

VersaTrigger Insecta – User Information

Introduction

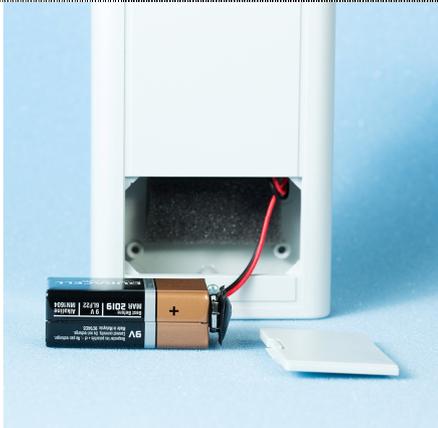
The VersaTrigger Insecta is a cross-beam infrared camera trigger suitable for insect photography. The emitters and receivers are aligned on the diagonals of a 150mm square frame with the "sweet spot" at the centre point where the beams cross, the beamwidth is such that an object of approximately 2mm diameter at the "sweet spot" will be sufficient to cause a trigger. The Delay control allows the user to set the camera to be triggered up to 150ms after an insect has been detected, this gives a flying insect time to settle and avoids an out of focus image. The infrared beam is disabled during a camera trigger, this is in case the camera has had its infrared filter removed.

1 Naming of parts

The Insecta comprises two parts, the frame and the controller. The frame attaches to a tripod and is positioned over the area where the insect is likely to be.



2 Fitting the batteries



1. Place the Insecta face-down on a flat surface, remove the battery cover by gently pulling the retaining clip down.
2. Fit a new PP3 battery by pressing the battery snap on to the battery, replace the cover.

3 Using the system

Push one end of the support tube into the frame mounted aluminium boss, secure in position by tightening the small screw. Push the clamp onto the other end of the support tube and secure in position by tightening the screw. Clamp the assembly to a tripod and position the frame such that the centre is located at the point where the insect is likely to be, the frame has a degree of horizontal and vertical movement but once positioned must be secured in place by tightening the large screw.

Plug both connectors into the Frame sockets of the Insecta control unit and switch on, both LEDs should glow green. If either or both glow red then align the beams by gently moving two diagonally opposed sensors until a green LED is observed, if necessary repeat for the other pair of sensors. Check operation by placing a finger at the centre of the frame, both LEDs should glow red. Connect the camera cable between the Insecta and the camera and, if required, adjust the Delay control. Anything appearing at the "sweet spot" will now cause the camera to trigger.