

## Overview

Our Bicycle-People counting system (RBBP7) counts cyclists and pedestrians separately, providing count information for each type of user. The standard unit is suitable for paths up to 3 metres wide, but it can be configured for paths up to 4 metres if required. It is suitable for use on all type of cycle tracks, but it is not recommended for use on cycle tracks immediately adjacent to roads.

We have developed the RBBP7 using dual frequency RadioBeam technology which provides accurate and reliable counting under all weather conditions. The system is highly vandal-resistant and can be installed discretely. The system does not have visible sensors that have to be kept clean.

The system consists 2 control units which are placed on either side of the path. The RBBP7 is normally supplied with either our protective housing or wooden or metal posts. If supplied with protective housing, all elements, including the bicycle antenna are contained within the housing and this allows the system to be easily moved.

If the system is supplied with posts, the system is contained within the post with the bike antennae connected to the control unit by a cable. The bike antenna can be installed at a distance from the posts and is normally buried next to the path, hidden amongst rocks, etc.

Installation is straightforward and there is no path disturbance or cable between units. The units are easily aligned using the indicators. There is no maintenance other than infrequent battery replacement.

## Options

Data loggers enable the counts to be related to the date and time and the download of data onto a PC.

Wireless connection allows for the continuous download of data onto a PC with date/time stamp.

## Additional bicycle counters

RadioBeam Bicycle-People-Horse system separately counts each category of user.

RadioBeam Bicycle counter counts only cyclists.

## Features

- ◆ Separately counts cyclists and pedestrians
- ◆ Dual frequency RadioBeam technology
- ◆ Long sensing distance
- ◆ Suitable for all types of paths
- ◆ Beam passes through wood, plastic, etc
- ◆ Self-calibrating
- ◆ Optional: data logger or wireless system
- ◆ Optional: mounting posts or protective boxes

## Benefits

- ◆ Monitors both cyclist and pedestrian 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 & People Counter

## Specifications

Technology:	Dual RadioBeam
Units:	Transmitter and receiver units.
Antenna:	Bike antenna is either external to the units or internal. The people antenna is contained within the units.
Track width:	
Bikes	3 metres maximum for standard model 4 metres maximum for high power configuration
People	5 metres
Housing:	
Transmitter & Receiver:	Robust polycarbonate
External bike antenna:	Fully encapsulated
Dimensions:	
Transmitter:	80 x 86 x 55 mm
Receiver:	120 x 122 x 55 mm
External bike antenna	220 x 27 mm
Waterproofing:	BS IP67.
Batteries:	
Transmitter:	8 D cells alkaline (life > 12 months for standard settings)
Receiver:	4 D cells alkaline (life > 12 months)
Indicators and controls:	
Transmitter:	Battery check LED Magnetic switch to turn on LED
Receiver:	Two 6 digit LCD displays (if supplied without logger) Bike detect and signal 'lock' LED Bike sensitivity control People beam strength and battery check LED Magnetic switch to turn on LEDs Magnetic switch to reset display
Approvals:	UK DTI approved to MPT 1349
<b>Options:</b>	
Data Logger (2X)	Records date, time and counts for download to PC via a USB lead.
Wireless unit	Wireless link to PC for continuous download of count data
Protective housing	Provides high vandal resistance and additional protection from the elements. Security screws. Contains control unit, batteries, bike and people antennae.
Wooden or metal mounting posts	Incorporate the control box, batteries. antenna cable



Transmitter



Receiver



External bike antenna