

Enjoy Birds More

Wildlife Camera
(C10)



User Guide

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1. Introduction

Thank you for purchasing one of the Enjoy Birds More family of products. We hope you will enjoy many years of viewing wildlife with this equipment.

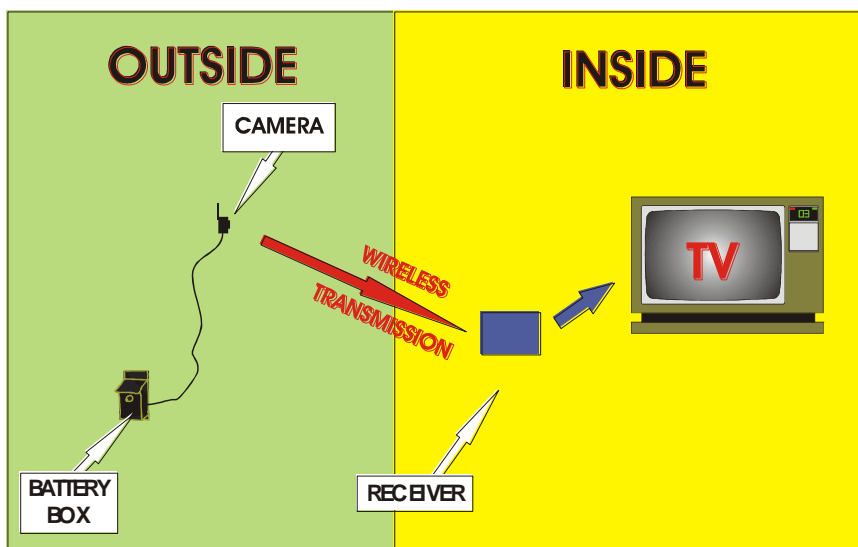
2. Setting Up Your Equipment and System

The Wildlife Camera consists of 3 main components:

1. Camera
2. Daylight Sensing Battery Box
3. Receiver

As well as this, it includes everything necessary to connect the parts of the system together, to power sources, and to your computer or TV.

It is easy to put the system together by following these step by step instructions.



3. Unpack and Familiarise Yourself With Your Equipment

As well as this User Guide, you should have the following parts:

Camera with built in microphone (including adjustable bracket and power/video/audio cable)



with **Antenna** and **Allen Key**

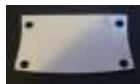
Daylight Sensing Battery Box (including mode switch and battery holders) and cable ties



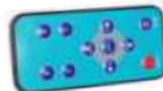
Mains power supply unit for Battery Box (Internal Use Only). This provides an optional alternative to running the system on batteries



Receiver, with separate **Antenna**, **mains Power Supply**, **Adhesive mounting pad** and



Remote Control.



Video/Audio Lead to connect between either the Camera or Receiver and either the USB Converter or TV. This has two colour coded phono connectors at each end. Yellow is for the Video, and the other colour (either red or white, depending on supply) is for Audio.



4. Set up Your Equipment

4.1 Camera and Bracket

The camera is fitted with a bracket which is adjustable for pan and tilt.

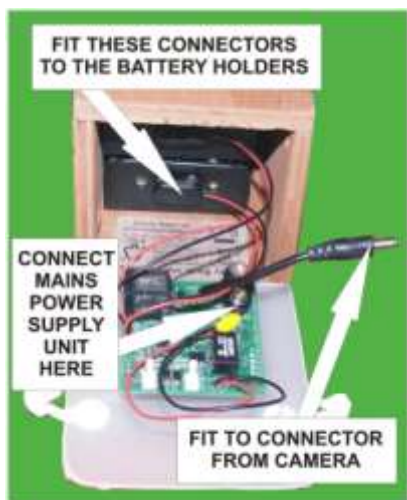
Screw or bolt the bracket onto a solid surface. To tilt the camera, use the allen key to loosen the 6 screws on the side of the camera. Gently tighten them up when you have adjusted the camera angle to your requirement.

Screw the (smaller) antenna onto the back of the camera.



4.2 Set up Camera for Operation

The camera can be operated either by battery or mains, and either wired straight into your TV, or alternatively with a wireless connection to the TV.



Open the roof of the Daylight Sensing Battery Box. If you plan to use the system on batteries, fit 8 size “D” batteries (either alkaline or rechargeable) into the battery holders (observing the polarity marked on them), and carefully slide them into the battery box, with the PP3 style connectors on top. Connect the mating connectors from the leads attached to the circuit board to the battery holders. Connect the end of the cable coming from the Camera to the mating connector on the short lead coming off the circuit board

If you plan to power the system using the mains power supply, you do not need to put the battery holders into the Battery Box. Instead, connect the PP3 connector at the end of the power supply unit to the PP3 connector marked with yellow.

The Battery Box is already equipped to use solar panels and/or wind generators, which simply connect to the white connectors on the circuit board.

Fit the cables entering the Battery Box through the cable slot in the side of the box, and secure them using one of the cable ties provided.

4.3 Set up the Receiver and Connect to TV

Screw the (larger) Antenna onto one end of the Receiver. Adjust the angle of the Antenna so that it is approximately vertical. The receiver can be mounted vertically using the adhesive pad provided, or rested in a horizontal position.



Fit the Mains Power Supply (it has a cylindrical plug) to the Receiver (DC 12-32V) and plug it into the Mains. Switch the power on. The Power Light on the front of the receiver will glow red to show mains is connected.



Fit one end of the Receiver Video/Audio Lead to the Receiver, connecting yellow to one of the 2 “VIDEO” (yellow) connectors and white or red to one of the 2 “AUDIO” (red) connectors.

The other 2 audio and video connectors on the Receiver can be used to connect the pictures and sound from the camera to a second TV or PC if you wish. The “RESET” button (it needs pressing with the end of a paper clip or similar) enables you to reset the electronics of the Receiver to factory settings in the unlikely event that the whole unit fails.

Fit the other end of the Receiver Video/Audio Lead to the direct input video/audio of your TV. Connect yellow to video in, and white or red to an audio in socket.

As an alternative, you may prefer to fit this in to the Video/Audio connectors on a video recorder or VCR.

If you only have a SCART input socket for your TV, you can fit the cable through an appropriate adaptor (not supplied, but available as an accessory).

The cable (and the signal it carries) is not suitable for direct connection to your TV aerial or antenna socket.

Turn the TV on, and switch it to the direct video/audio input.

Move the switch on the Battery Box to the CONT position.



Switch the receiver on by pressing the Auto Switching/Manual (A/M) button once. The Power Light will change colour to green and the A/M button will light green (denoting Auto

Switching), the 4 Channel Buttons will light blue and the Channel Indicator will be displaying channels 1 to 4 in turn.

Press A/M a second time, and it will change colour to red (denoting Manual). Set the Receiver channel (shown in the Channel Indicator, and by the illuminated Channel Button) to the Channel Number of your Camera (shown by a label on the back of your Camera) by pressing the appropriate Channel Buttons to switch them on or off.

You should see a picture from the camera on your TV screen, and hear through the TV if you tap or blow on the back of the camera gently.

The Receiver can also be controlled by the Remote Control. As well as duplicating all the above switch functions on the Receiver, this enables the dwell time (time on each channel when in Auto Switching mode) and audio volume to be adjusted.

Auto Switching is of use if you have more than 1 camera and wish to view them all in rotation. Use the Channel Buttons whilst in Auto Switching mode to select which channels to include in the sequence.

The picture can also be viewed on a PC equipped for video input.

4.4 Wired Connection to the TV

Connect the two phono connectors at one end of the video/audio cable to the connectors at the end of the camera lead. Connect (video) yellow to yellow, and (depending on which cable has been supplied) (audio) red or white to red or white.

Plug the video (yellow) and audio (red or white) connectors at the other end of the video/audio cable into the video and audio input sockets of your TV.

4.5 Left/Right Reversal

Some of our cameras have a fourth connector at the end of the camera lead which has a small Nylon cap fitted. For normal viewing, this should be left in place. Removal of the cap will cause the picture to be reversed left to right. This facility is unlikely to be needed for wildlife watching unless you are viewing through a mirror (or wish to use the camera as a rear view mirror!). To remove the cap, simply pull it off.

5. Miscellaneous

5.1 Use of the Mode Control Switch

The switch on the top of the Battery Box has 3 positions, and switches the system from off to one of two modes of operation:

“ECO” Economy Mode

In this mode, the light sensor in the battery box controls the camera. It will switch on in normal daylight and off when dark at night. This will save on battery usage and will be helpful if you do not want to watch at night. It is programmed to switch around dawn and dusk, but the exact switching point varies according to local conditions such as shade and weather.

Whilst shut down, neither video nor audio is transmitted from the camera. If you are viewing the picture on your PC using our “Enjoy Birds More by PC” software then, after a momentary pause, a picture showing the view from the camera before it switched off will normally be displayed, although no audio will be heard. If you are using a TV to view the pictures, you will either see a still picture or “snow”, depending on which TV you have and the precise instant when the shut down occurred.

Central Position, “OFF”

This position switches off the lighting, microphone, camera and transmitter.

“CONT”, Continuous

This setting switches the camera and microphone box on continuously, and will take the most power out of the batteries.

Naturally, the batteries will not last as long with this setting (their actual life depends on several factors), so you may prefer to use the mains power supply if you plan to operate the camera on this mode for long periods.

5.2 Camera Lighting System and Focus

The camera housing contains a light sensor and a powerful array of infra red lights. If the light level available to the camera drops to a level at which it requires extra illumination, the infra red lights will automatically switch on. This is a separate light sensing system and is in addition to the one in the battery box.

The infra red lights will enable the camera to give a good picture in dark conditions (with most people's eyesight, they will be able to see a dim reddish glow), up to about 3 metres away from the camera. However, if the camera is used to watch something close in the dark, the infra red may be so bright as to dazzle part of the camera's field of view, despite the exposure adjustments which will be made automatically by the camera's electronics. If this occurs, cover part of the array of infra red lights with dark insulating tape (not supplied).

The camera focus has been adjusted at the factory, and cannot be reset by the user. It will give sharp focus between about 20 cm and infinity.

The camera housing is waterproof, and designed to be used either in the open air or under water at depths of up to 1 metre.

It is important to avoid scratching the glass front to the camera housing, as this may reduce the quality of the picture. From time to time, we suggest you clean the glass with a soft cloth.

The camera is designed to be swiveled up and down on its bracket, and panned from side to side by twisting it round. To adjust the up/down angle of the camera, loosen the camera bracket mounting screws with the allen key provided, adjust the camera angle and retighten the screws.

You may find that the way you have mounted the camera means that it is upside down, and giving an upside down picture. If this is the case, simply unscrew the camera from its bracket using the allen key, turn the camera over, and replace the screws.

5.3 Wireless Transmission Range

The Transmitter and Receiver have a nominal range of 100 metres.

The actual distance achieved will vary depending on atmospheric conditions, any radio interference, the position and type of nearby obstacles (such as walls, trees, or metal objects) and the state of the batteries. The wireless transmission will still operate when the camera is under water, but the range may be reduced.

Moving the Receiver just a few centimetres can sometimes make a big difference to the strength of the signal, so to obtain the best reception, we suggest you move the Receiver around to find the best location by trial and error.

5.4 Adjustment of Dusk / Dawn Switching

The Battery Box has a light sensor designed to switch the camera on and off at dawn and dusk, if the mode switch is set to “Eco”. The user can adjust the light level at which the switching occurs, and also whether it is set to “day time on” or “night time on”.

We have set the system to Day Time On, and a normal switching light level, but it easy to adjust these settings as follows:

Light Level for Switching

1. Choose a time when the light level outside is the level at which you want the system to switch.
2. Start with the system in the “OFF” state.
3. Turn it to “ECO”, and then immediately back to “OFF”.
4. The system should now be in “set” mode and the camera should switch on and off 6 times to show it is waiting for you to set the switching point. If the camera doesn’t switch on and off 6 times, try from step 2 again.
5. Wait until after the 6 flashes, check that the light level is the level at which you want it to switch every morning and evening, and then switch back to “ECO”.
6. Leave the system in this state for at least 30 seconds.
7. It will now have saved this setting until you set it again.
8. You can now switch off or on as normal.

Day Time On or Night Time On

1. Start with the system in the “OFF” state.
2. Turn it to “CONT”, and then immediately back to “OFF”.
3. The system should now be in “set” mode and the camera should switch on and off either 2 or 3 times.
4. If the camera doesn’t switch on and off 2 or 3 times, try from step 2 again.
5. If it has flashed 2 times, this will show that it has entered the “Night Time On” which means that when the system is running with the switch set to ECO, the camera will turn on at dusk and off at dawn.
6. If it has flashed 3 times, this will show that it has entered the “Day Time On” which means that when the system is running with the switch set to ECO, the camera will turn on at dawn and off at dusk.
7. Leave the system in this state for at least 30 seconds.
8. It will now have saved this setting until you set it again.
9. You can now switch off or on as normal.

5.5 Fitting of Battery Box

The battery box is designed to be versatile, and can be carried around for field work using the carrying handle at the top.

It can be mounted on a tree or wall etc by screwing or nailing through the screw holes at the top corners.

As a final option, the Battery Box can simply be placed on the ground.

6. Specifications, Warranty etc

The specifications of the product described and the contents of this User Guide are subject to change without notice, as part of our continuous improvement process.

Whilst every care has been taken in the preparation of this document, we realise that it may still be possible to improve it. If you find any errors, omissions or points which are not clear, please let us know by email at user.guide@enjoybirdsmore.co.uk. We will endeavour to deal with the problem to your satisfaction, and learn from it for future versions.

The contents of this document may not be reproduced in whole or in part except for your personal use.

Enjoy Birds More Limited warrants all its products against defects in materials and manufacture for 6 months from the date of purchase. If a defect is discovered, Enjoy Birds More will repair or replace the product (at its option) free of charge, provided it is returned to the address in this User Guide at the customer's expense.

Enjoy Birds More Limited is not able to accept any responsibility for any loss, damage, or loss of data suffered by any customer or third party as a result of use, misuse or malfunction of the product or this User Guide. In particular, whilst the product has been extensively tested, we are unable to warrant that is error free.

If you have any further technical or user questions relating to the product, please first check the Frequently Asked Questions section of our Web Site, www.enjoybirdsmore.co.uk. If that does not enable you to resolve your query, please email it to us on customer.service@enjoybirdsmore.co.uk.

From time to time, we provide customers with product updates. Please check the web site for details.

7. Care for the Environment

As you might expect, Enjoy Birds More cares deeply about the Environment. We have adopted an Environmental Policy designed to demonstrate our commitment to operating our business in harmony with the natural and man made environments. If you wish to see the full policy, it is available to read on our web site.

Our products are developed to be economical with natural resources, both in manufacture and use. We comply with the relevant laws and regulations, including those relating to the Restriction of Hazardous Substances (known as RoHS) and Waste Electronic and Electrical Equipment (WEEE).

The wood used in our products comes from responsibly managed forests, as part of our commitment to the Forest Stewardship Council.

The plastic roof and diffuser in your battery box are made from Polypropylene. This is regarded by many as the most environmentally friendly plastic available: it requires relatively low energy in manufacture and is so safe it is commonly used in toys, toothbrushes and food packaging. When recycled by incineration, no toxic substances are released, only water and Carbon Dioxide.

When you have finished using this product, please dispose of it responsibly. We would suggest using your local household recycling and waste treatment facility, particularly for the electronic parts of the product. Certain of our products are marked with the following symbol:



This denotes that they require to be disposed of at end of their useful life by the local waste treatment facility. Please follow this instruction.

This User Guide is printed on recycled paper.

8. Accessories for Your Wildlife Camera

Our comprehensive range of accessories is designed to enable customers to make the best use of their purchase. Why not accessorise your equipment to extend its capabilities and make it do exactly what you want? The following accessories are suitable for your Wildlife Camera:

Battery to Camera Extension Cable (A33)

Extend the distance between your Battery Box and Camera

Mains to Battery Extension Cable (A35)

Want to use mains power, but need a longer cable from the mains power unit to your battery box ? This is what you need.

Enjoy Birds More by PC (A36)

Our very own software package - view, take and archive your pictures, videos and timelapse sequences.

Video to USB Converter (A37)

This small converter allows you to feed pictures from your camera straight into your computer. No need to install any hardware inside the computer.

PC Video Viewer (A38)

All the hardware and software you need to feed your nest and wildlife pictures into a PC or laptop.

Rechargeable High Capacity Battery Set (A40)

8 high capacity rechargeable batteries and mains charger. Last for longer between charges.

Solar Panel (A41)

Help save the planet by using renewable energy to operate your camera. You may never need to change the batteries again.

Wind Generator (A42)

Free energy to supplement solar or mains recharging for your camera.

Universal Camera Stand (A45)

This stand allows the positioning of your camera just where you want it, at any height from under water to 2.2 metres high. Separate wand to hold camera for pond dipping etc.

Enjoy Birds More

Did you know we produce a Variety of Wireless Camera Nest Boxes, and Wildlife Cameras and Accessories? Some of our products:

Garden Nest Box (B2)

The ultimate Wireless Camera Nest Box, with a battery life up to 7 months, and bristling with innovations. Easy and Quick to set up. Remote Electronic Battery Box takes alkaline or rechargeable batteries, and is already equipped with charger to utilise solar or wind energy

Eco Nest Box (B1)

A full function Wireless Camera Nest Box, but with simpler electronics. Translucent roof gives colour pictures in daylight, while infra red lights give pictures at night. Mains or battery operation

Town Garden Nesting Package (P80)

Includes Garden Nest Box with all you need to watch by computer

Solar Nesting Package (P82)

The ultimate package for the environmentally conscious, with all you need to watch by computer and power by renewable energy

Wildlife Camera Package (P83)

Camera, stand and computer connection makes you ready to start viewing the wildlife immediately

Specialist Boxes:

Other specialised boxes and special requirements made to individual order.

To order, or for more details of all our products:

Visit us at www.enjoybirdsmore.co.uk,

Email us at mail@enjoybirdsmore.co.uk

Or telephone us at +44 (0) 1675 442544

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