



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.*



### User Benefits

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

### Introduction

The BroadWeigh logging & viewing software (BW-LOG100) has been designed to allow the visualisation and data logging of up to 100 channels of data from the BroadWeigh wireless telemetry range.

The software 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)

### 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.

They 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

|                                       |                             |                                       |   |
|---------------------------------------|-----------------------------|---------------------------------------|---|
| <b>Minimum Software Requirements:</b> | Dual Core 1.8 GHz processor | <b>Operating System Requirements:</b> | Windows XP, Vista, Windows 7 or 8<br>The software does not take advantage of 64-bit operating systems or direct advantage of multi core processors but is compatible with both. |
| <b>Licence Types:</b>                 | Commercial and End User     |                                       |   |

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