

## Data Logging Visualisation & Browsing



*With up to 100 channels using BroadWeigh wireless shackles or wind speed sensors. View, log and browse data on demand, set visual and audible alarms.*

### Introduction

BW-LOG100 has been designed to allow the viewing and logging of up to 100 channels of data from the BW Wireless Telemetry range. Complimenting BW-LOG24, this software is licensed and is provided with customised corporate branding, allowing users to create their own unique BW software package for distribution.

BW-LOG100 can log on demand, at pre-set intervals, on entering and leaving a pre-set overload and during an overload. Visual displays and audible alarms can indicate under and over range as well as loss in communications.

The mapping function allows the construction of graphically rich custom views into your data (import a wide range of graphics/images and customise the labelling).

The software also incorporates a built in web server to provide a summary view page to other computers, tablets, iPads and smartphones etc.. using a standard browser.

### Specification at a Glance

- View and log up to 100 channels at once
- Defined algorithms and maths function
- Web server allows remote viewing on tablets, iPads, smartphones
- Import graphics (picture/drawing/schematic) to display data readings
- Logging at timed intervals, manual or on overload/underload
- Ability to customise software to match corporate colour scheme
- Visual and audible alarms indicators (over and under load)



## User Benefits

- View and log up to 100 channels at once
- Mapping / graphical capabilities
- Remote browser viewing via built-in webservice
- Data in CSV format
- Customised branding
- Licensed software
- Compliments BW-LOG24
- Quick & easy to install
- Windows based

## Ideal Application

- Outdoor Events
- Concerts
- Conferences
- Trade Shows
- Religious Venues
- Theatres
- Sports Arenas

## Related Products



**BW-HR Handheld Wireless Display**  
LCD reading from an unlimited number of shackles



**BW-S325 & 475 Shackles**  
BroadWeigh wireless Crosby Safety Bow Shackles



**BW-BSue**  
Extended range wireless radio telemetry USB Base Station



**BW-AR**  
Active repeater to extend wireless range or coverage

## Case Study

### The Application:

Load monitoring is an essential process for both the build and setup process as well as during an event as temporary structures for special events are not only becoming larger and more complex, they are also more commonplace and having greater loads applied to them. In addition they are being exposed to ever-changing and less-predictable weather patterns. The constant monitoring of actual rigging loads, weight distribution and wind speed allows operators to make informed decisions regarding the stability of a structure.

### The Solution:

A set of 16 BroadWeigh shackles was used to monitor key points on the stage system such as chain hoist locations, grid hanging points and tensioned steel tie lines.

The values from all 16 load cells were gathered using a single PC running the BroadWeigh logging software

(BW-LOG100) which had been customised with the rigging company's logo and values were displayed visually by importing a graphical image of the stage.

The values were also monitored on a smartphone or tablet via the web server, providing a summary view page and allowing more flexibility for the viewing of data onsite.

Each input could be individually zeroed and audible alarms set to not only monitor the total loads but also the changes in load during adverse weather conditions (over load and under load) as well as allowing the monitoring of the inertial effects of multiple moving-head lights. This ensured the structure stood firm during the wettest and wildest of festivals.



## Software Specifications

### Minimum Software Requirements:

Dual Core 1.8 GHz processor

### Operating System Requirements:

Windows XP, Vista, Windows 7 or 8  
The software does not take advantage of 64 bit operating systems nor direct advantage of multi core processors but is compatible with both.

### Licence Types:

Commercial and End User

*For more information contact us today...*

www.broadweigh.com  
info@broadweigh.com  
Devon, EX5 2JB, UK  
T: +44 (0) 1395 232020  
F: +44 (0) 1395 233190



In the interests of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice

## Resource Links

- **24 Channel Logging Software - [Download Now](#)**  
This software release for Windows allows up to 24 channels of the BroadWeigh shackle data viewed and logged to a CSV file. You can configure the number of channels, single module or summed channels, communications settings, main title and the channel descriptions and these configurations can be saved and loaded at any time.
- **BroadWeigh Toolkit - [Download Now](#)**  
This toolkit allows configuration, calibration and testing of the BroadWeigh range of 2.4GHz telemetry products.
- **Bulk Update Multiple Parameters - [Download Now](#)**  
Simple calibration software
- **BroadWeigh User Manual - [Download Now](#)**  
User guide for the entire BroadWeigh product range from setup, installation to advanced features.



All software is available to download at <http://www.broadweigh.com/support.html>

For technical support please contact [technical@broadweigh.com](mailto:technical@broadweigh.com)