

# BatteryStore<sup>w</sup> v1.6



# **User Guide**

# Trademark

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# **Table of Contents**

Section 1: Get Started with BatteryStore <sup>TM</sup>	5
Welcome to BatteryStore <sup>TM</sup>	5
The BatteryStore Software Package	6
Computer Requirements	6
Receipt Printer Compatibility	6
Receipt Printer Installation	7
Install BatteryStore	8
Uninstall BatteryStore	8
Software Updates	8
The Menu Bar	9
Connect a C5100B to the PC	
Connect a C5100B to BatteryStore	
Exit the BatteryStore Application	
Section 2: Test, Cycle and Charge Batteries	
Perform a Battery Test	
Section 3: Manage Test Results	
Manage Test Results	16
View Test Results	
Print Test Results	
Export Test Results	
Save Test Results	
Delete Test Results	
Search for Test Results	
Sort the Test Results	
View a Test Summary Report	
Section 4: Configure BatteryStore <sup>TM</sup> Options	
BatteryStore Options	
Site Information Setup	
Printer Setup	
Test Report Template	
Section 5: C5100B Setup	

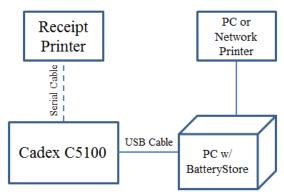
C5100B Setup	
Target Capacity	29
C5100B Printer Setup	29
Firmware Update	
Section 6: Update and Backup the Battery Models Database	34
Battery Models and Q-Codes Update	34
Backup the Battery Models Database	37

# Section 1: Get Started with BatteryStore<sup>™</sup>

# Welcome to BatteryStore<sup>™</sup>

**BatteryStore**<sup>™</sup> is Microsoft Windows-based software that lets users start and monitor battery tests on a C5100B and stores battery test result histories in a database.

**BatteryStore** can export test data, consolidate tests, provide test reports, and generate performance summaries. **BatteryStore** also provides the ability to print receipts and customize service reports.



PC Mode (Tethered Mode)

The PC with **BatteryStore** is used for:

- a. C5100B Control (Test, Charge, or Cycle)
  - QuickSort<sup>™</sup> Test
  - QuickSort<sup>TM</sup> 3.0 (QSMS) Test
  - QuickSort<sup>™</sup> 4.0 Test
- b. Data Management: Store and export test results

- c. PC or Network Printing: Prints a test report
- d. Optional Receipt Printing: Prints test results on a 2.25"
   [57mm] wide receipt

How to setup up PC Mode:

- 1. Connect hardware according to the PC Mode diagram
- 2. Configure BatteryStore Options (Section 4)
  - a. Site information
  - b. Printer Setup
  - c. Report template

## The BatteryStore Software Package

The **Cadex C5100B BatteryStore** software package contains the following items:

- Cadex C5100B BatteryStore Software
- BatteryStore Installation Guide

## **Computer Requirements**

BatteryStore requires the following computer configuration:

- Windows 7, 8, or 10
- 1.2 GHz or faster CPU
- 512 MB RAM
- PC with USB port
- An SVGA color monitor 1024 x 768 or better, 256 colors minimum; mouse & keyboard

# **Receipt Printer Compatibility**

The **C5100B** can be configured to print test results on a 2.25" [57mm] wide receipt. The **C5100B** and **BatteryStore** are compatible with the *Bixolon STP-103 III* thermal printer (sold separately).

# **Receipt Printer Installation**

The Bixolon STP-103 III thermal printer requires the following installation steps.

- 1. Connect DB9 Male-to-male Adapter into the C5100B serial port (back of device)
- 2. Set the DIP switches on the Bixolon STP-103 III thermal printer:
  - a. Serial Interface settings

Baud rate: 9600 bps

Data bits: 8 bits

Parity: None

Stop bit: 1 bit

The serial interface settings are required in order for the **C5100B** to correctly communicate with the thermal printer. See figure below for printer underside.



3. Follow the *Printer Installation Guide* that is included with the Bixolon STP-103 III thermal printer

## Install BatteryStore

To install **BatteryStore**:

1. Download the latest version from the Cadex website: http://www.cadex.com/en/subscriptions

Password: victoria

The download is a compressed executable file (with file extension .MSI)

- 2. Open the folder where the downloaded file was stored and double-click **BatteryStore.msi** to install **BatteryStore**. The **Welcome to Cadex BatteryStore Setup Wizard** window appears.
- 3. Follow the steps through the installation wizard

# **Uninstall BatteryStore**

To remove **BatteryStore** from your computer:

- 1. In Control Panel, go to Uninstall a program
- 2. Select Cadex BatteryStore and click Uninstall

## **Software Updates**

To see which version of **BatteryStore** is installed on the computer, select **About** from the **Help** menu. The **BatteryStore** version appears in the **About** window.

#### Update BatteryStore Software

When a new version of **BatteryStore** becomes available, it can be downloaded from the Cadex website:

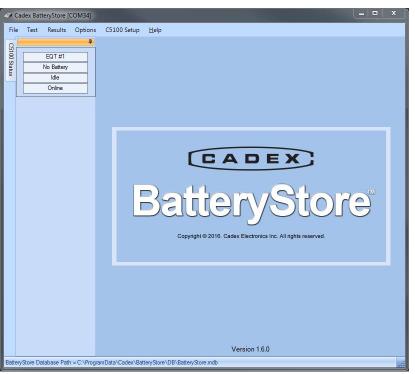
http://www.cadex.com/en/subscriptions

Password: victoria

The download is a compressed executable file (with file extension .MSI)

Running the downloaded executable will either run **Setup** and install a new version of the software, or extract files to a specified directory.

# The Menu Bar



**BatteryStore Main** window displays a title screen, a menu bar, and a C5100B status bar.

The menu bar on **BatteryStore Main** window displays six menus: *File, Test, Results, Options, C5100B Setup,* and *Help.* By clicking any of these menus displays a list of menu commands.

#### File Menu

The **File** menu contains two items, as follows:

Connect: Establishes communication between C5100B and PC

*Exit*: Select *Exit* to close **BatteryStore** 

#### Test Menu

Click *Test* to test a battery on a C5100B.

#### **Results Menu**

Click Results to view battery test results.

#### **Options Menu**

Click *Options* to specify site information, printer setup, report template fields, battery models information and database maintenance options.

#### C5100B Setup Menu

Click *C5100 Setup* to write and read the C5100B configuration, including the receipt printer settings.

#### Help Menu

The **Help** menu contains two items, as follows:

Help Content: Click Help Content to view this manual

About: Click About to view the About window

# Connect a C5100B to the PC

To connect a C5100B to the PC:

- 1. Connect one end of the USB cable to the PC
- 2. Connect the other end of the USB cable to the backside of the C5100B

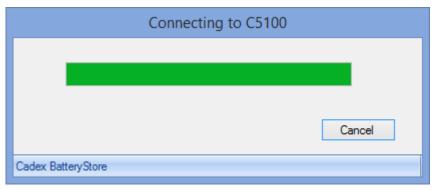
# Connect a C5100B to BatteryStore



### NOTE

BatteryStore automatically connects to a C5100B when BatteryStore starts up.

Select *Connect* from the **File** menu to connect a C5100B to **BatteryStore**. The **Connecting to C5100** window appears.



If the connection was successful, the C5100B is listed on the **C5100 Status** bar.

# Exit the BatteryStore Application

To close the **BatteryStore** application:

• From the **File** menu, select *Exit* 

Or

• Click **X** at the top-right corner

The **Exit** window appears.

BatteryStore	
Exit BatteryStore?	
Yes No	

Click Yes to exit BatteryStore.

# Section 2: Test, Cycle and Charge Batteries

# **Perform a Battery Test**



## WARNING

Do not remove the C5100B battery adapter while the C5100B is running a test or updating the firmware.



# NOTE

Test results are retained on the C5100B until a new test is initiated. Therefore, additional copies of receipts can be printed without running the test a second time.

The result from a test, cycle, or charge is automatically saved in the Results Section.

To perform a battery test, click the **Test** menu item. The **Battery Test** window appears.

Battery Test Methods				
Test       Performs rapid battery tests using Cadex's QuickSort         Technology.       Technology.				
Charge	Charges a battery. Approximately 3 hrs.			
Cycle	Cycles a battery with charge/discharge/charge and displays measured capacity as a percentage of the Q- Code/C-Code capacity rated value. Approximately 7			

	hrs.
A batto	ay test contains the following stops:

A battery test contains the following steps:

- 1. Select the battery's nominal voltage
- 2. Select the battery's nominal (rated) capacity
- 3. Run a battery test
- 4. Print the receipt or test report

#### Step 1: Select the Battery Model

The **Battery Test** window provides two methods to select a battery model:

O User Specified Rating: Input the nominal battery capacity mAh in the field (this information should be located on the battery label). This method triggers either QuickSort<sup>™</sup> (below 1400mAh) or QuickSort<sup>™</sup> 4.0 (1400mAh or above).

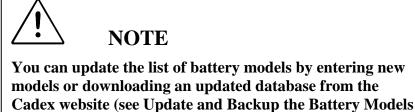
Or

 Select Battery: Select a battery model from the list. If your battery model cannot be located, use the other option. This method triggers QuickSort<sup>™</sup> 3.0 (QSMS), if available.

In the *Select Battery* option, click **Select Battery** button. The **Battery Models** window appears.

Manufacti	urers		¥ [	Show F	avorite Only	Show QS3 I	Models Only	
Manufactur		Description	Favorite		Voltage	QS3 Model	Alias 🔺	ОК
	700-000004-0001			1200	3.6			UK
AirPrime	High Capacity			1350	3.6			
Alcatel	3BN 66089 AAAB			600	3.6			Cancel
Alcatel	3DS 06232 AAAA			800	3.6			
Alcatel	3DS 06941 AAAA			600	3.6			
Alcatel	3DS 08832 ABAAHDZZ.			825	3.6			
Alcatel	3DS04956AAAA			900	3.6			
Alcatel	3DS05627AAAA			650	3.6			
Alcatel	3DS07805AAAA			725	3.6			
Alcatel	3DS09499			950	3.6			
Aselsan	582019132001			600	3.6			Delete
Aselsan	582019132002			1300	3.6			2 3/010
Audiovox/U	201XTLSY			1400	3.6			
Audiovox/U	BL-4003C			900	3.6			
Audiovox/U	BTAV8900			1800	3.6			
Audiovox/U	BTE 4000			1900	3.6			
Audiovox/U	BTE-1100			1600	3.6			
Audiovox/U	BTE-3600			1000	3.6		~	

In the **Battery Models** window, click the DOWN ARROW in the *Manufacturers* field to view a list of battery models manufactured by a specific company.



Database).

The **Battery Models** window lists all available battery models. For each battery model, the window shows the manufacturer's name, the battery's model number, the rating, nominal voltage, the alias, and the QS3 model, if applicable. To set a specific battery model as a "favorite", select the check box in the **Favorite** column. To view only those battery models selected as favorites, select the *Show Favorites Only* check box.

Show QS3 Models Only lists all available QuickSort<sup>™</sup> 3.0 (QS3) battery models. For each battery model, the window shows the manufacturer's name, the battery model's number, the rating, nominal voltage, the alias, and the QS3 model. To view only QS3 battery models, select the *Show QS3 Models Only* check box.

#### Step 2: Run a Battery Test, Charge, or Cycle

In the *User ID* field, type an identification code for a customer or employee. Type any notes in the *Service Notes* field, as required. To test the battery, click **Test**. To charge the battery, click **Charge**. To discharge and then charge the battery, click **Cycle**.

The Test Status field indicates the status of the test:

- A progress bar is used to show the progress of the current test
- A Cancel button is used to halt the test
- Finish the test has completed.

The *Test Log* field contains additional information about the test status and test result.

#### Step 3: Print the Receipt or Test Report

**BatteryStore** prints receipts on a standalone receipt printer and test reports on a PC printer. Configure the default printer in the **Options->Printer Setup** window.

#### 1. Standalone Receipt Printer

Go to **C5100 Setup** to configure receipt printer. (**Note**: To activate Receipt printing, ensure the C5100B printer is not set to disabled).

#### 2. PC Printer

Go to **Options->Printer Setup** to configure PC printer.

The **Print** button prints to the default printer.

The *Auto Print Test Report* option automatically prints the test report or receipt when the test is completed – you do not need to click **Print**.

# **Section 3: Manage Test Results**

# **Manage Test Results**

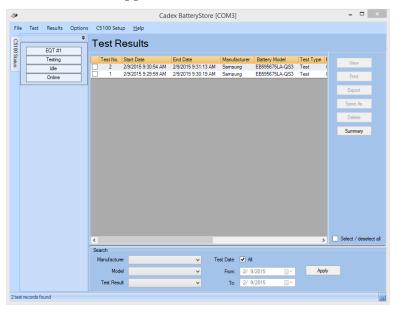
The **Test Results** window lists all battery test reports. For each test result, the **Test Results** lists:

- Test number, test type, and test result
- Start and end date & time of test
- Battery manufacturer's name and battery model
- Fault code, if any
- Capacity rating, voltage rating, and equipment ID
- C5100B firmware revision number

You can view and print test reports, export a test report to a comma-delimited text file, save the test report as a PDF file, view a summary, or delete the test report.

#### **View Test Results**

To view a test result, click the **Results** menu item. The **Test Results** window appears.



Highlight a test result and click **View**. The test result appears in the **Service Report** window.

	Service Report	- • ×
🖬 🖏 🖬		
CADEX: World	leader in quality and innovation for portable power systems	^
Test ID	8	
Start Time	2/12/2015 6:18:21 PM	
End Time	2/12/2015 6:18:42 PM	
Manufacturer	Samsung	
Battery Model	EB595675LA-QS3	
Site ID	Cadex	
Company Name	Cadex Electronics	
Phone	604-565-5228	
Street	22000 Fraserwood	
City	Richmond	
State / Province	BC	
Country	Canada	
Zip / Postal Code	V6W 1J6	
Email	support@cadex.com	
Website	www.cadex.com	
User ID	N/A	
Test Type	QS3 Test	
Result	Good Battery	
Fault Code	N/A	~
Voltage Rating	3800 mV	

To print the test report, click **Print**. To save the test report to a PDF file, click **Save**.

#### **Print Test Results**

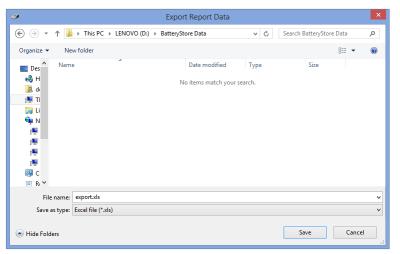
To print a test result, click the **Results** menu item. The **Test Results** window appears.

Click the check box in the left-hand column to select a test result and click **Print**. The report is sent to the default printer. Multiple test reports can be printed by left-clicking multiple test results. Click the *Select/deselect all* check box to quickly select or deselect all test results.

#### **Export Test Results**

To export a test result to file, click the **Results** menu item. The **Test Results** window appears.

Select the check box adjacent to each test result to export and click **Export**. The **Export Report Data** window appears.

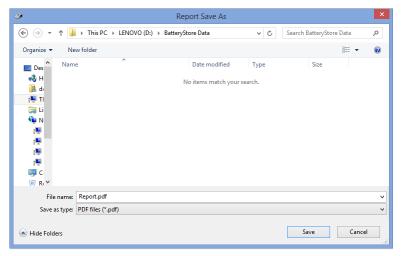


In the *File Name* field, type a name for the report and click **Save**. The report may be saved with an Excel (.xls) format or comma separated value (.csv) format.

#### **Save Test Results**

To save a test result, click the **Results** menu item. The **Test Results** window appears.

Select the check box adjacent to the test result to save and click **Save As**. The **Report Save As** window appears.



In the *File Name* field, type a name for the report and click **Save**. The test result report may be saved in PDF (.pdf), HTML (.html), and text (.txt) file formats.

#### **Delete Test Results**

To delete a test result, click the **Results** menu item. The **Test Results** window appears.

Select the check box adjacent to test result to delete and click **Delete**. The **Delete Test Result** window appears.



Click **OK** to permanently delete the selected test results.

# **Search for Test Results**

The **BatteryStore** database may contain hundreds, or even thousands of test results. The *Search* section of the **Test Results** window lets you search for specific test results.



To search for results based on the battery manufacturer's name, the battery's model, or by the test result (good, fair, poor, or low battery), click the DOWN ARROW in the appropriate field and select the criteria.

To search for results based on a date, deselect the *All* check box and then click the DOWN ARROW in the *From* field. Next, click the DOWN ARROW in the *To* field and select the ending date.

Click **Apply** to search for the test results.

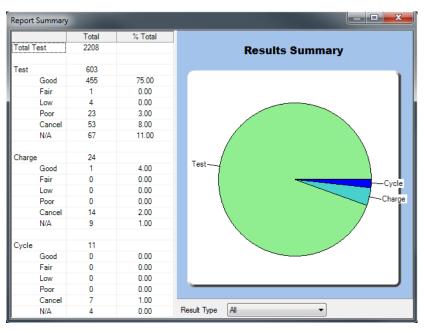
## Sort the Test Results

To sort the test results, click the **Results** menu item. The **Test Results** window appears.

To sort the test results, click the column header. The test results are sorted in ascending order. Click the column header a second time to reverse the sort order.

# **View a Test Summary Report**

To view a summary of test results, click the **Results** menu item, then click the **Summary button**. The **Report Summary** window appears.



The **Report Summary** window shows a breakdown of all the tests that were performed.



The Report Summary will only display test results that are active in the test results window. For instance, to view the Results Summary for a specific Battery Manufacturer or for a specific time, apply the Search tools (Search for Test Results section) to modify the list of test results.

View different Result summaries by clicking the DOWN ARROW in the *Result Type* field and selecting between All, Test, Charge, and Cycle.

# Section 4: Configure BatteryStore<sup>™</sup> Options

## **BatteryStore Options**

The information in the **Site Information Setup** window appears in Test reports and is the default information that appears in the **C5100 Setup** window.

To configure **BatteryStore's** options, click the **Options** menu item. The **BatteryStore Options** window appears.

		BatteryStore	Options			×
General <b>^</b>	Site Inform	nation Setup				
Site Information Printer Setup Report Template	Site ID	Cadex Cadex Electronics			New	
Database	Company Name Street	22000 Fraserwood			Select Site	
Battery Models Maintenance	City	Richmond	State/Province	BC	Export	
Maintenance	Zip/Postal Code	V6W 1J6			Import	
	Country	Canada				
	Email	support@cadex.com				
	Web Site	www.cadex.com				
	Phone	604-565-5228				
	Message	C5100 Tester				
	Tagline	Battery Analyser				
					OK Cance	1

The **General** tab contains *Site Information, Printer Setup*, and *Report Template* option settings. The **Database** tab contains *Battery Models* and *Maintenance* option settings. Click the appropriate tab to see the list of options.

#### **Site Information Setup**

**BatteryStore** can save customer site information. For each site, **BatteryStore** saves the site ID, company name, address, and contact information.

To manage site and contact information, click the **Site Information** menu item under **General** tab. The **Site Information Setup** window appears.

General	•	Site Inform	mation Setup			
Site Information Printer Setup Report Template		Site ID	Cadex	ł.		New
		Company Name	Cadex Electronics			
Database	•	Street	22000 Fraserwood			Select Site
Battery Models		City	Richmond	State/Province	BC	Export
Maintenance		Zip/Postal Code	V6W 1J6			Import
		Country	Canada			2
		Email	support@cadex.com			
		Web Site	www.cadex.com			
		Phone	604-565-5228			
		Message	C5100 Tester			
		Tagline	Battery Analyser			

The default customer site's information appears in the **Site Information Setup** window. If required, type new information about the customer's site in the appropriate fields and click **OK** to save the information.

#### **Create New Site Information**

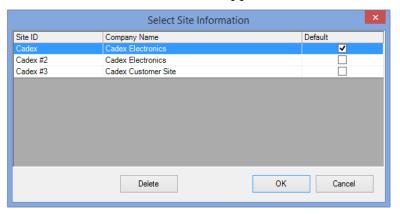
To create new site information setup, click **New**. A blank **Site Information Setup** window appears.

		BatteryStor	e Options			×
General 🔺	Site Inform	nation Setup				
Ceneral Site Information Site Information Preport Template           Database           Battery Models           Maintenance	Site IIIOI Company Name Street City Zip/Postal Code Country Email Web Ste Phone Message Tagine	N/A           N/A	State/Province N	             	New Select Ste Export Import	
					OK Cancel	

Type the information in the appropriate fields for the new customer site. Click **OK** to save the information.

#### **View Site Information**

To view information about a specific site, click **Select Site**. The **Select Site Information** window appears.

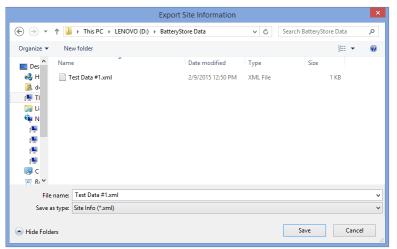


The **Select Site Information** window lists the sites in the database. Select the site to view and click **OK**. The site's information appears in the **Site Information Setup** window.

To delete a site, select the site and click **Delete**.

#### **Export Site Information**

Information about each site can be exported to a *Site Information* file. To export the site information, click **Export**. The **Save As** window appears.



Type a name for the site information file in the *File name* field and click **Save**. The site information is saved to the file in (.xml) format.

#### **Import Site Information**

Information about sites can be imported into **BatteryStore** from a *Battery Customer Site* (.xml) file. To import the site information, click **Import**. The **Open** window appears.

	Import Site Information						
🛞 🌛 👻 🕆 퉬 🕨 This PC	→ LENOVO (D:) → BatteryStore Data	× ¢	Search BatteryStore Data	Q,			
Organize 🔻 New folder			8== 👻				
Desktop ^ N	ame	Date modified	Туре	Size			
🖏 Homegroup 🛛 🗍	Test Data #1.xml	2/9/2015 12:50 PM	XML File	1 KB			
🖳 This PC							
😭 Libraries 🗣 Network							
1월 1TB 1월 DENNIS-PC							
I퇲 DENNIS-PC2 I퇲 JUNE-HP							
Control Panel Recycle Bin							
BatteryStore 1.4.9				>			
🔒 C5100 Document 🌱 <							
File name:		~	Site Info (*.xml)	*			
			Open C	ancel			

Locate the text file that contains the site information and click **Open**. The site information is imported into **BatteryStore's** site database.

#### **Printer Setup**

To configure printer setup, click the **Printer Setup** menu item under the General tab. The **Printer Setup** window appears.

		BatteryStore Options		×
General A Site Information Printer Setup Report Template	Printer Setu PC Printing Option Select Printer Print Mode Default Printer O C5100 Pr	HP LaserJet Professional P1606dn Manual	Change	^
			OK Cano	el .

In the *PC Printing Options* section of the **Printer Setup** window, select the printer to use by clicking **Change**. The **Print** window appears.

	Print	×
Printer		
Name:	HP LaserJet Professional P1606dr	n v Properties
Status:	Ready	
Type:	HP LaserJet Professional P1606dn	
Where:	IP_192.168.2.190	
Comment:	Network Printer	Print to file
Print range		Copies
All		Number of copies: 1
Pages	from: to:	
🔵 Selecti	on	11 22 33 Collate
		OK Cancel

Select the appropriate printer **BatteryStore** will use to print test reports and click **OK**.

Click the DOWN ARROW in the *Print Mode* field and select the printing mode. Select the *Manual* option to require the user to click **Print** on the Test page to manually print the test report when the battery test is completed; select the *Auto* option to print the test report automatically when the battery test is completed.

In the *Default Printer* section of the **Printer Setup** window, select the *C5100B Printer* or the *PC Printer* option to select the printer that **BatteryStore** will use to print.

#### **Test Report Template**

To specify the fields that will appear on printed test reports, click the **General** tab and then click **Report Template**. The **Report Template** window appears.

rinter Setup leport Template	Report Templ	Fields	^		
Neport reinplate	~	Test ID		Move Up	
	<b>v</b>	Start Time			
Database 🔺	✓	End Time			
Battery Models	✓	Manufacturer		Move Down	
Maintenance	-	Battery Model			
Maintenance	-	Site ID			
	✓	Company Name			
	-	Phone			
	-	Street			
	-	City			
	-	State / Province		<ul> <li>Select / deselect all</li> </ul>	
		Country	~		
		World leader in quality and innovation for portable power syst	lems	Browse	

By default, all field names are automatically selected. Clear the check box next to a field's name to exclude that field from the

report. Select the check box next to the field's name to include that field in the report. To select all field names, select the *Select/deselect all* check box; to remove all field names, deselect the *Select/deselect all* check box.

To move the position of a field up or down in the report, click the field name and then click **Move Up** or **Move Down**. This sets the order that the fields will appear in reports using this template.

When you have finished selecting the fields for the report template, click **OK** to save the template.

To print a company logo on the report, click **Browse**. The **Select Report Logo** window appears.

Logo files can be JPG or BMP files. Navigate to the folder that contains the logo file, select the file, and click **Open**. The logo file's image appears in the *Report Logo* section of the **Report Template** window.

When you have finished selecting the options for the report template, click **OK** to save the template.

# Section 5: C5100 Setup

# C5100B Setup

The **C5100 Setup** window is used for target capacity, receipt printing and firmware update. A user can assign desirable target capacity and print mode onto the C5100B or read settings from the C5100B by clicking **Refresh** buttons.

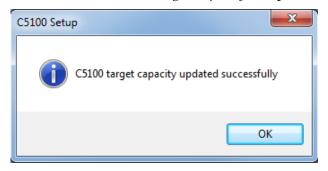
Cadex BatteryStore [COM17]		
File Test Results Options	C5100 Setup <u>H</u> elp	
EQT #1 Battery Detected Idle	C5100 Setup -C5100 System Setup Target Capacity   60%  70%  80%  90%  Refrest Set	
Online	_ C5100 ID	
	Equipment ID EQT #1 Set	
	Print Mode Refres	η 1
	C5100 Printer Setup	
	Company Name Cadex Electronics Update	•
	Site Name Cadex	
	Street 22000 Fraserwood Way	
	City Richmond BC	
	Phone 604 231 7777	
	Website www.cadex.com	
	Tagline Battery Analyser	
	Message C5100 Tester	
	Firmware Update	
	FW Version Bootloader 0202 Firmware 0500 Update	•

#### **Target Capacity**

The new firmware has adjustable user defined target capacity. All QuickSort<sup>™</sup> 4.0 test and Cycle results will display Good or Poor based on this setting.

To configure *Target Capacity* setting, choose one of following options: 60%, 70%, 80%, or 90%.

Click **Set** to save the *Target Capacity* setting or click **Refresh** to retrieve the C5100B's current *Target Capacity* setup.



#### C5100B Printer Setup

The information in the **C5100 Setup** window is used when printing receipts from a network printer or the Bixolon's thermal printer.

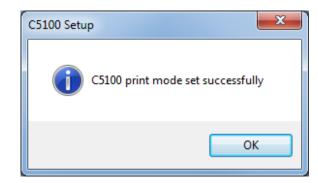
To configure the receipt printer information, click the **C5100 Setup** menu item. The **C5100 Setup** window appears.

In the *Equipment ID* field, type identification numbers or alphabets (up to 10 characters) to associate with the selected C5100B.

Click the DOWN ARROW in the *Print Mode* field and select the printer option, as follows:

- *Disable*: The default printer will not be used.
- *Manual*: When the battery test is completed, click **Print** on the Test page to manually print the test receipt.
- *Auto*: When the battery test is completed, the test receipt is automatically printed. Additional receipts can be printed by clicking the **Print** button.

Click **Set** to save the *Print Mode* setting or click **Refresh** to retrieve the C5100's current *Print Mode* setup.



In the *C5100 Printer Setup* section of the **C5100B Setup** window:

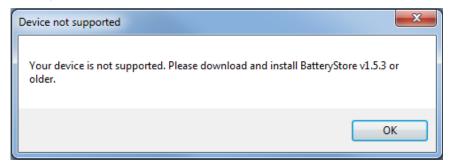
- The **Site Information** window under **Options** should be filled out first as this information is automatically transferred to the **C5100 Setup** window by default. Click **Update** to save the information to the C5100B.
- The date and time information shown in the PC are automatically sent to the C5100B for printing in standalone mode.

#### **Firmware Update**

The *FW Version* field displays the version of the firmware installed in the connected C5100B. Select the **Update** button and follow the Firmware Utility directions to upgrade the firmware.

**Note:** During connection, **BatteryStore** identifies if your C5100 is an older version (see figures below). Update the C5100B firmware using **Cadex C5100 Firmware Utility** to ensure correct operation of **BatteryStore**.

BatteryStore first opened:



Trying to operate the C5100B in BatteryStore:

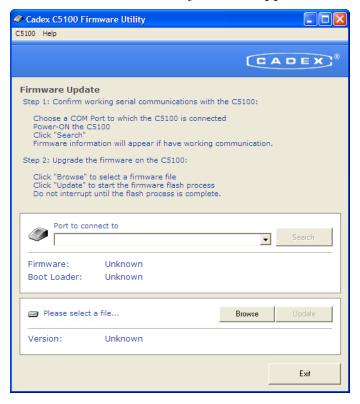


To update the C5100's Firmware:

1. Select **Update** from the *Firmware Update* section.



- 2. Click **OK** to update the firmware or **Cancel** to return to the **C5100 Setup** window.
- 3. Cadex C5100 Firmware Utility window appears.



- 4. Click the DOWN ARROW in the *Port to connect to* field to select the COM port that the C5100B is connected to. Ensure AC power is applied to the C5100B and USB cable with a Type B connector is connected from the analyzer to the computer. Click **Search**. If there is a working connection, the firmware information appears.
- 5. Click **Browse** to select a firmware file (firmware files have a file extension .sef) and click **Open.**

Select a C5100 firmware file	<b>×</b>		
Look in: 📙 C5100 Firmware 💌	⇐ 🗈 📸 📰 ◄		
Name	Туре		
SWC51BB102.sef	SEF File		
SWC51BB400.sef	SEF File		
SWC51BB410.sef	SEF File		
SWC51BB411.sef	SEF File		
SWC51BC500.sef	SEF File		
File name: .sef	Open		
Files of type: C5100 Firmware File (*.sef)	Cancel		

6. Next, click **Update** to initiate the firmware flash process. The **Confirm** window appears.



7. Click **Yes** to update the firmware.

Please	e Wait
	Firmware record: 10077 of 15365
	F788D77DBF84C77527D90916C78EC5A98D988ED2744A2 F788D77DBF84C775D74E095047F6F9188D988ED2744A2B F788D77DBF84C77569C122CA682E3A178D988ED2744A2I F788D77DBF84C77591E6073B1C670EB68D988ED2744A2E F788D77DBF84C7754DC1F385DC08EEA28D988ED2744A2

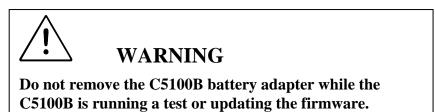
8. The **Information** window appears when the firmware has been updated. Click **OK**.

Information 🛛 🔀
Firmware updated.
ОК

9. Click **Exit**. The **Confirm** window appears. Click **Yes** to exit the firmware utility.



10. Close **BatteryStore** and restart the software.



If error messages occur, contact Cadex Technical Support at (Canada) 1-604-231-7777, (USA Toll Free) 1-800-565-5228, or (Europe) +49 (0) 6105 975 11-0, or service@cadex.com.

# Section 6: Update and Backup the Battery Models Database

#### **Battery Models and Q-Codes Update**

To Update the Battery Models database and Q-Code Library:

- 1. Open **BatteryStore**. Select **Options**. Select **Battery Models** under **Database**.
- 2. While still in the Battery Models Update page, select either *Add new models only* or *Add new models and update existing models*. Select **Web Update**.

	BatteryStore Options	×
General	Battery Models Update	^
Site Information Printer Setup Report Template	Battery Models Configuration File  Model File  Update	
Battery Models Maintenance	Battery Models Web Update Web Update	
	Options  Add new models only  Add new models and update existing models	
	Stop	
	OK Cancel	

3. The Update Battery Models window appears.



- 4. Click **OK** to update the database or **Cancel** to return to the **Battery Models Update** window.
- 5. Click **Stop** to cancel the process anytime.
- 6. The number of battery models that were updated and the number of battery models that were added will be shown below.

BatteryStore Options		×
General 🔺	Battery Models Update	<u>^</u>
Site Information Printer Setup Report Template	Battery Models Configuration File Model File C:\ProgramData\Cadex\BatteryStore\bsmodels.cfg Update Update	
Battery Models Maintenance	Battery Models Web Update Web Update	E
	Options	
	Stop	
	0 models updated. 0 models added OK Cancel	•

7. Click **OK** to return to the **Battery Models Update** window. Next, click **OK** return to **BatteryStore's** active window.

The following steps are only required if you do not have access to the internet. This method requires a database file which can be obtained from:

http://www.cadex.com/en/support/technical

To Update the Battery Models database and Q-Code Library:

- 1. Save the .CFG database file to your PC. The .CFG file is found on the Cadex website, under Technical Support.
- 2. In the **Options** menu click the **Battery Models** menu item. The **Battery Models Update** window appears.

	BatteryStore Options	×
General Site Information Printer Setup Report Template	Battery Models Update Battery Models Configuration File Model File Browse	^
Database  A Battery Models Maintenance	Update Battery Models Web Update Web Update	
	Options      Add new models only      Add new models and update existing models	
	Stop	~
	OK Cancel	

3. To select the file that contains the battery models database file, click **Browse**. The **Select Battery Models Configuration File** window appears.

Select Battery Models Configuration File							×		
• 🕘 •	🕆 퉬 🕨 This PC	▹ LENOVO (D:) →	BatteryStore Data	1	v C	Search Batt	eryStore Dat	а	P
Organize 🔻	New folder						-		0
Desl ^	Name	^	Date modi	fied T	ype	S	ize		
<ul> <li>₩ Hc</li> <li>Ba</li> <li>He</li> <l< th=""><th>Battery Mode</th><th>-ls.cfg</th><th>2/9/2015 1</th><th>2:59 PM C</th><th>FG File</th><th></th><th>0 KB</th><th></th><th></th></l<></ul>	Battery Mode	-ls.cfg	2/9/2015 1	2:59 PM C	FG File		0 KB		
	File name:				~	Models Co Open	nfiguration	(*.cfg) Cancel	¥

4. Select the configuration file (configuration files have a file extension .CFG) and click **Open**.

To add battery models that do not exist in the database, select the *Add new models only* option; to add battery models that do not exist in the database and to overwrite existing models, select the *Add new models and overwrite existing models* option. Click **Update**.

5. The **Update Battery Models** window appears.



Click **OK** to update the database or **Cancel** to return to the **Battery Models Update** window.

- 6. Click **Stop** to cancel the process anytime.
- 7. The number of battery models that were updated and the number of battery models that were added will be shown below.

BatteryStore Options		×
General 🔺	Battery Models Update	
Site Information Printer Setup Report Template	Battery Models Configuration File Model File CAProgramData/Cadex/BatteryStore/bsmodels.cfg Browse	
Database 🔺	Update	
Battery Models Maintenance	Battery Models Web Update	E
	Options Odd new models only Add new models and update existing models	
	Stop	
	0 models updated. 0 models added	-
	OK Cancel	

8. Click **OK** to return to the **Battery Models Update** window. Next, click **OK** return to **BatteryStore's** active window.

#### **Backup the Battery Models Database**

**BatteryStore** can automatically backup your battery models database. To specify the frequency of the backup procedure, select **Maintenance** under **Database**. The **Database Maintenance** window appears.

BatteryStore Options		×
General  Site Information Printer Setup Report Template Database Battery Models Maintenance	Database Maintenance       Backup Database       Backup Path     C:\ProgramData\Cadex\BatteryStore       Frequency     30       Days	E
		*
	OK Cancel	

The backup copy of the battery models database is stored by default in the *C:\ProgramData\Cadex\BatteryStore* folder. To

change the location of the backup file, click **Browse** and choose a different folder.

Click the UP or DOWN ARROW in the *Frequency* field to select how many days should pass before the backup procedure is executed.

Click **OK** to save your maintenance settings.