

**BLACK BOX
VIDEO**

JIM & KAREN McALISTER
1 EDMUND COURT
OFF NORTH DRIVE
BEACONSFIELD
BUCKS HP9 1YT

TEL: (01494) 676192
FAX: (01494) 681479

www.blackboxvideo.com
jim.blackboxvideo@virgin.net

VAT No: 578 2219 18

The STAMP, Miniature Transmitter & Mk 2 Standard Receiver

CAUTION
READ
INSTRUCTIONS
BEFORE USE

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DESCRIPTION AND INSTRUCTIONS

**The STAMP,
MINIATURE TRANSMITTER**



Our Video Sender is designed to transmit high quality pictures and sound from a camera to a monitor using a legal, licence free 2.4 GHz microwave link.

The Stamp is an incredibly small and light-weight Video Sender Transmitter, literally the size of a postage stamp and weighing only eight grams! Ideal for situations where the monitor will be close to the camera, but you need to work without a cable. So small and light it is practical to use it even with DV Cams.

Mk 2 RECEIVER



The new Mk 2 Receiver - much smaller (about 45%) than the Mk 1 unit! - is designed to receive microwave signals from the Transmitter and display high quality pictures and sound on any monitor of your choice, as before. It is compact and light in its new, robust die-cast case, and the efficient omnidirectional aerial with right angled SMA connector comes as standard.

You can expect up to 300 metres range outdoors (line of sight) or up to 30 metres indoors. If, however, you are using the Receiver with The STAMP, the ranges you can expect are 50 or 15 metres respectively.

INSTRUCTIONS FOR USE

The STAMP, Miniature Transmitter

Plug the right angled BNC into the camera's video out socket and the Hirose into the camera's power socket, velcro The Stamp to the camera – and that's it!

The Stamp **will not** blow the fuse on early Digibetas - current consumption is only 70mA.

If you don't have a Hirose socket on your camera, The Stamp can be powered from a PP3 type 9 volt battery by using our PP3 Clip Adapter. We can also make adapter leads to almost any plug and power source if needed. The Stamp will run on any voltage from 6 – 15 volts, it has an internal voltage regulator.

Experiment to find the best place for The Stamp. Usually the highest point on the camera is best, on top or on the back of the battery often works well.

We can supply The Stamp to transmit on any of the 5 channels our standard Video Sender Receiver works on or custom frequencies to order. The coloured dot on the top of the unit indicates the channel.

Receiver

The Receiver is housed in a robust die-cast case and has a rigid screw-on right-angled aerial with SMA connector. The Receiver can be powered from any nominal 12 volt source capable of supplying 130 mA. The actual voltage range is from 8 to 16 volts and is applied via the 4 pin Hirose socket on the end of the unit.

Video is output via the BNC socket and sound via the 3.5mm stereo jack socket.

Make sure the rotary selector switch is set to the same channel as the Transmitter.

Switch on using the toggle power switch on the end of the unit and check the red light comes on.

We can supply suitable batteries, mains power pack and cables if required.

Make sure the aerial is vertical and clear of any surrounding metalwork or obstructions.

This Mk 2 version is much smaller than the previous Receiver - in fact, it is 45% smaller!



PROBLEM SOLVING

Don't forget that the Receiver must be on the same channel as the Transmitter ! By default The STAMP is supplied on channel 1, unless you have specified a different channel. (Note that only channels 1 - 5 on the channel selector on the Receiver are valid).

The Transmitter has an omni-directional aerial which radiates in all directions. It is very important that the aerial tip is in free space with no objects or wires near it.

When using the Sender indoors reflections from girders, wiring, etc, will cause occasional flashes on the received picture when cancellation occurs. This will only happen when the Transmitter or Receiver is moving relative to each other or when objects are moved between the Transmitter or Receiver.

When using The STAMP outside, line of sight, these problems largely don't arise and the signal is much more stable. The maximum range outdoors is about 50 metres. Indoors a range of around 15 metres should generally be expected.

SPECIFICATIONS

The STAMP, Miniature Transmitter Specification

Supply voltage	6 - 15 volts
Supply current	70 mA
Hirose socket wiring	Pin 1 = -ve, Pin 4 = +ve
Video in (BNC socket)	Composite video PAL or NTSC 1 volt p-p
Power output	10 mW
Frequency, MHz	Channel 1 (blue dot) 2415.5 MHz Channel 2 (red dot) 2428.5 MHz Channel 3 (orange dot) 2442.5 Mhz Channel 4 (yellow dot) 2456.5 MHz Channel 5 (green dot) 2470.5 Mhz
Weight	8 grms
Dimensions	H = 15mm, L = 32mm, W = 25mm

Receiver Specification

Supply voltage	8 - 16 volts
Supply current	130 mA
Hirose socket wiring	Pin 1 = -ve, Pin 4 = +ve
Video out	1 volt p-p
Sound out	Line level
Weight	196 grms
Dimensions	H = 30mm, L = 110mm, W = 60mm

PRICES:

The STAMP , Miniature Video Sender Transmitter

£165

Mk 2 Five Channel Video Sender Receiver

£259