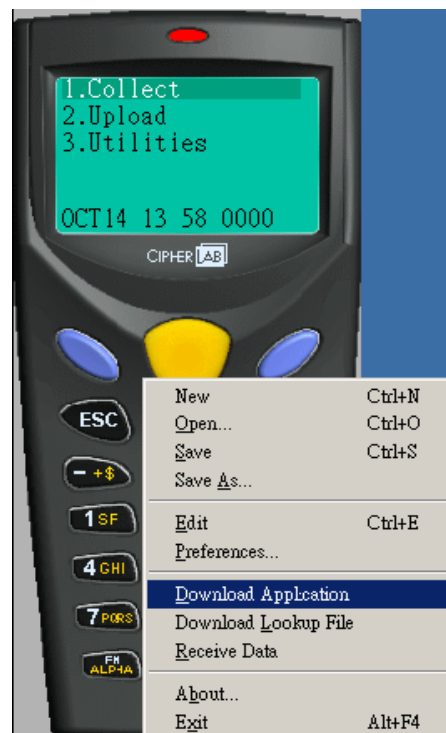


4.2.2.3 Press [6] to load program



4.2.3 On PC side:

4.2.3.1 Right-click and choose "Download Application".



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4.2.3.2 Press OK on the "Download" dialog while the download is completed.



4.2.4 On Terminal side:

4.2.4.1 The Terminal will automatically reload with the new application

4.3 Input Data

The user needs to download an application (Part 4.2) before inputting data.

4.3.1 On Terminal side:

4.3.1.1 Turn on the Terminal

4.3.1.2 Press [1] to enter the menu of "1. Collect"

Note: If there is no downloaded application in the terminal, it will show an error message "No executable program" when choosing "Collect" function on the menu.



4.3.1.3 Input Item No. and Quantity No. into the terminal

4.3.1.3.1 Item No.

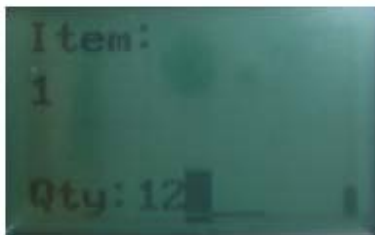
Type in Item No. and press blue button

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4.3.1.3.2 Quantity No.

Type in Quantity No. and press blue button



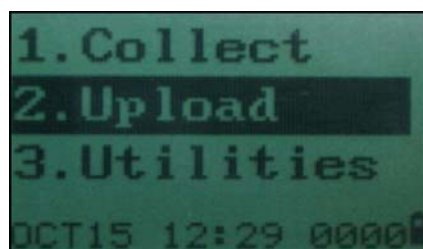
4.4 Create/Edit an application

To create/edit an application, please refer to Application Generator User's Guide chapter 3 thereafter. You are suggested to learn the properties of the application with samples as a supplementary.

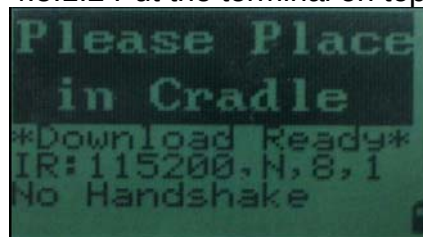
4.5 Receive data from the terminal (Upload data to PC)

4.5.1 On Terminal side:

4.5.1.1 Press [2] to select "2.Upload"



4.5.1.2 Put the terminal on top of the cradle



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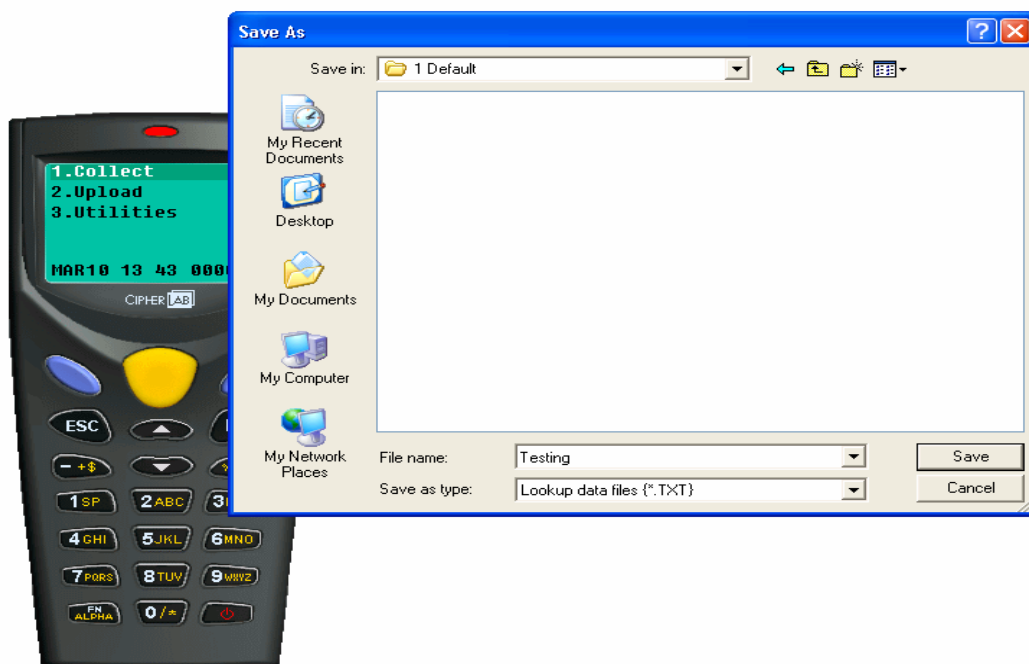
4.5.2 On PC side:

4.5.2.1 Right Click the Application Generator to load the main menu

4.5.2.2 Choose “Receive Data”

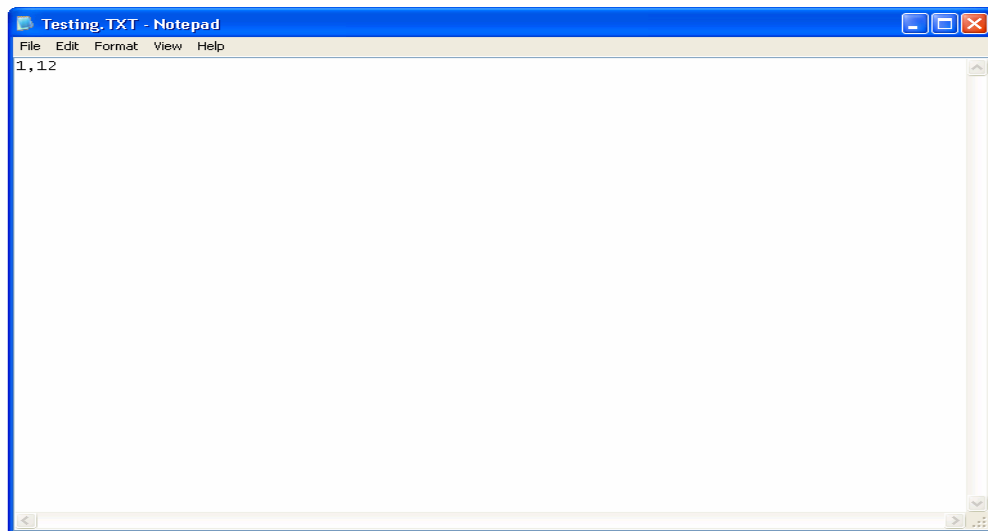


4.5.2.3 Save the data as Testing.txt on the PC



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4.5.2.4 Press “Yes” to open the downloaded file to see the result of the file transferred



*** **Remark:** There are some sample Applications and Readme file under folder “C:\Program Files\CipherLab 8000 Application Generator\Samples”

5. Display Chinese Characters in Application Generator Runtime

Warning: This process involves operations in the Kernel Menu. Do this ONLY if you needed to change the language platform or updating the program is necessary.

Pay attention carefully on each step before you are doing so. For using Traditional or Simplified Chinese as language platform, please read this manual in [English](#) or in [Chinese](#).

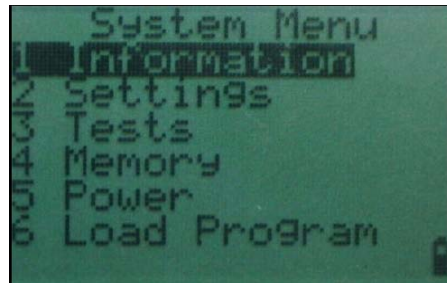
5.1 Erase flash memory in the Terminal

5.1.1 On Terminal side:

5.1.1.1 Power off the Terminal

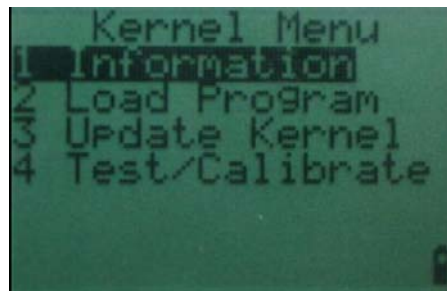
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5.1.1.2 Press and hold [7] & [9] and then turn on the Terminal

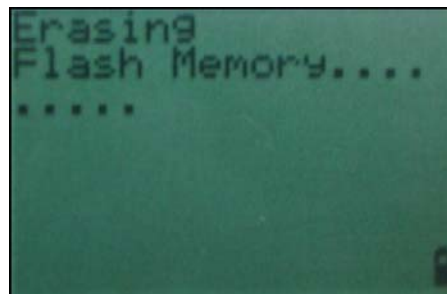


5.1.1.3 Power off the Terminal

5.1.1.4 Press and hold [1] & [7] and then turn on the Terminal

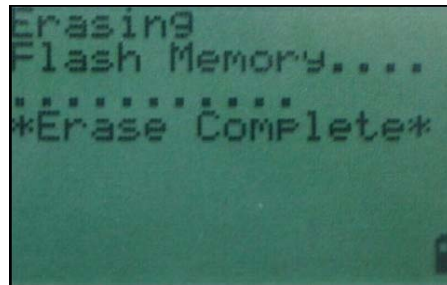


5.1.1.5 Press [FN] & [9] to erase flash memory



5.1.1.6 While *Erase Complete* is displayed, turn off the Terminal

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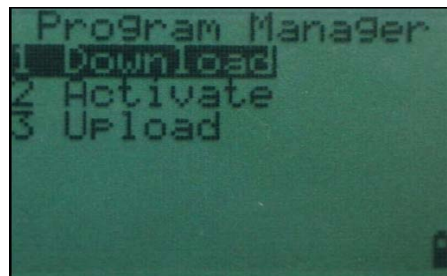


5.2 Download Application Generator Runtime to the Terminal

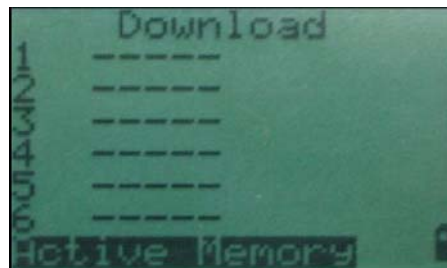
5.2.1 On Terminal side:

5.2.1.1 Turn on the Terminal

5.2.1.2 Select "1 Download" and press the blue button



5.2.1.3 Select "Active Memory" and press the blue button

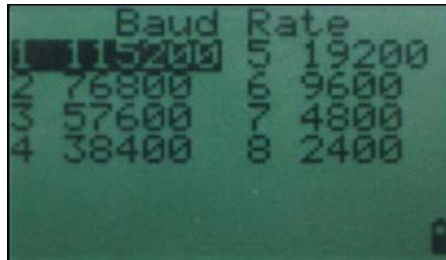


5.2.1.4 Select "1 Cradle-IR" and press the blue button

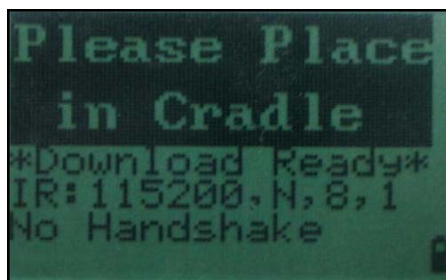


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5.2.1.5 Select "1 115200" and press the blue button



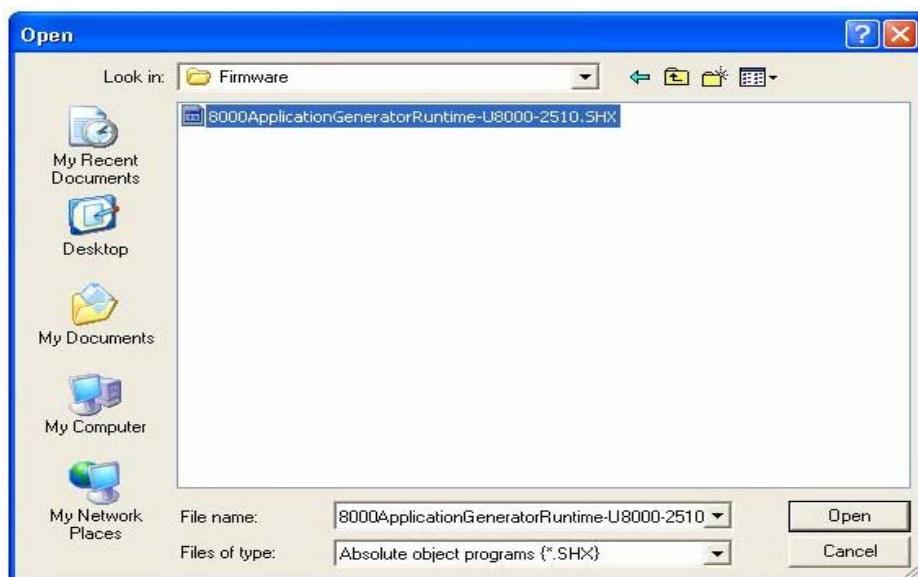
5.2.1.6 Place the Terminal in the Cradle and the Terminal is now ready



5.2.2 On PC side:

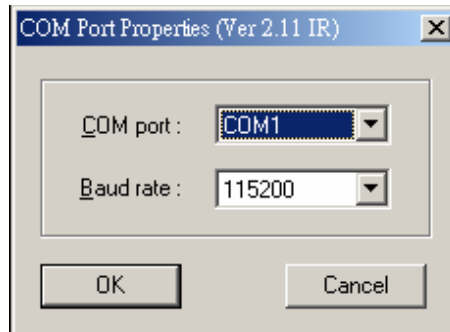
5.2.2.1 Open "Start->Programs->CipherLab 8000 Application Generator->Download 8000 Firmware".

5.2.2.2 Choose "8000ApplicationGeneratorRuntime-U8000-2510.SHX"



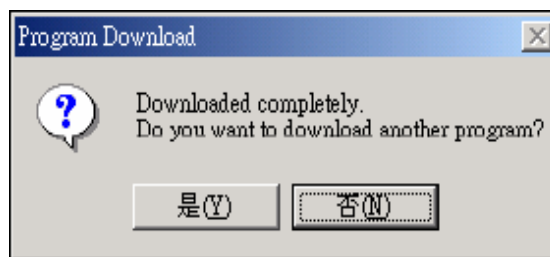
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5.2.2.3 HOLD on the "COM Port Properties (Ver 2.1 IR)" dialog until the Terminal is ready to download.



5.2.2.4 Press the OK button

5.2.2.5 The download process will then start. After a successful download, the computer will prompt: "Downloaded completely. Do you want to download another program? "

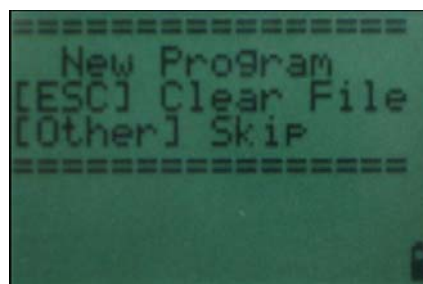


5.2.2.6 Press the "No" button on the PC

5.2.3 On Terminal side:

5.2.3.1 Turn off the Terminal and then turn it on again

5.2.3.2 Press [ESC] in the terminal



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5.2.3.3 Turn off the Terminal and the firmware has already reinstalled

5.3 Download Chinese Fonts (Traditional/Simplified)

5.3.1 On Terminal side:

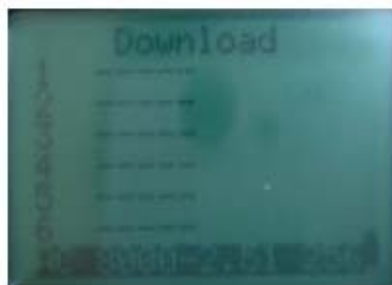
5.3.1.1 Power off the Terminal

5.3.1.2 Press [8] and power on 8000 terminal

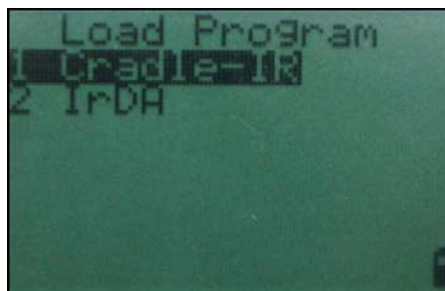
5.3.1.3 Select "1/ Download" and press the blue button



5.3.1.4 Select the "AC 8000-2.51 256" and press the blue button

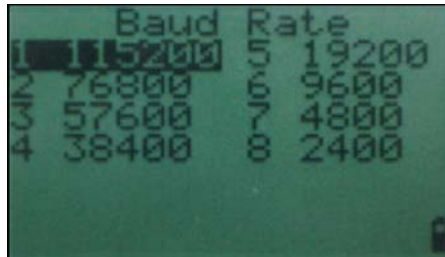


5.3.1.5 Select the "1/ Cradle-IR" and press the blue button



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5.3.1.6 Select the "1/ 115200" and press the blue button

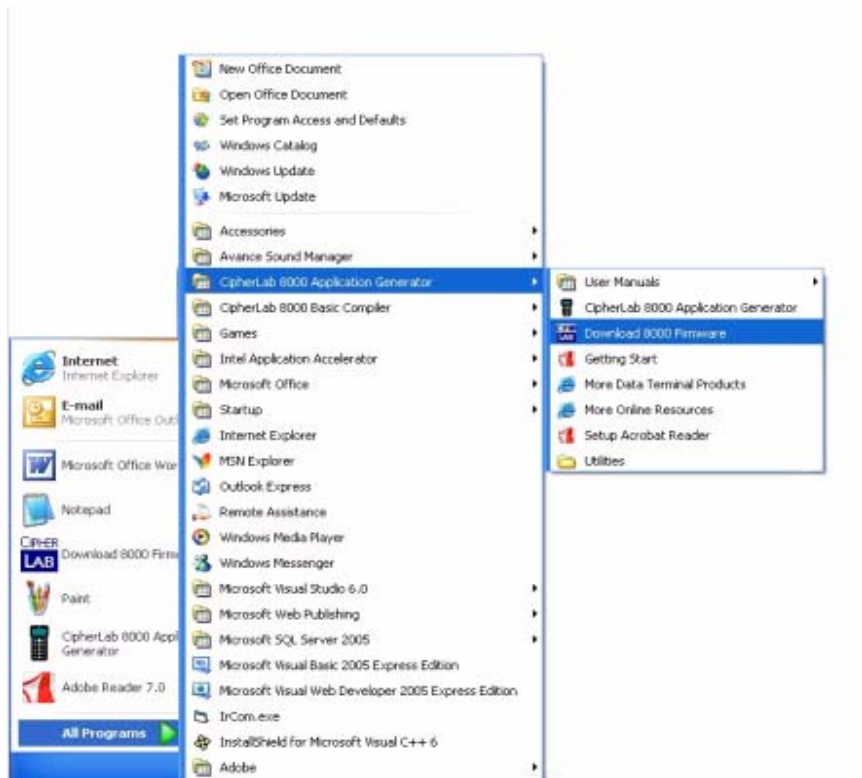


5.3.1.7 Please place the terminal in the Cradle



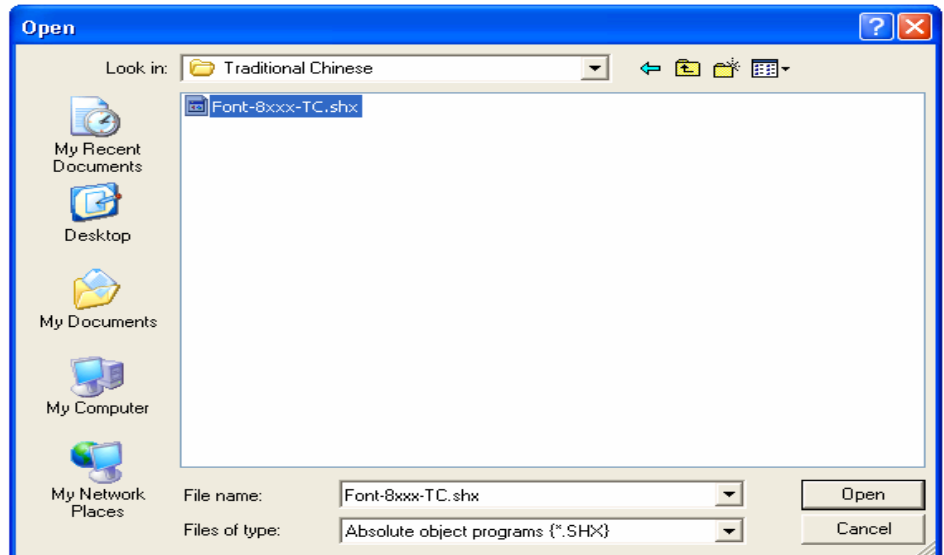
5.3.2 On PC side:

5.3.2.1 Select "Download 8000 firmware"

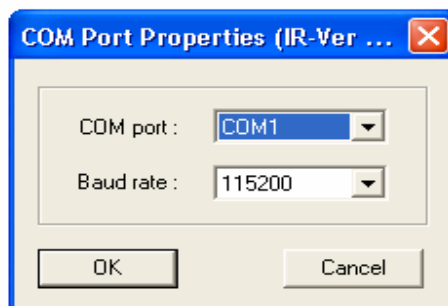


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5.3.2.2 Open Font-8xxx-TC.shx file
(C:/Program files/CipherLab 8000 Application Generator/
Download/Fonts/Traditional Chinese/Font-8xxx-TC.shx)

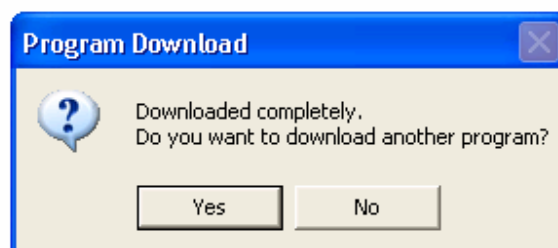


5.3.2.3 Select the COM port



5.3.2.4 Select OK, then it will start downloading.

5.3.2.5 The computer will prompt "Downloaded completely. Do you want to download another program?"



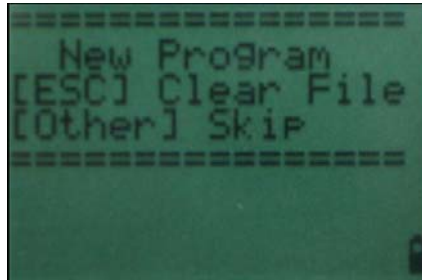
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5.3.2.6 Select "No"

5.3.3 On Terminal side:

5.3.3.1 Power off the terminal and then power on

5.3.3.2 Press the "ESC" in the terminal

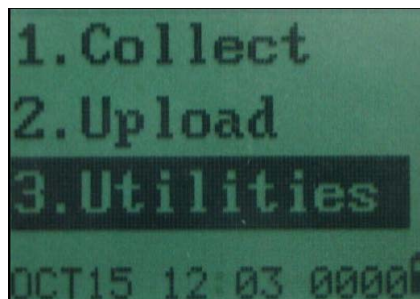


5.4 Download Default Chinese Application

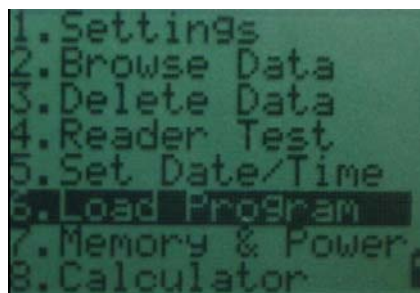
5.4.1.1 On Terminal side:

5.4.1.1.1 Turn on the Terminal

5.4.1.1.2 Press "3" or select "Utilities" (press blue button)



5.4.1.1.3 Press "6" or select "Load Program" (press blue button)



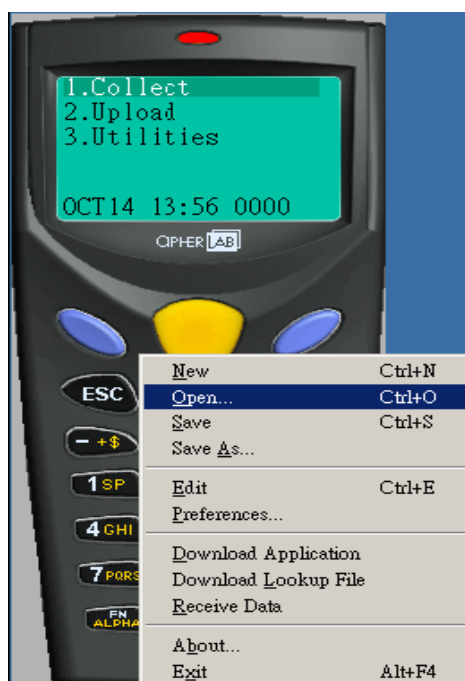
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5.4.1.1.4 Place the Terminal in the Cradle

5.4.1.2 On PC side:

5.4.1.2.1 Open the CipherLab 8000 Application Generator program

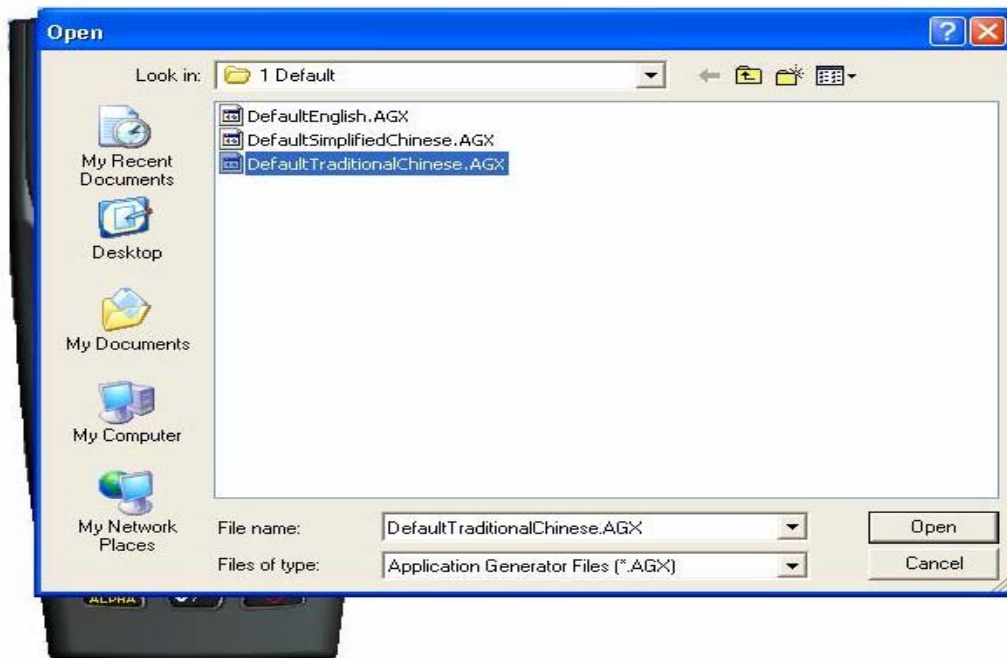
5.4.1.2.2 Right click the mouse on CipherLab 8000 Application Generator program and choose "Open"



5.4.1.2.3 Select your language

5.4.1.2.3.1 Traditional Chinese
Select C:/Program files/CipherLab 8000
Application Generator/Samples/1
Default/DefaultTraditionalChinese.AGX
and then press "Open"

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5.4.1.2.3.2 Simplified Chinese
Select C:/Program files/CipherLab 8000
Application Generator/Samples/1
Default/DefaultSimplifiedChinese.AGX
and then press “Open”

5.4.1.2.3.3 English
Select C:/Program files/CipherLab 8000
Application Generator/Samples/1
Default/DefaultEnglish.AGX and then
press “Open”

5.4.1.2.4 It then shows the menu template for users to
define the contents of the menu using the specified
language (Traditional/Simplified Chinese/English),
then press “OK”

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Line	Data type	Prompt	Input source	Min length	Max length	Variables	Properties
#1	prompt	Item:	both	0	50	nil	more...
#2	text		both	1	50	nil	more...
#3	extension		both	0	38	nil	more...
#4	integer	Qty:	both	1	5	nil	more...
#5	nil		both	0	50	nil	more...
#6	nil		both	0	50	nil	more...
#7	nil		both	0	50	nil	more...
#8	nil		both	0	50	nil	more...

5.4.1.2.5 Right click the mouse on CipherLab 8000 Application Generator program and choose "Download Application"

5.4.1.2.6 The terminal starts downloading the application

5.4.1.2.7 The computer will prompt "Downloaded completely!" after finish

5.4.1.2.8 Press "OK"



Note: To change to another language, please re-do the step of 5.3 from the beginning.