



## Brower Ski and Snowboard Timing

### Bib ID XS System

The Bib ID XS is the newest generation of wireless timing from Brower Timing Systems. The system is portable, easy to set up, and simple to run. The Bib ID XS System offers increased dependability with the newest feature including crystal synchronization, which means that the Wand and the Finish Beam are calibrated to the Timer when powered on. The system also includes 32 channels, allowing multiple systems to be used at the same time without interference. There are also multiple power settings that cover any length course up to 5 miles (8 km). The system also has multiple programs which allow the user to customize the system to their training needs.



#### **Features:**

**Multiple Channels-** There are 32 independent channels which allow multiple systems to be used in close proximity without interference from other XS systems and radio devices.

**Multiple Power Settings-** There are three transmission distance settings for: Slalom, Giant Slalom, and Downhill length courses. These power settings allow the user to customize where the units are on the hill.

**8 Timing Programs-** There are eight different timing programs that enable the system to be customized to the needs of the racers.

**Exact Crystal Synchronization-** With precise crystal matching, (+/-) 1/1000 second accuracy can be maintained from unit to unit for over 4 hours, over the full range of temperatures experienced in skiing.

**Lifetime Frequency Recalibration-** The XS system re-calibrates itself each time it is powered on, eliminating the need for future tune-ups.

**Bib Number Tracking and Storage-** Racer's times are displayed and stored by their bib number. Up to 255 times can be stored on the system then downloaded to a PC with the USB Interface XS.

**Full Time Back-up Timing-** The Wand and the Photocell automatically save starts and finishes independent of the Timer that can be accessed with the USB Interface XS (sold separately).

**Day Time Input-** This feature allows you to enter the Day Time into the XS Timer, so that all the timing information sent to the computer is referenced to the time of day.

**Portable-** The entire system weighs just 6 lbs. (3 kg.) and comes in a small lumbar pack.

**Extended Battery Life-** The XS System runs on standard three AA alkaline batteries that last up to 200 hours under typical use.

## Technical Information

<b>Radio Frequency</b>	433.425 MHz, 25kHz spacing	<b>Power Source</b>	Three AA alkaline batteries
<b>Modulation Method</b>	FM.FSK. 32 Channels	<b>Transmission Distance</b>	5 miles (8 km) line of sight
<b>Temperature Rating</b>	-20 degrees C	<b>Memory Capacity</b>	All components store 255 skiers times
<b>Receiver Sensitivity</b>	.18uV	<b>CE Certified</b>	CE0408!
<b>Transmitter Power</b>	Low 10mW, High 135 mW	<b>Weight</b>	6 lbs (3 kg)

## Add-ons

### Intermediate Beam XS

Add up to three Intermediate XS Beams to a course to get split times. The Intermediate Beams are synced to the Bib ID System which calibrates them with each use.



### XS Display

The XS Display is a great addition to the Bib ID XS System. It can be easily set up at the end of the course so that racers can have instant feedback on their results. The digits are four inches and can be seen from 100 feet.

### USB Interface XS

The USB Interface XS is used to transfer data from the Timer, Wand, and Photocell to a computer. Data can be downloaded in three ways. The first is through a direct link transfer. This method will show the times on the computer as they are received from the Timer. The second method is to download the times from the Timer at the end of a race. The third method is to download the times stored on the Wand and Photocell(s). These times are reference times which are set when the system is synced. Matching up the starts, splits and finishes will give the total times for the racer. This is a built in back-up feature should any of the times be missed by the Timer.



### Dual Adder

The dual adder is added to the Bib ID XS System to create another race lane. This is a popular addition to facilitate slalom races or to speed up training without adding an entire system.

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