

CipherLab General Instructions



MSS Software 10394 Democracy Lane Fairfax, VA22030 Copyright © 8/14/2018 by MSS Software. All Rights Reserved.

Sales@mss-software.com Phone: 800-428-8643 Fax: 703-783-0319

Table of contents

| CipherLab 8XXX Reader Usage | 3 |
|--|---|
| Overview | 3 |
| Keyboard Operations | 3 |
| Data Transfer | 4 |
| Install Drivers | 4 |
| Setting up Data Read for CipherLab 8000 Only | 5 |
| Setting up Data Read for CipherLab 8200, 8400, and 8600 Only | 6 |
| How to Prepare and Load a Lookup File | 7 |

CipherLab 8XXX Reader Usage

Overview

All CipherLab 8XXX series Portable Data Terminals have similarities in the functions and program

features such as the keyboard. After you power them up you should see a menu similar to the one

below:

- 1. Collect
- 2. Upload Data
- 3. Utilities

Use the arrow keys to select the menu item required. Execute the function by pressing the Enter Key.

Keyboard Operations

The keypad of the scanners can have several different keyboard layouts but the functions are basically

the same for all. Below are the buttons and their function:

| Key | Description | | |
|--|---|--|--|
| SCAN | Press the yellow button to trigger the scanner to read a barcode. | | |
| ENTER | Normally the enter key is used for command execution or input. The Enter button on the 8200 is the blue – button on either side of the Scan button. | | |
| ESC | This key is used to stop or exit the current operation | | |
| BkSp | If this key is pressed down for longer than one second then a clear code is sent. | | |
| BLUE Toggle key for Alphabet Input. When this key is pressed once, the enkeyboard will change to upper case alpha keys. Pushing the key agai switch to lower case and pushing it again (3 rd time) will revert back to default. You will see a small icon on the screen to show what mode is a small icon on the screen to sh | | | |
| FN | On the 8000/8200 series it must be pressed with the numeric key at the same time in order to perform that function (FN + 1 =F1). It will also toggle various functions such as Upper Case, Lower Case and special symbols when click multiple times. On other readers such as the 8400/8600 the you just need to use the regular F1, F2, F3 keys. | | |
| ORANGE | The orange key on the 8400/8600 activates the orange symbols on the keyboard when pressed. Pressing the key more than once may cause it to activate or toggle other keyboard symbols and functions. | | |
| POWER | Pressing the power key causes the unit to turn on or off. | | |
| BACKUGHT | Pressing the backlight key will turn the backlight on or off. | | |
| CONTRAST | Some units allow you to adjust the contrast by holding down the FN key while pressing the up/down arrow keys. On other units, you have to hold down the backlight key while pressing the up and down arrows. | | |

Data Transfer

Install Drivers

To set up the drivers for the USB Dock or Cables for the CipherLab 8XXX Barcode Readers, please follow

the steps outlined below:

- 1. Install "CP210xVCP Installer_x64.exe" (use x86 if you have a 32 bit computer). "CP210x VCP and accept all defaults.
- After the install, plug in the CPT-8000 USB dock or the RS232 cable into your PC and go to your device manager to determine the com port assigned. To get to Device Manger on your PC, click on Start|Run and type the following: devmgmt.msc (then click Ok). The Device Manager window will open. Click on the + sign next to Ports (COM & LPT).
- 3. Note which Com Port is next to CP210x USB to UART Bridge Controller (for example Com21).
- 4. With this information you can now start up the communications program—"Data_Read.exe" and change the COM Port settings. You will now be able to transfer data from the barcode reader.



Setting up Data Read for CipherLab 8000 Only

| □ Display data via keyboard emulation Inter-character delay : 2 (0 ~ 255 ms) Image: Save mode : Append Save mode : Append Image: New the received data. COM port : 20 Image: Add Line-Feed character to each record. Keep online for receiving data automative. Polling time : 2 (1 ~ 999 sec) Image: Add Carriage return to each record. Convert Text file to Excel format Ice Name rule ("txt) Combine all upload and delete Data and Lookup files From Data file1 ▼ To Data file10 ▼ Prefix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) Convert Poling time : Delete all Data files Image: Combine all upload files into single file(".txt) Delete all Lookup files Polions File name : Serx\PANDA-\NDesktop\Nullitice\Nmydata.TXI Prowsel | roperties | | Communication Parameters |
|--|--------------------------------|-------------------------------------|---|
| Inter-character delay: 2 : (0 ~ 255 ms) Save data to file Save mode : Append Vew the received data. Add Line-Feed character to each record. Add Carriage return to each record. Add Carriage return to each record. Convert Text file to Excel format I e Name rule (*txt) Generated Automatically Prefix: Suffix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) Suffix: Convent Text file to the first record Convent Text file to the first record Convent Text file to Excel format Prefix: Suffix: Convent Text file to Excel format Prefix: Suffix: Convent Text file to Excel format Prefix: Suffix: Convent Text file to Excel format Prefix: Convent Text file to Excel format P | Display data via key | board emulation | Interface : Cradle-IR |
| Image: Save data to file 1 1 20 2 255) Baud rate : 115200 bps 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 1 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data to file Image: Save data to file 3 Image: Save data file Image: Save data file Image: Save data file 1mage: Save data file Image: Save data file Image: Save data file Image: Save data file 1mage: Save data file 1mage: Save data file Image: Save Sa | Inter-character delay | : 2 👘 (0~ 255 ms) | |
| Save mode : Append Vew the received data. Add Line-Feed character to each record. Add Caniage return to each record. Convert Text file to Excel format le Name rule ("txt) Generated Automatically Prefix: Suffix: (0 ~ 10 characters) Suffix: Convent Text file to Excel format Convert Text file to Excel format Baud rate : [115200 bps] Auto upload automatically Prefix: Suffix: Convert Text file to Excel format Convert file to Exce | Save data to file | 1 | COM port : 20 255) |
| ✓ Wew the received data. ✓ Add Line-Feed character to each record. ✓ Add Carriage return to each record. Convert Text file to Excel format le Name rule (*txt) ✓ Generated Automatically Prefix: 0° 10 characters) Suffix: 0° 10 characters) Suffix: 0° 10 characters) ✓ Generated according to the first record ✓ Customized File name : sers\PANDA-1\Desktop\Utilities\mydata TXI Browsei ✓ Always show this dialog box. Create a log file when mistakes occur during data transmission between COM and file. | Save mode : Appe | end - | Baud rate : 115200 bps |
| Add Line-Feed character to each record. Add Carriage return to each record. Convert Text file to Excel format le Name rule (* txt) Generated Automatically Prefix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) Generated according to the first record Costomized File name : Sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browsei | View the receive | d data. | Keep online for receiving data automa. My. |
| ✓ Add Carriage return to each record. Convert Text file to Excel format Ie Name rule (*.txt) C Generated Automatically Prefix: 0° 10 characters) Suffix: 0° 10 characters) Suffix: 0° 10 characters) C Generated according to the first record C Customized File name : sers \PANDA-1\Desktop\Utilities \myddata.TX1 Browsei C Prefix: sers \PANDA-1\Desktop\Utilities \myddata.TX1 Browsei | Add Line-Feed chara | acter to each record. | Polling time : 2 - (1 ~ 999 sec) |
| Convert Text file to Excel format Ie Name rule (*.txt) © Generated Automatically Prefix: 0 ~ 10 characters) Suffix: 0 ~ 10 characters) Suffix: 0 ~ 10 characters) Convert Text file to Excel format Prefix: 0 ~ 10 characters) Suffix: 0 ~ 10 characters) Containized File name : sers/PANDA-1/Desktop/Utilities/mydata.TXT Browsee Protores Containing of the mist dialog box. Create a log file when mistakes occur during data transmission between COM and file. | Add Carriage return t | to each record. | 4 |
| Image: Contract reacting to be backed number Image: Contract reacting to the first record Image: Contract react reacting to the first record Image: Contract reacting to the first record Image: Contract react reacting to the first record Image: Contract react reacting to the first record Image: Contract react react reacting to the first record Image: Contract react r | Convert Text file | to Evcel format | Auto upload and delete Data and Lookup files |
| le Name rule (*.txt) C Generated Automatically Prefix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) C Generated according to the first record C Customized File name : sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browset B | | | V Upload Data files |
| C Generated Automatically Prefix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) C Generated according to the first record C Customized File name : sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browsei Cptions Qptions Qptions Create a log file when mistakes occur during data transmission between COM and file. | le Name rule (*.txt) | | From Data file1 💌 To Data file10 💌 |
| Prefix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) Combine all upload files into single file(".txt) Combine all upload files Customized | C. Generated Automatic | ally | Upload Lookup files |
| Prefix: (0 ~ 10 characters) Suffix: (0 ~ 10 characters) C Generated according to the first record Customized | | Cony | From Lookup file1 _ To Lookup file3 _ |
| Suffix: (0 ~ 10 characters) Generated according to the first record Customized File name : sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browsei Options I Always show this dialog box. Create a log file when mistakes occur during data transmission between COM and file. | Prefix: | (0 ~ 10 characters) | Combine all upload files into single file(".txt) |
| Generated according to the first record Customized File name : sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browse Delete all Data files □ Delete all Lookup files Options ✓ Always show this dialog box. □ Create a log file when mistakes occur during data transmission between COM and file. | Suffix: | (0 ~ 10 characters) | |
| Customized File name : sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browse Delete all Lookup files Options ✓ Aways show this dialog box. Create a log file when mistakes occur during data transmission between COM and file. | C Generated according | a to the first record | Delete all Data files |
| (• Customized File name : sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browse ✓ ✓ Always show this dialog box. □ Create a log file when mistakes occur during data transmission between COM and file. | | | Delete all Lookup files |
| File name : sers\PANDA-1\Desktop\Utilities\mydata.TX1 Browse Image: Aways show this dialog box. Image: Create a log file when mistakes occur during data transmission between COM and file. Create a log file when mistakes occur during data transmission between COM and file. | Customized | | Options |
| Create a log file when mistakes occur during data transmission between COM and file. | File name : sers\PAN | DA-1\Desktop\Utilities\mydata.TX1 B | owse Always show this dialog box |
| Create a log file when mistakes occur during data transmission between COM and file. | | | , , , , , , , , , , , , , , , , , , , |
| | | | Create a log file when mistakes occur during data transmission between COM and file. |
| | | | |

- 1. Set Save Mode to Append. (Don t want to Overwrite your data)
- 2. Select where to save your data to (you can choose the File Name by choosing "Customized" or let Data Read do this for you by choosing "Generated Automatically".
- 3. Interface for the CipherLab 8000 is always Cradle-IR.
- 4. Com Port is determined by the Computer s "Device Manager" after you install the Silicon Labs Driver.
- 5. Click Start once you are ready to transfer your data from the reader. (You must also push 2. Upload on the Reader to transfer).

Setting up Data Read for CipherLab 8200, 8400, and 8600 Only

| roperties | | Communication Parameters |
|--|----------------------------------|--|
| Display data via keyboa Inter-character delay : | rd emulation 2 (0 ~ 255 ms) 1 | Interface : RS232/IrDA/USB VCOM |
| Save data to file Save mode : Append | | Baud rate : 115200 bps |
| View the received da | ata. | ☐ Keep online for receiving data automatic k |
| Add Line-Feed characte | r to each record. | Polling time : 2 • (1 ~ 999 sec) |
| Add Carriage return to e | ach record. | 4 |
| Convert Text file to E | Excel format | Auto upload and delete Data and Lookup files |
| le Name rule (*.bt) | | From Data file1 v To Data file10 v |
| C Generated Automatically | 1 | From Lookup file1 To Lookup file3 |
| Prefix: | (0 ~ 10 characters) | Combine all upload files into single file(".txt) |
| <u>S</u> uffix: | (0 ~ 10 characters) | Delete all Data files |
| C Generated according to | the first record | Delete al Lookup files |
| Customized | | Options |
| File name : sers\PANDA- | 1\Desktop\Utilities\mydata.TXT B | owse I Always show this dialog box. □ Create a log file when mistakes occur during data transmission between COM and file. |
| | ~ | |

- 1. Set Save Mode to Append. (Don t want to Overwrite your data)
- 2. Select where to save your data to (you can choose the File Name by choosing "Customized" or let Data Read do this for you by choosing "Generated Automatically".
- 3. Interface for the CipherLab 8200, 8400, and 8600 is always RS232/IrDA/USB/VCOM
- 4. Com Port is determined by the Computer s "Device Manager" after you install the Silicon Labs Driver.
- 5. Click Start once you are ready to transfer your data from the reader. (You must also push 2. Upload on the Reader to transfer).

How to Prepare and Load a Lookup File

These instructions will show you the steps to preparing your lookup file for download to a Cipher Scanner. Please follow these steps carefully.

Step 1 - Start with an Excel Spreadsheet

First make sure your spreadsheet has only the columns of data that you need. For example, in the list below there is UPC, Item, Description, PK and Price. If your lookup list is restricted to 3 or 4 fields then delete any other fields except these.

| | А | В | C | D | E |
|----|--------------|--------------|--------------------------------|----|------|
| 1 | UPC | ITEM | DESC | РК | LIST |
| 2 | 072838300577 | BBGP2BLKM | BETTERGRIP BLACK MED. 2-PK | | 1.80 |
| 3 | 072838300560 | BBGP2BLUM | BETTERGRIP BALL PT BLU MED 2PK | | 1.80 |
| 4 | 072838300584 | BBGP3001F6PK | BBGP3001F6PK BETTERGRP 3PK | | 2.70 |
| 5 | 072838300706 | BBGP6BLKF6PK | BBGP6BLKF6PK BETTERGRIP 6PK | | 5.40 |
| 6 | 072838300713 | BBGP6BLUF6PK | BBGP6BLUF6PK BETTERGRIP 6PK | | 5.40 |
| 7 | 072838300744 | BBGP6BLUM6PK | BBGP6BLUM6PK BETTERGRIP 6PK | | 5.40 |
| 8 | 072838300720 | BBGP6REDF6PK | BBGP6REDF6PK BETTERGRIP 6PK | | 5.40 |
| 9 | 072838300751 | BBGP6REDM6PK | BBGP6REDM6PK BETTERGRIP 6PK | | 5.40 |
| 10 | 072838350107 | BBPS-BLKF6PK | BETTER BALL POINT BLK FINE 1PK | | 1.46 |
| 11 | 072838357106 | BBPS-BLKM6PK | BETTER BALL POINT BLACK M 1PK | | 1.46 |
| 12 | 072838360106 | BBPS-BLUF6PK | BETTER BALL POINT BLUE F 1PK | | 1.46 |
| 13 | 072838367105 | BBPS-BLUM6PK | BETTER BALL POINT BLUE M 1PK | | 1.46 |

Step 2 - You can highlight the first header row and delete. Also, make sure there are no spaces between rows. It is a good idea not to have any commas or quote marks in the description or any of the other fields.

Step 3 - Save file as tab-delimited txt file within Microsoft Excel.

| File <u>n</u> ame: | My Lookup List | <u>S</u> ave |
|-----------------------|------------------------------|--------------|
| Save as <u>t</u> ype: | Text (Tab delimited) (*.txt) | Cancel |

Step 4 - The file will look something like this if you were to open the file within Notepad:

| I | 📕 My Lookup List.txt - Notepad | | | | |
|----------|--------------------------------|--------|--------------|--------------------------------|------|
| File | Edit | Format | View Help | | |
| μρο | | ITEM | DESC PK | LIST | |
| 072 | 8383 | 00577 | BBGP2BLKM | BETTERGRIP BLACK MED. 2-PK | 1.80 |
| 072 | 8383 | 00560 | BBGP2BLUM | BETTERGRIP BALL PT BLU MED 2PK | 1.80 |
| 072 | 8383 | 00584 | BBGP3001F6PK | BBGP3001F6PK BETTERGRP 3PK | 2.70 |
| 072 | 8383 | 00706 | BBGP6BLKF6PK | BBGP6BLKF6PK BETTERGRIP 6PK | 5.40 |
| 072 | 8383 | 00713 | BBGP6BLUF6PK | BBGP6BLUF6PK BETTERGRIP 6PK | 5.40 |
| 072 | 8383 | 00744 | BBGP6BLUM6PK | BBGP6BLUM6PK BETTERGRIP 6PK | 5.40 |
| 072 | 8383 | 00720 | BBGP6REDF6PK | BBGP6REDF6PK BETTERGRIP 6PK | 5.40 |
| 072 | 8383 | 00751 | BBGP6REDM6PK | BBGP6REDM6PK BETTERGRIP 6PK | 5.40 |
| 072 | 8383 | 50107 | BBPS-BLKF6PK | BETTER BALL POINT BLK FINE 1PK | 1.46 |
| 072 | 8383 | 57106 | BBPS-BLKM6PK | BETTER BALL POINT BLACK M 1PK | 1.46 |
| 072 | 8383 | 60106 | BBPS-BLUF6PK | BETTER BALL POINT BLUE F 1PK | 1.46 |

Step 5 - Download the file to the Cipher Reader.

For this process, you must use the most current version of the DLookup.exe utility. First, put the reader into transfer lookup file mode by returning to the main menu of the reader and picking 3.Utilities. Then choose 8. Load Lookup. Now, place the reader in the dock. Next, start up the DLookup.exe program, pick the .txt file you want to load, and make sure all the parameters are set like below (*you must choose your correct Com Port*):

| Download Lookup: v2.03 | | | | |
|------------------------|-------------------------------|--|--|--|
| File name : | Browse | | | |
| Cipher Utilities\DL | .ookup203\Lookup.TXT | | | |
| Download via : | Cradle-IR 💌 | | | |
| COM port : | € (1~255) | | | |
| Baud rate : | 115200 bps 💽 | | | |
| | Configure | | | |
| ОК | Cancel | | | |

Step 6 - If the load was successful then you will get a good beep and you can go about scanning. If not, then the program will warn you where you are making a mistake.