



The BroadWeigh BSue base station is provided with a rugged IP65 housing and an increased range of 200 m (650 ft)

Introduction

The BW-BSue offers line of sight range of up to 200 metres for all BW acquisition modules. It draws power from the USB bus and therefore no further components are required to configure and control remote devices from a PC.

The BW-BSue is supported by not only the BW-Toolkit but also with a .dll (Dynamic Link Library) allowing customers using VB (Visual Basic) to develop their own custom software for their applications.

Specification at a Glance

- Provides wireless data acquisition from BW acquisition modules
- Configures any BroadWeigh telemetry module via USB
- Powered from USB
- Up to 200 m (650 ft) range
- IP65 / NEMA 4 rated enclosure dimensions 59 x 76.6 x 29 mm

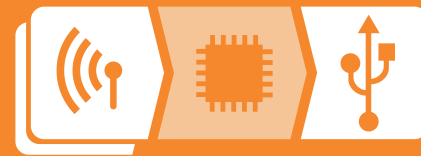


User Benefits

- Up to 200 m (650 ft) range
- Simple plug & play USB
- Configure & calibrate the BroadWeigh range
- IP65 /NEMA 4 rated enclosure

Ideal Application

- Theatre & Events
- Outdoor Events
- Concerts
- Conferences / Trade Shows



Related Product



BW-HR Handheld Wireless Display
LCD reading from an unlimited number of strain gauge, current, voltage, temperature, pulse and potentiometer acquisition modules



BW-WSS
Wireless wind speed sensor



BW-SHK
BroadWeigh wireless 4 3/4 ton Crosby Safety Bow Shackle



BW-AR
Active repeater to extend wireless range or coverage

Related Software



BW-Toolkit
Software used to calibrate and configure your devices



BW-LOG100
Extended range wireless radio telemetry USB base station

Case Study

The Application:

Fire curtains are a key part of fire safety in any theatre and the ability to rapidly drop-in and pull-out the curtain not only offers safety to audience members in case of fire but also the facility to reset the curtain quickly in case of false triggering with minimal disruption to a performance. Fire curtains by their nature are very heavy and understanding the dynamic loading effects of moving such a weight at speeds is critical to designing an effective hoist system.

The Solution:

In order to understand the loads involved in moving the fire curtain, a BroadWeigh shackle was rigged into the

hoist line of the curtain. The BroadWeigh shackle was set to transmit readings at a rate of 50 samples per second, to capture peak loads, and the data from the shackle



was collected through a BSUe USB base station attached to a PC running display and logging software. The data could be simultaneously viewed on the handheld provided in the kit.

CE & Environmental

Storage temperature	- 40 to +85°C
Operating temperature	- 40 to +85°C
Relative humidity	95% maximum non condensing
IP Rating	IP65 / NEMA 4

CE Environmental Approvals

European EMC Directive	2004/108/EC
Low Voltage Directive	2006/95/EC

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