

BatteryStore



User Guide

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Section 1: Get Started with BatteryStore[™]

Welcome to BatteryStore[™]

BatteryStore[™] is a Microsoft Windows-based software that lets users start and monitor battery tests on a C5100 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 to print customized test reports.

Two Methods to use BatteryStore:

1. PC Mode



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

- a. C5100 Control (Test, Charge, or Cycle)
- 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. Test report template

2. Standalone Mode



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

- a. Testing (QuickSort, Charge, and Cycle) via the C5100
- b. Configuring the C5100 (Receipt information, date and time). (**Note**: The date & time is lost once the C5100 is powered down.)
- c. Printing test results on a 2.25" [57mm] wide receipt receipts. The PC does not have to be connected to the C5100 once the device is configured. (Receipt printer sold separately)
- d. Upgrading firmware

How to setup Standalone Mode:

- 1. Connect hardware according to the Standalone Mode diagram.
- 2. Configure C5100 Setup (Section 5)
 - a. Print mode
 - b. Receipt printer setup
 - c. Date and time

The BatteryStore Package

The **Cadex C5100 BatteryStore** package contains the following items:

- Cadex C5100 BatteryStore Software on CD-ROM.
- USB Cable with Type A and B connectors.
- This user guide.

Computer Requirements

BatteryStore requires the following computer configuration:

- Windows XP or Windows 7
- 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 **C5100** can be configured to print test results on a 2.25" [57mm] wide receipt. The **C5100** and **BatteryStore** are compatible with the *Bixolon STP-103 G* thermal printer (sold separately).

Receipt Printer Installation

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

- 1. Set the DIP switches
 - 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 **C5100** to correctly communicate with the thermal printer. See figure below for printer underside.



2. Follow the *Printer Installation Guide* that is included with your receipt printer.

Install BatteryStore

To install **BatteryStore**:

- 1. Insert the installation CD into the CD drive.
- 2. Browse to your CD drive in *Windows Explorer* and doubleclick **SETUP.EXE** 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, use Add or Remove Programs.
- 2. Select Cadex BatteryStore and click Remove.
- 3. Follow the steps through the uninstall wizard.

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, registered users can download it from the Cadex website.

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

Running the downloaded executable will either run **Setup** and install a new version of the software, or extract files to a specified directory. In the latter case, follow instructions in the *ReadMe.Txt* file that accompanies the software update before running the executable file that installs the upgrade.

The Menu Bar

BatteryStore's Main window displays a title screen, a menu bar, and a C5100 status bar.



The menu bar on **BatteryStore's Main** window displays six menus: *File, Test, Results, Options, C5100 Setup,* and *Help.* 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 C5100 and PC

Exit: Select the *Exit* to close **BatteryStore**.

Test Menu

Click *Test* to test a battery on a C5100.

Results Menu

Click Results to view battery test results.

Options Menu

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

C5100 Setup Menu

Click *C5100 Setup* to configure the C5100 hardware, including the receipt printer settings.

Help Menu

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

Help Content: Click *Help Content* to view the **Help** file.

About: Click About to view the **About** window.

Connect a C5100 to the PC

To connect a C5100 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 C5100.

Connect a C5100 to BatteryStore



If the connection was successful, the C5100 is listed in the **Main** window.

Exit the BatteryStore Application

Cadex BatteryStore

To close the **BatteryStore** application:

From the **File** menu, select *Exit*. The **Exit** window appears.

BatteryStore	\mathbf{X}
Exit Ba	atteryStore?
Yes	No

Click Yes to exit BatteryStore.

Section 2: Test, Cycle and Charge Batteries

Perform a Battery Test



WARNING

Do not remove the C5100 battery adapter while the C5100 is running a test or updating the firmware.



Test results are retained on the C5100 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 Metho	ods
Test	Performs rapid battery tests using Cadex's QuickSort™. Classifies batteries into three ranges – Good, Low, or Poor. Approximately 30 seconds.
Charge	Charges a battery. Approximately 3 hrs.
Cycle	Cycles a battery with charge/discharge/charge and displays measured capacity as a percentage of the C- Code capacity rated value. Approximately 7 hrs.

A battery test contains the following steps:

- 1. Select the battery model or set the user specified rating.
- 2. Select the battery test.
- 3. Print the receipt or test report.

Step 1: Select the Battery Model

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

a. User Specify Rating: Input the nominal battery capacity mAh in the field (this information should be located on the battery label). Enter manufacturer and model information if desired.

Or

b. Select from Battery Models: Select a battery from the list. If your battery model cannot be located, use Option A.

Battery Models					
Manufacturers		~ [Show Favorite Only	Þ	
Manufacturer	Model	Favorite	Rating (mAh)	Alias Name	
Alcatel	3BN 66089 AAAB		600		OK
Alcatel	3DS 06232 AAAA		800		UN
Alcatel	3DS 06941 AAAA		600		
Alcatel	3DS 08832 ABAAHDZZA		825		Cancel
Alcatel	3DS04956AAAA		900		
Alcatel	3DS05627AAAA		650		
Alcatel	3DS07805AAAA		725		
Alcatel	3DS09499		950		
Aselsan	582019132001		600		
Aselsan	582019132002		1300		
Audiovox	201×TLSY		1400		
Audiovox	BTE-3600		1000		
Audiovox	BTR 4000		950		
Audiovox	BTR-1000		950		
Audiovox	BTR-1100/130		1000		
Audiovox	BTR-3300		950		
Audiovox	BTR-3500		1000		
Audiovox	BTR-8000		1000		
Audiovox	BTR-8200		950		
Audiovox	BTR-8300		900		
Audiovox	BTR-8400		900	(TT)	
Anderson	DTD 0500 DTD 0000		000	×	

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

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.



You can update the list of battery models by entering new models or downloading an updated database from the Cadex website (see Update and Backup the Battery Models Database).

The **Battery Models** window lists all available battery models. For each battery model, the window shows the manufacturer's name, the battery model's number, the rating, and the alias. 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.

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 C5100 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
- C5100 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

Т	Test Results								
	Test No.	Start Date	End Date	Manufacturer	Battery Model	Test Type			
	1	12/14/2010 5:59:12 PM	12/14/2010 5:59:43 PM	N/A	N/A	QuickSort	View		
	3	12/14/2010 6:10:15 PM	12/14/2010 6:10:47 PM	N/A	N/A	QuickSort	Drive		
	4	12/14/2010 6:26:27 PM	12/14/2010 6:26:59 PM	A	В	QuickSort			
	5	12/17/2010 2:45:30 PM	12/17/2010 2:46:05 PM	ABC	DEF	QuickSort	Export		
	7	12/17/2010 3:04:31 PM	12/17/2010 3:05:07 PM	Alcatel	3DS05627AAAA	QuickSort			
	8	12/20/2010 12:59:47 PM	12/20/2010 1:00:24 PM	Alcatel	3DS05627AAAA	QuickSort	Save As		
	9	12/20/2010 1:01:54 PM	12/20/2010 1:02:40 PM	Alcatel	3DS05627AAAA	QuickSort			
	10	12/20/2010 1:07:45 PM	12/20/2010 1:08:17 PM	Alcatel	3DS05627AAAA	QuickSort	Delete		
	11	12/20/2010 1:11:52 PM	12/20/2010 1:12:26 PM	Alcatel	3DS05627AAAA	QuickSort			
	12	12/20/2010 1:17:12 PM	12/20/2010 1:17:45 PM	Alcatel	3DS05627AAAA	QuickSort	Summary		
	13	12/20/2010 1:22:01 PM	12/20/2010 1:22:33 PM	Alcatel	3DS05627AAAA	QuickSort			
	14	12/20/2010 3:05:24 PM	12/20/2010 3:05:58 PM	Audiovox	BTX-9500	QuickSort			
	15	12/20/2010 4:39:01 PM	12/20/2010 4:41:09 PM	N/A	N/A	Charge			
	16	12/20/2010 4:43:22 PM	12/20/2010 4:45:35 PM	N/A	N/A	Charge			
	17	12/20/2010 4:46:12 PM	12/20/2010 4:48:36 PM	N/A	N/A	Charge			
	18	12/20/2010 4:58:52 PM	12/20/2010 4:59:27 PM	N/A	N/A	QuickSort			
	19	12/20/2010 4:59:34 PM	12/20/2010 5:03:25 PM	N/A	N/A	Charge			
	20	12/20/2010 5:03:40 PM	12/20/2010 5:06:53 PM	N/A	N/A	Charge			
	21	12/20/2010 5:12:31 PM	1/1/2001 12:00:00 AM	N/A	N/A	QuickSort			
	22	12/20/2010 5:14:24 PM	12/20/2010 5:17:07 PM	N/A	N/A	QuickSort			
	23	12/20/2010 5:17:14 PM	12/20/2010 5:17:45 PM	N/A	N/A	QuickSort	9		
<						>	Select / deselect all		
Se	earch					470000			
1	Manufacturer		✓ Test Date:		_				
	Model		✓ From:	1/25/2011	~	Apply			
	Test Result		V To:	1/25/2011	*				

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		
🍇 📕		
	Looder in quelty and innovation for particle payor pystems	^
CADEA, Wond	header in quality and innovation for portable power systems	
Test ID	4	
Start Time	12/14/2010 6:26:27 PM	
End Time	12/14/2010 6:26:59 PM	
Manufacturer	N/A	
Battery Model	N/A	
Site ID	Cadex	
Company Name	Cadex Electronics	
Phone	604-565-5228	
Street	22000 Fraserwood	
City	Richmond	
Province	BC	
Country	Canada	
Postal Code	V6W 1J6	
Email	support@cadex.com	
Website	www.cadex.com	
User ID	N/A	
Test Type	OuickSort	~

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

Export Report D)ata					? 🔀
Save in:	Petwork Drive	(Y:)	•) 😰	• 🖭 🖻	
My Recent Documents						
Desktop						
My Documents						
My Computer						
	File name:	export			~	Save
My Network	Save as type:	Excel file (*.xls)			*	Cancel

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

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.

Report Save As					? 🗙
Save in:	Petwork Drive	• (Y`.)	💌 😋 🖉	t 📂 🛄 -	
My Recent Documents					
Desktop					
My Documents					
My Computer					
	File name:	Report		~	Save
My Network	Save as type:	PDF files (*.pdf)		✓	Cancel

In the *File Name* field, type a name for the report and click **Save**. The test result report may be saved in PDF, HTML, and text 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, 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.



NOTE

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, QuickSort, Charge, and Cycle.

Section 4: Configure BatteryStore[™] 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.

ieneral	 Site Inforr 	mation Setup			
ite Information Printer Setup Report Template	Site ID	Cadex			New
	Company Name	Cadex Electronics			
) atabase	Street	22000 Fraserwood			Select Site
attery Models	City	Richmond	State/Province	BC	Export
faintenance	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			

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 information sites, click the **Database** tab and then click the **Site Information** menu item. The **Site Information Setup** window appears.

ieneral	 Site Inforr 	mation Setup			
Site Information Printer Setup Report Template	Site ID	Cadex	4		Neu
	Company Name	Cadex Electronics			14699
Database	Street	22000 Fraserwood			Select Site
Battery Models	City	Richmond	State/Province	BC	Export
Maintenance	Zip/Postal Code	V6W 1J6			Import
	Country	Canada	1//		
	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.

latteryStore Options					? 🛛
General Site Information Printer Setup Report Template Database	Site Inform Site ID Company Name Street	nation Setup			New Select Site
Battery Models Maintenance	City Zip/Postal Code	N/A N/A	State/Province	N/A	Export Import
	Country Email Web Site Phone Message Tagline	N/A N/A N/A N/A N/A N/A N/A			
				ОК	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.

Select Site Inf	ormation	⊳	? 🛛
Site ID	Company Name	Default	
Cadex	Cadex Electronics		
Cadex 3	Cadex Customer Site3	[
Cadex 4	CAdex Site 4		
Chase1	Chase Electronics		
	Delete	ОК СА	ancel

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.

ave As					? 🛛
Save in:	📋 My Documents	3	💌 G 🕫	🖻 🛄 -	
My Recent Documents Desktop My Documents	Downloads	ls			
	File name:			· [Save
My Network	Save as type:			▼	Cancel

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.



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		? 🔀
AtteryStore Options General Site Infomation Printer Setup Report Template Database Battery Models Maintenance	Printer Setup PC Pinting Option Select Printer Print Mode Disabled Default Receipt Pinter Change PC Pinter PC Printer	? ×

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: Microsoft XPS Document Writer Status: Ready Type: Microsoft XPS Document Writer Where: XPSPort: Comment: Comment:	Properties
Print range All Pages from: to:	Copies Number of copies: 1 1 2 3 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 *C5100 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.

General 🔶	Report	Template		
Site Information	- Beport Tem	late		
Printer Setup	Toport Form	Fields N		
Report Template		Test ID		
		Start Time		
Database 🔺		End Time		Movelln
		Manufacturer		
Sattery Models		Battery Model		
Maintenance		Site ID		Move Down
		Company Name		
		Phone	_	
		Street		
		City		
	Image: A start of the start	Province		
	Image: A start of the start	Country		
		Postal Code		
		Email	-	Select / deselect all
		ladat ta	020	
		C World leader in quality and innovation for portable powe	er systems	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, BMP, or GIF 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

C5100 Setup

The **C5100 Setup** window is used for C5100 receipt printing and firmware upgrades. The information in the **C5100 Setup** window is used when printing receipts in Standalone Mode.

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

<i>()</i>	Cadex BatteryStore _ = = ×					- = x		
File	Test	Results	Options	C5100 Setup Help				
C5100 Status	C5100 S	tatus	4	C5100 Se C5100 Equipment ID	etup		Set 💦	
				Print Mode	Disable		Set	
				C5100 Printer Setup)			
				Company Name	Cadex Electron	nics	Update	
				Site Name	Cadex			
				Street	22000 Fraserwi	ood		
				City	Richmond	BC		
				Phone	604-565-522	:8		
				Website	www.cadex.co	om		
				Tagline	Battery Analys	ser		
				Message	C5100 Teste	ar j		
				Date and Time	1/18/2011 7:45:25 AM			

In the *Equipment ID* field, type an identification number to associate with the selected C5100.

A printer can be connected to the C5100 to print 2 ¼" receipts. Click the DOWN ARROW in the *Print Mode* field and select the printer option, as follows:

- *Disable*: A printer is not connected to the C5100 or the 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.

In the C5100 Printer Setup section of the C5100 Setup window,

The **Site Information** window should be filled out first as this information is automatically transferred to the **C5100 Setup** window by default. Click **Update** to save the information.

The date and time displays the PC time and is automatically sent to the C5100 for printing.

Firmware Update

The *FW Version* field displays the version of the firmware installed in the connected C5100.

Note: BatteryStore identifies if your C5100 firmware is out of date (see figure below) during a connection. Update the C5100 firmware to ensure correct operation of **BatteryStore**.



Select the update button. Follow the Firmware Utility directions.



Do not remove the C5100 battery adapter while the C5100 is running a test or updating the firmware.

Section 6: Update and Backup the Battery Models Database

Battery Models Update

To Update the Battery Models database:

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

BatteryStore Options		? 🛛
General 🔺	Battery Models Update	
Site Information Printer Setup Report Template	Battery Models Configuration File Model File Browse	
Database 🔺		
Batery Models Maintenance	Options Add new models only Add new models and overwrite existing models Update Cancel	

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



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.

Update Batter	y Models 🛛 🔀
😲 Update	e battery models?
ОК	Cancel

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

teryStore Options			? 🌔
General	•	Battery Models Update	
Site Information Printer Setup Report Template		Battery Models Configuration File Model File Browse	
Database	•		
Battery Models Maintenance		Options Add new models only Add new models and overwrite existing models Update Cancel	
		OK	

A progress bar appears to indicate the update process.

The **Battery Models Updated** window appears, showing the number of battery models that were updated and the number of battery models that were added.

Battery	Models Update 🛛 🛛 🔀
•	0 models updated. 223 models added
	ОК

6. 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, click the **Options -> Maintenance**. The **Database Maintenance** window appears.

BatteryStore Options	20
BatteryStore Options General Site Information Printer Setup Report Template Database Battery Models Maintenance	Database Maintenance Backup Database Backup Path [uments and Settings\All Users\Application Data\Cadex\BatteryStore] Browse Frequency 7 Days
	OK Cancel

The backup copy of the battery models database is stored by default in the *C:\Documents and Settings\All Users\Application Data\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.

Cadex Electronics Inc. is an established global leader in battery management products. With 30 years of experience developing and commercializing technologies for testing and servicing batteries, Cadex has delivered solutions to many of the world's largest companies in diverse industries that include radio and wireless communications, medical devices, portable computing, and aviation.

Cadex is also the lead sponsor for BatteryUniversity.com, the preeminent source for general battery information available on the web (www.batteryuniversity.com).



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