



Wireless Camera Bird
Feeder
(C8F90)

User Guide

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1. Introduction

Thank you for purchasing one of the Nestbox Company's family of products. We hope you will enjoy many years of viewing wildlife with this equipment.

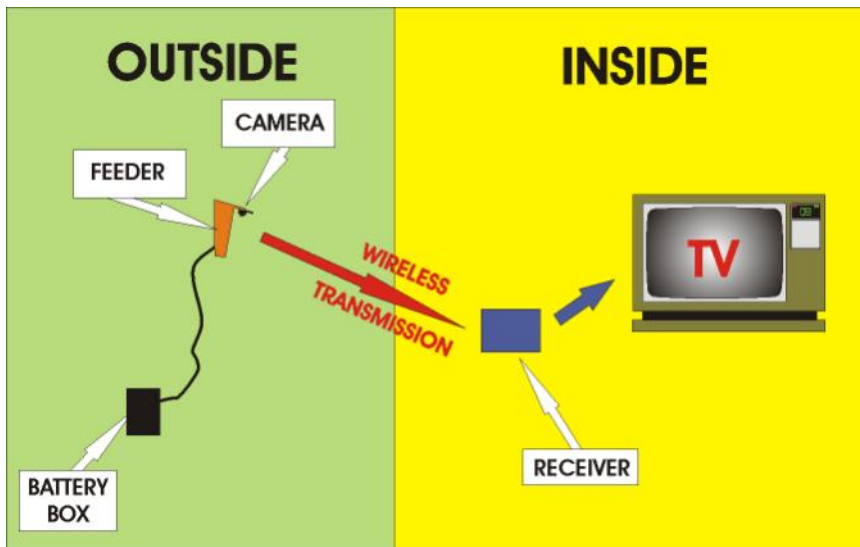
2. Setting Up Your Equipment and System

The Wireless Camera Bird Feeder consists of 3 main components:

1. Feeder with Camera
2. 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:

Plywood Bird Feeder with wire mesh front and camera on boom arm



Battery box for 4 size D batteries, including battery holder, on/off switch, cable to feeder and hanging bracket



Polythene weather cover for cable (with 4 cable ties)



Mains power supply for camera



Video / Audio Receiver



Aerial for Receiver



Mains power supply for receiver



Video / Audio lead for connecting to TV



4. Set up Your Equipment

4.1 Camera and Bracket

The camera is fitted on a wooden bracket to the underside of the roof of the Feeder. Adjust the bracket to the position you require, by loosening the butterfly nut slightly until the bracket will move. Once you have it in the desired position, tighten the butterfly nut. You can move the bracket to see different views of the birds feeding:



Next, adjust the angle of the camera to approximately point at the feeding area. Temporarily loosen the screws at the sides of the camera if necessary.

4.2 Set up Camera for Operation

If you are running the nest box on batteries, open the Battery Box, remove the battery holder and fit 4 size D batteries (observing the polarity shown on the battery holder). Replace the battery holder, ensuring that it is securely connected to the PP3 snap fitting inside the Battery Box.



Ensuring that the connectors are inside the Battery Box, run the power cable out of the Battery Box through one of the slots in the base, and fit the lid onto the Battery Box, using the 4 screws provided.

If you decide to use the mains power supply, disconnect the battery holder from the PP3 snap fitting inside the Battery Box. Remove the battery holder. Connect the PP3 snap fixing on the end of the Mains Power Supply Unit to the PP3 snap fixing inside the Battery Box, run the 2 cables out of the battery box and fit the lid, using the 4 screws provided.



The Mains Power Supply must not be used outside or in a damp atmosphere as it is only safe to use inside, although the lead coming from it is low voltage and safe for external use.

Fit the plug at one end of the 2.5 metre power cable from the battery box into the socket on the end of the short wire coming out of the camera.



Use the polythene weather cover to protect this joint from damp and rain. To do this, position the tube over the joined connectors, and gather in and tighten each end of the tube with 2 of the cable ties supplied. Position the covered joint so that any rain flows away from the joint, rather than into it.

Hang the battery box in a convenient location with the attached hanging bracket.

4.3 Set up the Receiver and Connect to TV

Screw the Antenna onto one end of the Receiver. Adjust the angle of the Antenna so that it is approximately vertical.



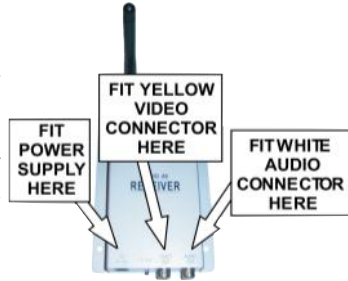
The receiver can be mounted vertically using the screw holes provided, or rested in a horizontal position.

Fit the 9V Mains Power Supply (it has a cylindrical plug) to the Receiver (DC 9-12V) and plug it into the Mains.

Switch the power on. The red indicator light will show it is on.

Fit one end of the Receiver Video/Audio Lead to the Receiver, connecting one colour to “VIDEO OUT” and the other colour to “AUDIO OUT”.

Fit the other end of the Receiver Video/Audio Lead to the direct input video/audio of your TV. Connect the colour you connected to VIDEO OUT on the Receiver to video in, and the other colour to an audio in socket.



As an alternative, you may prefer to plug 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.

Ensure your Feeder is powered up (either by battery or mains).

Set the Channel Switch on the Receiver to the channel number indicated by the label on the top of the camera. On your TV screen, you should see the front of the Feeder. You should hear through the TV if you tap or blow gently on the camera. At this point, it is worth adjusting the camera focus and aim to make sure it is pointing appropriately at the front of the Feeder.

The camera focus can be adjusted by gently turning the black lens assembly.



4.4 Fill the Feeder and set it up in the Garden

First find a promising location in your garden.

The Feeder is designed to fit to a wall or bird table etc, and is normally fitted, using the concealed keyhole in the back of the feeder, onto a screw or nail on the wall, tree etc. Fit the screw into the tree or wall first, and then offer up the Feeder onto the screw so that the screw head goes through the lower part of the keyhole. Then slide the box down so that the box is securely fitted.

It can also be fitted by using string or wire. To do so, pass a loop of string etc through the keyhole, and attach it to a small twig, nail etc. Making sure this is pulled back to the keyhole, but not through it, tie the string etc round the tree, bird table etc.



The Feeder should be fitted in a position where it is close enough to the Receiver so that you get a good picture. Although the nominal range is 100 metres, the actual range depends on a number of factors, particularly including obstacles close to and in between the Feeder and the Receiver, such as walls and trees. If you are in any doubt as to the position, it may be better to fix the Feeder temporarily until you have checked the reception.

To fill the Feeder with bird food, remove the side filler cap, fill it and replace the cap. It is generally easier to do this with the Feeder on its side.

5. Miscellaneous

5.1 Camera Lighting System and Focus

The camera housing contains a light sensor (positioned above the lens) and an 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 will enable you to continue watching the birds feeding in dim light conditions. However, you may find that the infra red lighting is 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). If you do this, please be careful not to cover the lens or light sensor.

5.2 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. If the path of the wireless signal goes through a wall, the range will probably reduce below 100 metres, to perhaps around 60 metres, whilst in good conditions in the open air, it is often possible to get over 100 metres.

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 .

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 mail@nestbox.co.uk. We will endeavour to deal with the problem to your satisfaction, and learn from it for future versions.

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

The Nestbox Company 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 it is error free.

If you have any further technical or user question relating to the product, please email it to us on mail@nestbox.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.

When you have finished using this product, please dispose of it responsibly. We would suggest using your local household recycling and waste treatment facility.

As an electronic item, it must be disposed of separately to other household waste.

Certain of our products are marked with the following symbol:



This denotes that they must be disposed of at end of their useful life at an appropriate local waste treatment facility. Please follow this instruction.

This User Guide is printed on recycled paper.

8. Accessories for Your Wireless Camera Bird Feeder

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 the Eco Bird Feeder:

Battery to Camera Extension Cable

Extend the distance between your Battery or mains supply and Camera

Mains to Battery Extension Cable

Want to use mains power, but need a longer cable from the mains power unit? This is what you need. PP3 snap connectors each end.

Video to USB Converter

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

Daylight Sensing Battery Box

Accessorise the Eco Bird Feeder to give it very long battery life, dusk/dawn switching, use of rechargeable batteries, solar and wind power.

Rechargeable High Capacity Battery Set

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

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for compliance with the
relevant directives, and carry
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WEEE Producer Registration Number WEE/HA3702UR

Battery Producer Registration Number BPRN03345