



# CipherLab General Instructions



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## 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:

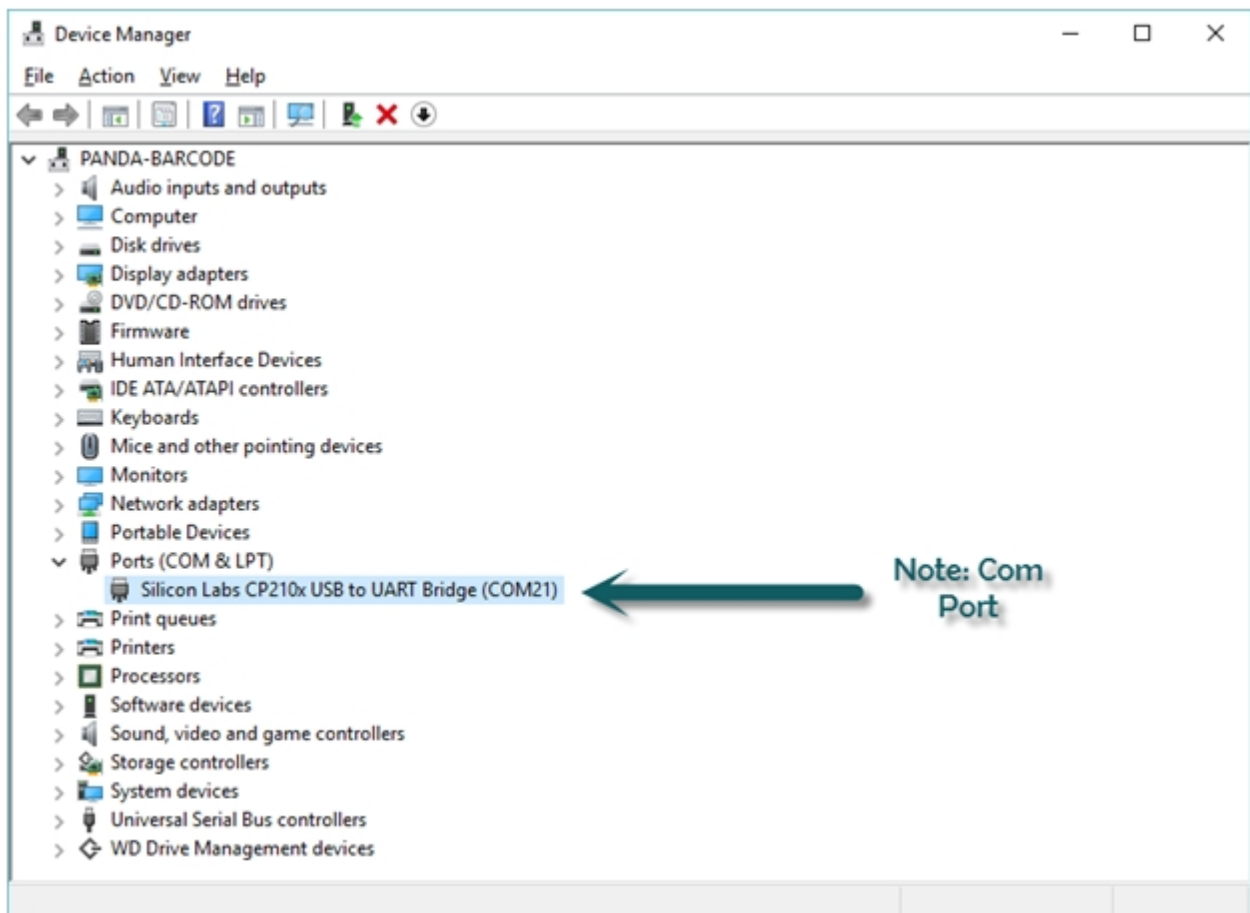
Key	Description
<b>SCAN</b>	Press the yellow button to trigger the scanner to read a barcode.
<b>ENTER</b>	Normally the enter key is used for command execution or input. The Enter button on the 8200 is the blue – button on either side of the Scan button.
<b>ESC</b>	This key is used to stop or exit the current operation
<b>BkSp</b>	If this key is pressed down for longer than one second then a clear code is sent.
<b>BLUE</b>	Toggle key for Alphabet Input. When this key is pressed once, the entire keyboard will change to upper case alpha keys. Pushing the key again will switch to lower case and pushing it again (3 <sup>rd</sup> time) will revert back to default. You will see a small icon on the screen to show what mode it is in.
<b>FN</b>	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.
<b>ORANGE</b>	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.
<b>POWER</b>	Pressing the power key causes the unit to turn on or off.
<b>BACKLIGHT</b>	Pressing the backlight key will turn the backlight on or off.
<b>CONTRAST</b>	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

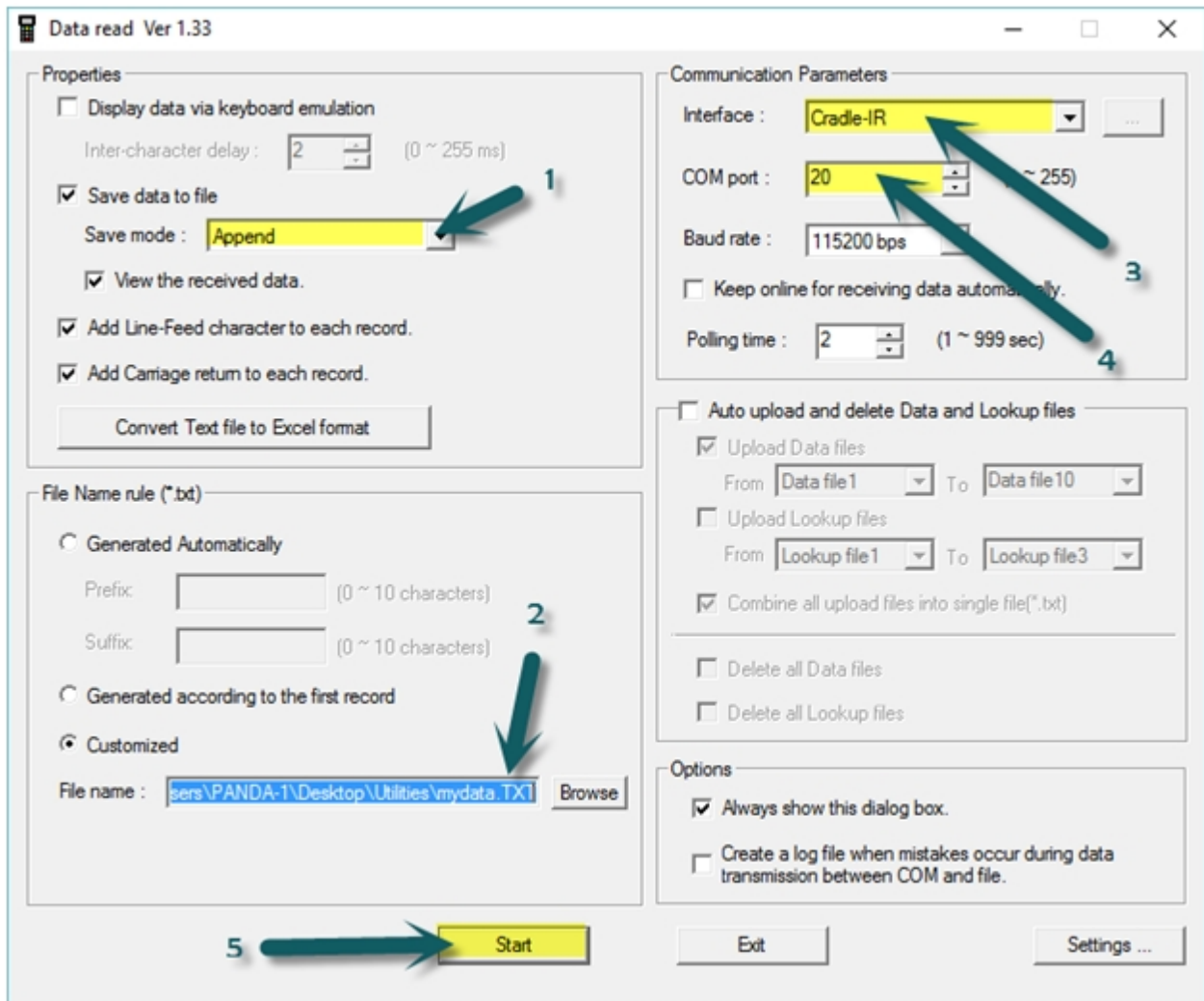
### Install Drivers

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.
2. 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.

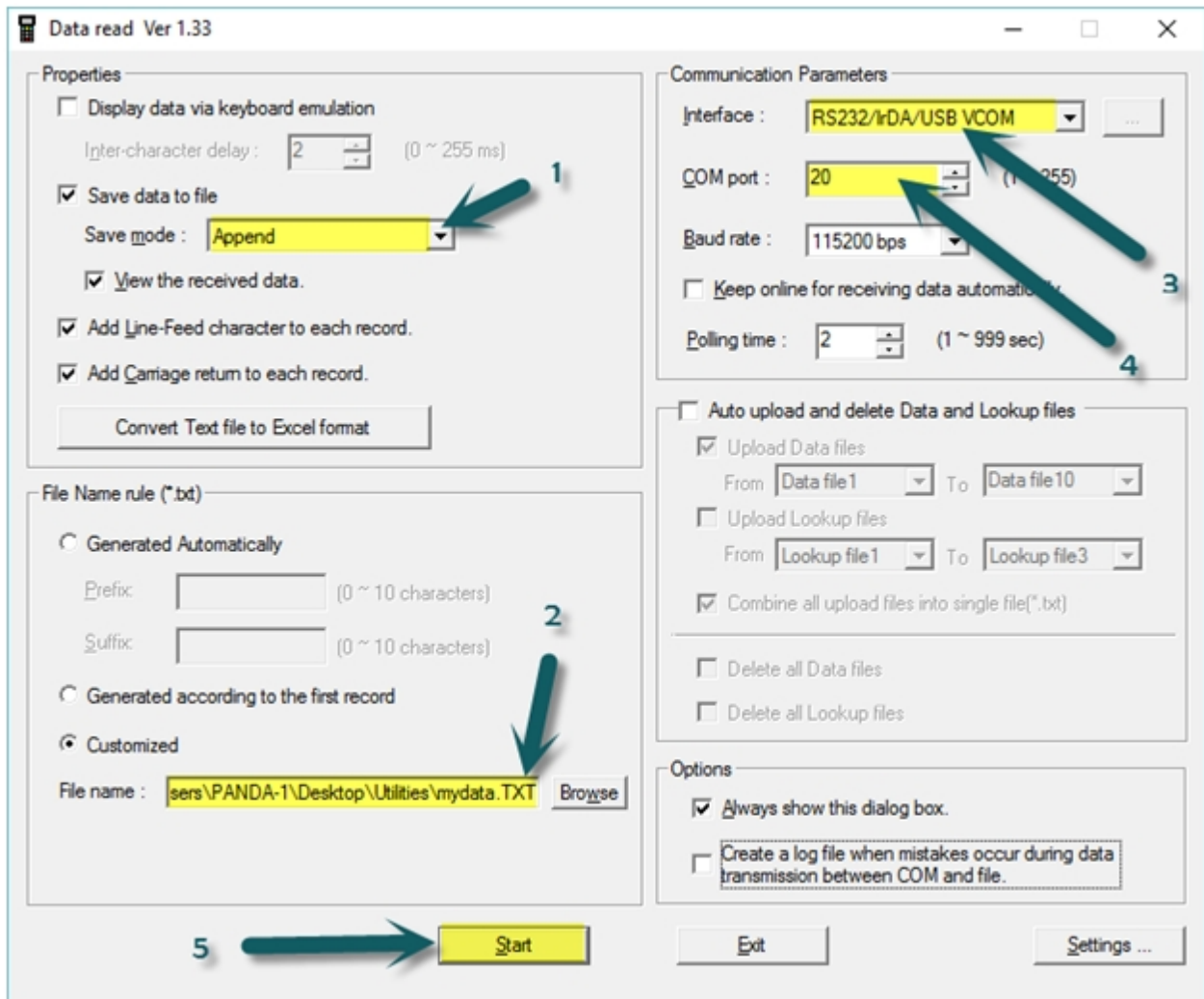


## Setting up Data Read for CipherLab 8000 Only



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



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.

	A	B	C	D	E
1	UPC	ITEM	DESC	PK	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.

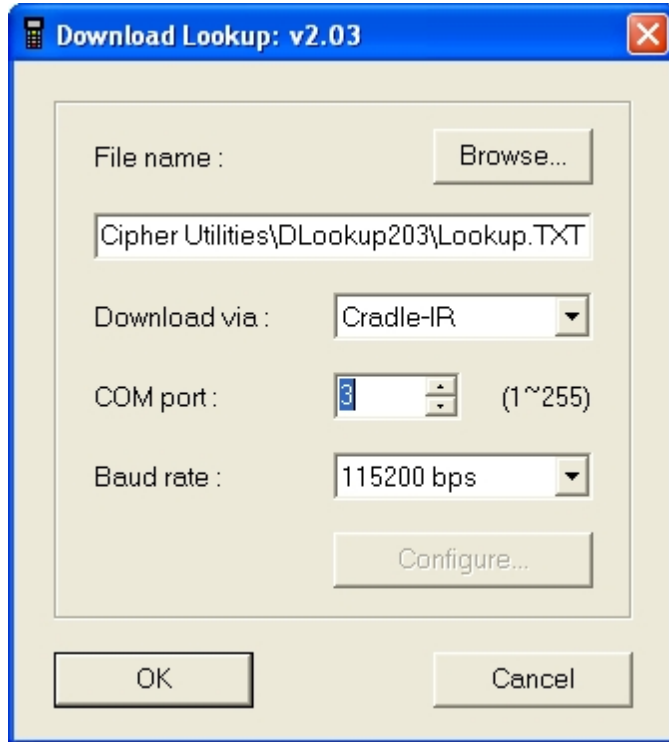
**Step 3** - Save file as tab-delimited txt file within Microsoft Excel.

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

UPC	ITEM	DESC	PK	LIST
072838300577	BBGP2BLKM	BETTERGRIP BLACK MED. 2-PK		1.80
072838300560	BBGP2BLUM	BETTERGRIP BALL PT BLU MED 2PK		1.80
072838300584	BBGP3001F6PK	BBGP3001F6PK BETTERGRP 3PK		2.70
072838300706	BBGP6BLKF6PK	BBGP6BLKF6PK BETTERGRIP 6PK		5.40
072838300713	BBGP6BLUF6PK	BBGP6BLUF6PK BETTERGRIP 6PK		5.40
072838300744	BBGP6BLUM6PK	BBGP6BLUM6PK BETTERGRIP 6PK		5.40
072838300720	BBGP6REDF6PK	BBGP6REDF6PK BETTERGRIP 6PK		5.40
072838300751	BBGP6REDM6PK	BBGP6REDM6PK BETTERGRIP 6PK		5.40
072838350107	BBPS-BLKF6PK	BETTER BALL POINT BLK FINE 1PK		1.46
072838357106	BBPS-BLKM6PK	BETTER BALL POINT BLACK M 1PK		1.46
072838360106	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*):



**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.