



WC Report Quick Start Guide



THE INTENT OF THIS GUIDE IS TO HELP A FIRST TIME USER GET STARTED WITH THE HAWKER BBWC REPORT SOFTWARE. THIS GUIDE WILL COVER THE BASICS TO ESTABLISH COMMUNICATION WITH A BATTERYBOSS WC BATTERY MONITORING DEVICE. MORE INFORMATION CAN BE FOUND IN THE "USER HELP" INCLUDED WITH THE SOFTWARE.

Hawker Power Report Suite

The Hawker Power Report package contains the following items:

- ✓ BatteryBoss WC USB key
- ✓ BBWC Report installation CD
- ✓ USB extension cable

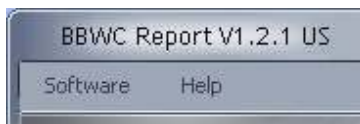
Installing the Software

- 1) Insert the BBWC Report installation CD in the CD drive. The installation utility will automatically start.
- 2) From the BBWC Report Installation menu, select "Install WC Report".
- 3) Select the language you wish to use for the installation process (English or Francais).
- 4) Follow the Setup instructions.
- 5) Restart the computer when installation is complete and remove the CD from the CD drive.

Getting Started

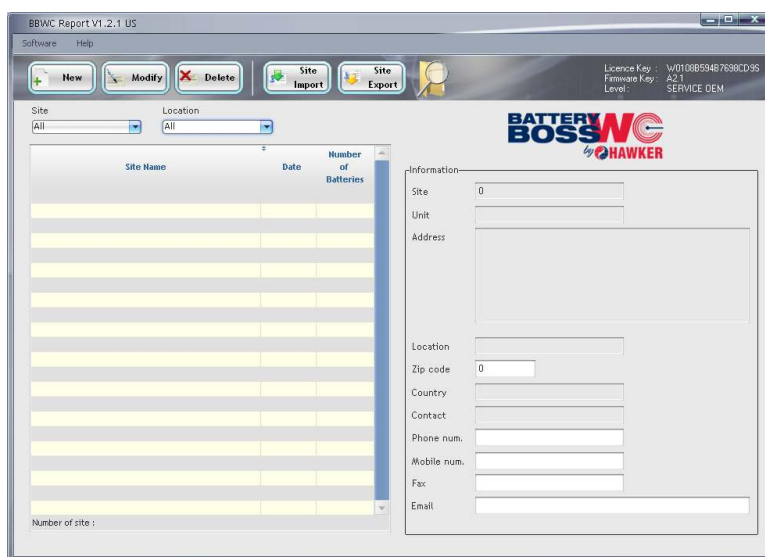
- 1) Attach the USB key to the computer, the program will not start if the USB key is not attached.
- 2) Launch the "WC Report" program by double clicking the desktop icon or Start->Programs->WC-Report->WcReport.
- 3) Once the software is started go to Software->Language->US. This sets the measurement units to American and the date format to mm/dd/yyyy.

NOTE: THE WC REPORT PROGRAM INCLUDES A COMPREHENSIVE "USER HELP" GUIDE WITH DESCRIPTIONS OF FEATURES AND FUNCTIONS OF THE PROGRAM. TO OPEN USER HELP CLICK ON <?> (HELP MENU) THEN SELECT <USER HELP>.





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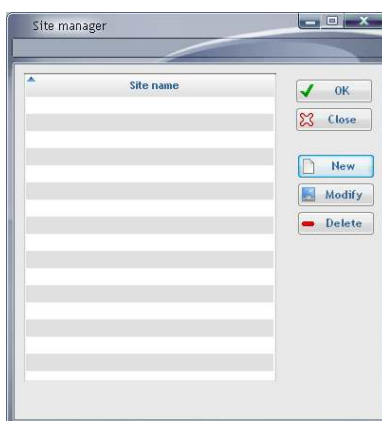


- 4) The first Window is the “Site List” Window. A site must be created, to do that click on <New> in the upper left side.

- 5) In the edit Site window, click on the green “+” next to “Site”.



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- 6) In the Site Manager window, select <New>. Type in the site name and select <OK>. Select <OK> in the Site Manager window.

Site: CHARGER ENGINEERING

Location: CLEVELAND

Unit: HAWKER APPLICATIONS

Operator: Mike Eckart

Date: 06/19/2009

Customer Information:

Contact: Michael J. Eckart

Address: 12690 Elmwood Ave.
Cleveland, OH

Zip code: 44111

Phone num.: 216-889-2330

Mobile num.: 216-870-0353

Fax: 216-941-4330

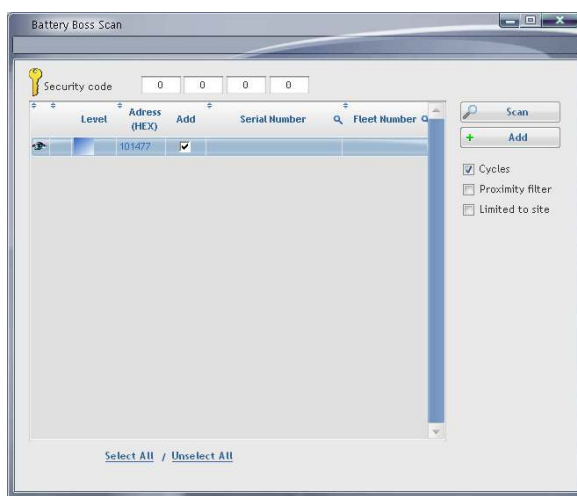
Email: michael.eckart@enersys.com

- 7) Repeat steps 4 and 5 for the "Location" field. "Site" and "Location" are the only *required* fields in the edit Site window. The rest are optional, fill them in as applicable.





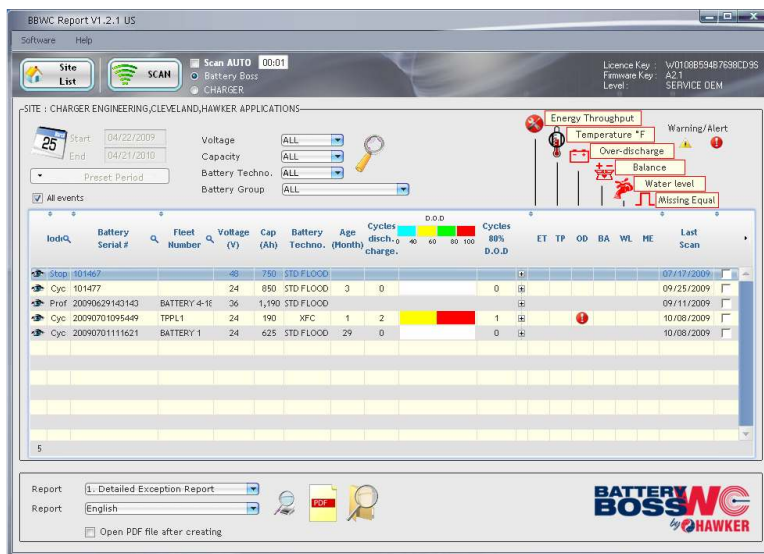
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- 10) All BatteryBoss WC devices within range will be listed in the Battery Boss Scan window. Make sure the check box in the “Add” column is checked. Click <Add> on the right hand side of the window.

NOTE: THE “LEVEL” COLUMN IN THE BATTERY BOSS SCAN WINDOW INDICATES HOW STRONG THE SIGNAL IS BETWEEN THE PC AND BBWC. LOW SIGNAL STRENGTH MAY LEAD TO INTERRUPTIONS IN COMMUNICATION BETWEEN THE BBWC AND THE PC. THE SPECIFIED RANGE IS 100 FEET IN FREE SPACE, ANY OBSTACLES BETWEEN THE BBWC AND THE USB KEY ON THE PC MAY INTERFERE WITH THE SIGNAL.

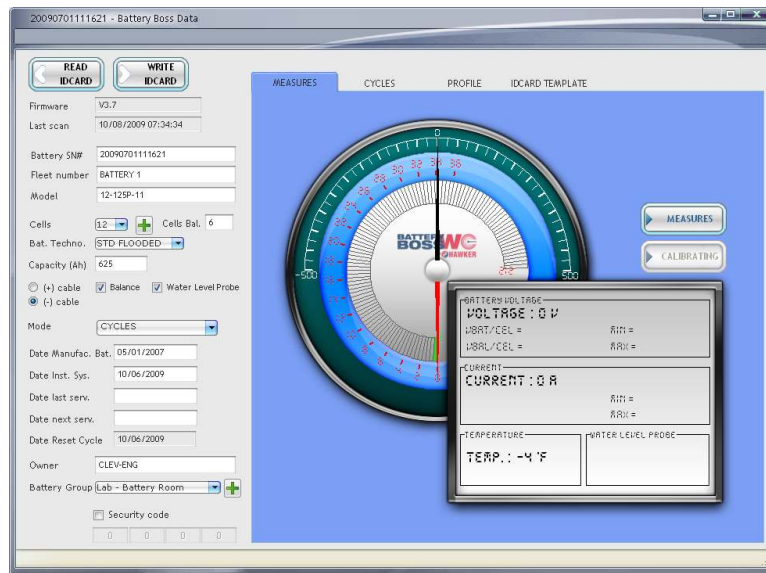
- 11) Once the download of all the BatteryBoss WCs is complete, close the Battery Boss Scan window.



- 12) In the Site Details window double click on a BatteryBoss WC device from the list.



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- 13) In the Battery Boss Data window, update battery information fields as applicable. The Capacity (Ah), Date Manufac. Bat., and Date Inst. Sys. fields are **required**.
- 14) Make sure the Cells Bal. field has the correct number of cells between the battery positive and Cell balance lead.
- 15) Click the <WRITE> button to update the information in the BatteryBoss WC.

Downloading Data

- 1) If communicating with a BatteryBoss WC (BBWC) for the first time, click <SCAN> in the Site Details window.
- 2) All BatteryBoss WC devices within range will be listed in the Battery Boss Scan window. Make sure the check box in the "Add" column is checked. Click <Add> on the right hand side of the window, all data stored in the BBWC will be downloaded.

NOTE: THE "LEVEL" COLUMN IN THE BATTERY BOSS SCAN WINDOW INDICATES HOW STRONG THE SIGNAL IS BETWEEN THE PC AND BBWC. LOW SIGNAL STRENGTH MAY LEAD TO INTERRUPTIONS IN COMMUNICATION BETWEEN THE BBWC AND THE PC. THE SPECIFIED RANGE IS 100 FEET IN FREE SPACE, ANY OBSTACLES BETWEEN THE BBWC AND THE USB KEY ON THE PC MAY INTERFERE WITH THE SIGNAL.

- 3) Once the download of all the BatteryBoss WCs is complete, close the Battery Boss Scan window.
- 4) When a Battery Boss WC has been scanned one time, it will be listed in the Site Details window. To view data double click a BatteryBoss WC device from the list.



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20090701095449 - Battery Boss Data

READ IDCARD **WRITE IDCARD**

Firmware: V3.7
Last scan: 10/08/2009 07:49:35

Battery SN# 20090701095449
Fleet number TPPL1
Model 12V-XV95
Cells 12 Cells Bal. 6
Bat. Techno. XFC
Capacity (Ah) 190
☐ (+) cable ☐ Balance ☐ Water Level Probe
☒ (-) cable
Mode CYCLES
Date Manufac. Bat. 09/04/2009
Date Inst. Sys. 10/05/2009
Date last serv.
Date next serv.
Date Reset Cycle 10/05/2009
Owner CLEV-ENG
Battery Group Engineering
☐ Security code
0 0 0 0 0

MEASURES **CYCLES** **PROFILE** **IDCARD TEMPLATE**

Reset Cycles

CYCLE #	Start of Discharge	Start Disc. Vbat/cell (V)	Start Disc. Temp (T)	Disch. Time	Disch. Ah	Average Temp. (T)	Dis. Energy (kWh)	End of Discharge
03	10/08/2009 07:34:00	2.28	21	03h11	6	68	0.1	
02	10/07/2009 08:07:00	2.13	71	03h21	120	71	2.9	10/07/2009 11:30:00
01	10/05/2009 12:41:00	2.14	68	02h59	84	68	2.1	10/05/2009 15:46:00

Start Discharge : 10/08/2009@07:34
VbatCell = 2.28V / T(°F) = 21
Ah = 6
Energy (kWh) = 0.12
VbatCell min = 2.05V
Aver. T(°F) = 68
Time = 00h11

Start Charge :
VbatCell = 0V / T(°F) = 0
Ah = 0
Energy (kWh) = 0
Vbat end (V) = 0
I end (A) = 0
T(°F) end = 0
Time = 00h00

After charge (Equalization)
Ah = 0
Energy (kWh) = 0
Time = 00h00

- 5) To view data from the BBWC, click on the <CYCLES> tab if the BBWC is in “CYCLES” mode or click on the <PROFILE> tab if it is in “PROFILE” mode.
- 6) If the BBWC was not just scanned, the most recent data can be downloaded by clicking on the <Load Data Cycles  > icon.
- 7) Once the data is downloaded, it can be exported to a CSV (used with Excel). There are also several reports in the Site Details window that can be printed or saved as a PDF.