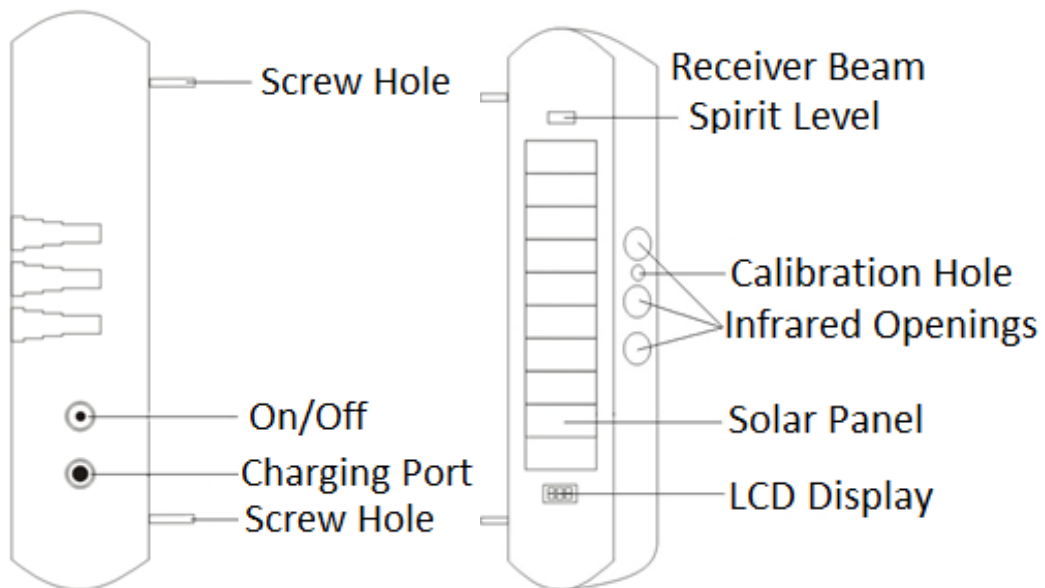
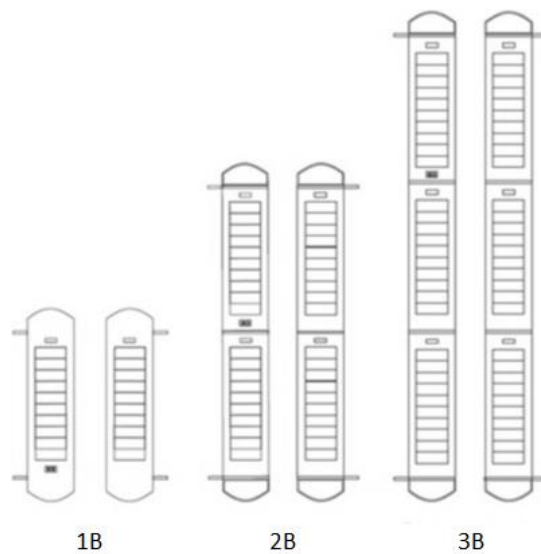




9-10 Ryehill Court, Lodge Farm Ind.Est.  
New Duston, Northampton NN5 7EU  
United Kingdom  
[www.ultrasecuredirect.com](http://www.ultrasecuredirect.com)  
Registered in England No: 04680858/ Vat No: 808117836

## Infrared Beam Instructions for 1B, 2B and 3B



To use the charging port remove the red bung and plug a 5-12V DC power supply in.  
The on/off button will light up green when charging.

## Setup Instructions

When you turn the beams ON you will hear 3 long tones.

When you turn the beams OFF you will hear 1 long tone.

This will allow you to hear if you are turning the beams on or off.

Before fitting outside, plug in the receiver, slide the switch on top to the left and adjust the volume with the knob on the far left. Lay the beams on a table facing one another, turn the beams on as shown below, the R beam will start to flash after 5-10 seconds, when it has finished flashing break the beams with your arm or a cardboard box after which you should hear the receiver play a tone, this indicates that the beams are paired with the receiver, now you are ready to fit the beams outside.

If the red light on the R beam is continuously lit this indicates no infrared signal is being received, check that you have turned on the T beam successfully.

### **Step 1:**

#### For 1B beams only

**For the beam without the LCD screen. (T)**

3 presses.

**For the beam with the LCD screen. (R)**

For alert beep 3 presses, for silent mode 7 presses.

**To turn the beams off.**

3 presses

#### For 2B and 3B beams only

**For the beam without the LCD screen. (T)**

3 presses.

**For the beam with the LCD screen. (R)**

3 presses will enable the speaker with a 5 second duration.

4 presses will enable the speaker with a 15 second duration.

5 presses will enable the speaker with a 30 second duration.

6 presses will enable the speaker with a 60 second duration.

7 presses will turn off the speaker.

The speakers will operate for these durations after one hour has elapsed.

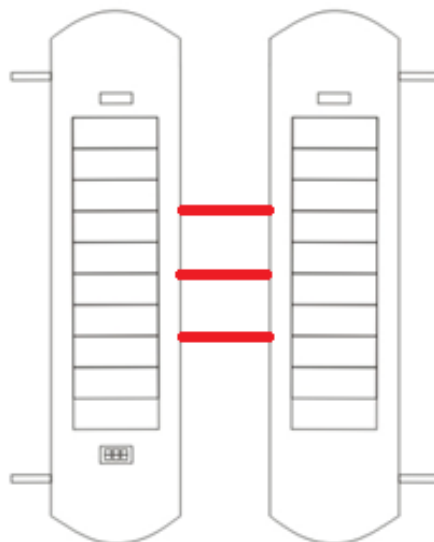
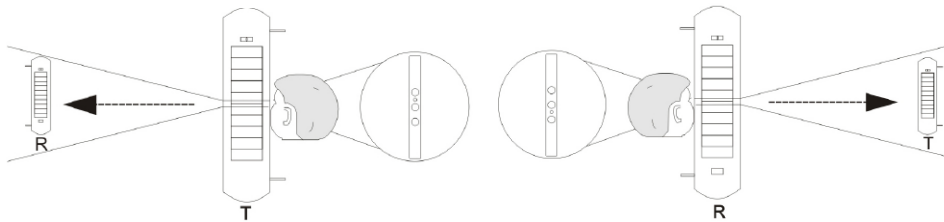
**To turn the beams off.**

3 presses.

## Step 2:

### Calibration:

1. Ensure that the beam edges with the 3 round translucent windows are parallel with one another, they do not necessarily need to be vertical if your ground slopes then angle them to run at an even height from the ground as long as they are parallel.
2. Adjust the direction of the beams left and right so that the three infrared circles on the side of the beams are looking directly at one another, you can use the calibration hole to do this as shown below or use a laser pointer or string line.
3. Align the beams so that you get a figure in excess of 300 on the LCD display, the higher you can get the number the better.
4. Once they are aligned as best as possible fit the brackets and tighten the screws.
5. The LCD screen will go off after one hour, to turn it back on you will have to turn the beam off and back on again.



When mounting on surfaces where the beams will be operating at 90° to the mounting surface then fit the brackets as below and use the centre hole on the beam arm. Mount all brackets on the inside face of the beam arms.



When you need to angle the beams between 95° - 265° from the mounting surface then fit the bracket as shown below and use the outer two holes. Mount all brackets on the inside face of the beam arms.



## To learn new beams and sensors or remotes into the receiver.

Press and hold the select button until the desired zone LED lights up and then release the button after which you need to operate the beam\sensor\remote, you will hear a confirmation beep from the receiver.

If you have any further beams or devices to learn in, then either learn them into the current zone or press and hold the select button until the required zone LED lights up and repeat the process, when you have learned all devices in then you MUST press and hold the select button until the power LED lights up and release.

To erase a sensor from the receiver, press and hold the select button until the required zone LED lights then release the button, then press and hold the delete button until you see the zone LED flick off and then come back on, all sensors in that zone are now deleted.

To change the amount of time that the beams require to be broken before they trigger please follow the steps below. Default sensitivity is 200ms ; 100ms is as below.

You should not need to do this step in normal use but if vehicles are passing through at a sufficient speed to not trigger the beams then use the steps below.

- 1: Turn on both beams by pressing the ON/OFF button 3 times and wait for them to settle down.
- 2: Press and hold the ON/OFF button on both beams for 10 seconds and when you hear a beep release the buttons.
- 3: Press the ON/OFF button 6 times on both beams.
- 4: Make sure the beams are lined up with one another.
- 5: On the **receiver beam only** press and hold the ON/OFF button for 10 seconds and when you hear a beep release the button.
- 6: On the **receiver beam only** press the ON/OFF button 4 times and when you hear a beep you have reprogrammed your beams.

