

Overview

The RBB7 bicycle counters accurately count cyclists and ignores pedestrians. All bicycles are detected irrespective of whether they are constructed of steel or alloy.

The RBB7 is suitable for paths up to 3 metres wide but can be configured for paths up to 4 metres.

We have developed the RBB7 using RadioBeam technology to provide accurate and reliable counting under all weather conditions. They are robust and suitable for rugged situations. The unit self-calibrates to give optimal performance at all times.

The system consists of a 2-part transmitter unit and 2-part receiver unit. Each unit has a control box connected to the bike antenna. The bike antenna is buried next to the path, hidden amongst rocks or placed up to 30 cm above ground. The control boxes are installed on either side of the path and there is no cabling between them.

The RBB7 was developed in 2007 to reduce the power consumption and the size of our previous bicycle counter (RBB4).

Options

Data loggers enable the download of data onto a PC and the set-up of variable counting periods.

Wireless connection allows for the continuous download of data onto a PC.

Protective housing provides additional protection from the elements and has vandal-proof screws

Wooden or metal mounting posts incorporate the control box and batteries.

Additional bicycle counters

Bicycle-People and Bicycle-People-Horse multi-category counters separately counts each category of user.

Features

- ♦ Counts all cyclists and ignores pedestrians
- ♦ Uses our unique and proven RadioBeam technology
- ♦ Small and inconspicuous system
- ♦ No cable between units
- ♦ Beam passes through wood, plastic, soil, rock, etc
- ♦ Self-calibrating
- ♦ Data logger or wireless system available
- ♦ Mounting posts or protective boxes available

Benefits

- ♦ Specific for monitoring cyclist usage
- ♦ Reliable all-weather operation
- ♦ Ideal for wide paths, trails, tracks, etc
- ♦ Suitable for all surfaces - no path disturbance
- ♦ Easily hidden from view
- ♦ Long battery life - no other maintenance
- ♦ Easy to install and vandal resistant
- ♦ Data displayed on screen or downloadable onto PC

Target Applications

- ♦ Bicycle tracks and trails
- ♦ Long distance cycle routes
- ♦ Forestry tracks, rough and paved paths
- ♦ Urban green-ways
- ♦ Mountain biking centres



RadioBeam Bicycle Counter

Specifications

Technology:	RadioBeam
Units:	Transmitter and receiver control unit attached to the bike antenna
Track width:	3 metres, configurable to 4 metres (higher power unit)
Housing:	
Control boxes:	Polycarbonate
Bike antenna:	Fully encapsulated
Dimensions:	
Transmitter control box:	80 mm x 86 mm x 55 mm
Receiver control box:	120 mm x 122 mm x 55 mm
Bike Antenna	220 mm x 27 mm
Waterproofing:	BS IP67.
Batteries:	
Transmitter control box:	8 D cells alkaline (life >12 months)
Receiver control box:	4 D cells alkaline (life >12 months)
Indicators and controls:	
Transmitter control box:	Battery check LED Magnetic switch to turn on LED
Receiver control box:	6 digit LCD display (if supplied without logger) Bike detection and beam 'unlocked' LED Sensitivity control Battery check LED Magnetic switch to turn on LEDs Magnetic switch to reset display

Options:

Data Logger (2X)	Records date, time and counts for download to PC
Wireless unit	Wireless link to PC for continuous download of count data
Protective housing	Provides high vandal resistance and additional protection from the elements
Wooden or metal mounting posts	Incorporate the control box and batteries



Transmitter



Receiver



Bike antenna