



## User Guide

### Wired Camera Bird Box (CIB6)

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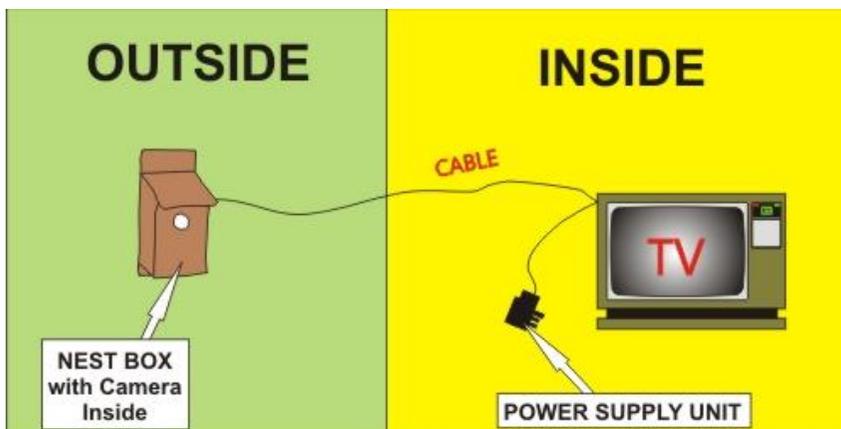
## 1. Introduction

Thank you for purchasing one of the Nestbox Company's family of products. We hope you will enjoy many years of viewing nesting birds with this Wired Camera Bird Box.

## 2. Setting Up Your Equipment and System

The Wired Camera Bird Box consists of 2 main components:

1. Nest Box with Camera
2. Power Supply Unit



It is easy to put the system together and connect it up to your TV or computer by following these step by step instructions.

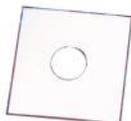
## 3. Unpack Your Wired Camera Bird Box

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

**Nest Box with Camera and Infra Red Lights,** with 20 metre long (approx) video/audio/power cable.



## Mains Power Supply Unit for camera



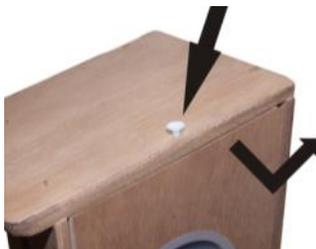
**White Diffuser and black Baffle** to ensure good overall coverage of the infra red lights.



## 4. Setting Up Your Equipment for Operation

### 4.1 Set up the Nest Box Inside First

Open the side of the Nest Box, so that you can get to the camera unit which is fitted to inside of the removable side panel. To do this, lift up the peg holding the side panel to the nest box, and then tilt the side panel out before lifting it up to take it out.



Carefully turn the camera so that it is pointing towards the floor of the nest box.

Feed the 20 metre (approx) long mains/video/audio cable out through the small hole at the top back corner of the side formed when the side panel is put back in place.

Fit the side panel back onto the Nest Box and replace the securing peg.

At the end of the cable coming from the Nest Box there are 3 connectors: Yellow Phono for video, Red or White (depending on manufacture) Phono for audio and Black or Red (depending on manufacture) cylindrical for the power supply. Plug the yellow connector into the "Video In" socket on your TV (usually colour coded yellow), and the white or red Phono connector into an "Audio In" socket (probably colour coded white or red) on the TV.

Plug the Mains Power Supply Unit into a mains socket, turn it on and plug it into the Black or Red cylindrical connector at the end of the Nest Box cable.

Turn the TV on, select video in, and you should see the inside of the Nest Box., and hear through the TV if you blow gently across the front of the camera.

## 4.2 Set up the Nest Box Outside

First find a promising location outside.

Nest Boxes are normally fitted (with the roof uppermost) to a tree or wall, about 2 to 4 metres high from the ground. However, depending on the situation, it is generally OK to fit the box higher. For further advice on siting nest boxes, you may find it helpful to look at the RSPB web site:

[www.rspb.org.uk/gardens/whatyoucando/nestboxes/siting.asp](http://www.rspb.org.uk/gardens/whatyoucando/nestboxes/siting.asp)

It is normally best to place the box out of direct sunlight so it does not get sun all day or too much wind and rain. This means that you could face it to the North East or South East.



The Nest Box is designed to be fitted in most situations with just 1 screw or nail, using the concealed keyhole in the back of the box. Fit the screw into the tree or wall first, and then offer up the box 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.

The keyhole is positioned opposite the entrance hole into the box so that it is easy to see through for fitting, and the screw can be tightened once the box is fitted. If you wish to secure the box with a second nail or screw, a hole in the base/back of the box has also been provided, although in most situations this will not be needed.

Rope, string or wire can also be used to fit the box. 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 twig, etc.

It is best to fit the Nest Box upright or tilted slightly forward to give some protection from driving rain.

Position the box away from other trees, bushes, branches etc which may make it easier for predators. Try to provide a clear flight path into the entrance hole. It is recommended that you do not place it near to a bird table or other place where you feed the birds, because the constant traffic of birds will deter nesting.

Run the cable safely into the house and to your TV.

You can also connect into a video recorder or appropriately equipped PC instead of a TV. Please see our accessories and web site ([www.nestbox.co.uk](http://www.nestbox.co.uk)) for further information.

## **5. Miscellaneous**

### **5.1 Audio Volume**

The audio system is fitted with an Automatic Gain Control (AGC) which increases the amplification when the microphone is picking up little sound, and decreases it when it picks up more noise. In quiet situations, this results in high gain, and can lead to the pick up of some hum.

We suggest you set the volume on your TV to a level where, in quiet conditions, any background noise or hum is barely audible, and is not intrusive. When the birds take up residence, and start making a noise, the AGC will ensure that you hear their sounds above the level of the background noise.

## 5.2 Cleaning the Nest Box

Once a year, after the nesting season has finished and all the birds have left the nest, we recommend that you clean out the Nest Box and dispose of all nesting material and unhatched eggs etc. Under UK legislation, you can only remove unhatched eggs between August and January. If you remove any eggs you must dispose of them.

To do this, take the side off the box (as explained earlier) and carefully clean the box, the side panel itself and the camera with a soft cloth or brush, being especially careful with the camera lens.

Take out any nesting material from the nest box and throw it away, and wash out the box with hot water (being careful not to get the camera or connectors wet). With the side open, leave it for a day or two to dry out, before shutting the box, and putting it back in position.

## 5.3 Power Supplies for Nest Box

The mains power supply for the camera which is included is designed for interior use only. It is intended to be connected to an internal socket on a fused 13A electricity supply. **IT IS DANGEROUS TO FIT IT OUTSIDE OR IN A DAMP ATMOSPHERE.**

The cable (which operates at low voltage) is safe to use outside. If you need to extend this cable, we sell extension cables. We also sell extension Video/Audio/Power cables if you wish to site your nest box further away.

As an alternative to mains operation, you could use a separate battery power supply of the same voltage as the mains power supply unit provided (the voltage is shown on the label attached to it). If you do so, please make sure you connect it with the correct polarity, or you may damage the camera.

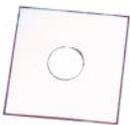
The positive (+ve or red) from the supply should be connected to the inner connector, and the negative (-ve or black) to the outer connector on the camera.

## 5.4 Camera Lighting System and Focus

Before leaving the factory, the camera focus has been adjusted to a little above the floor of the nest box. You can adjust the camera focus by turning the lens turret. The camera is a very delicate part of the system so please do this gently, and be very careful not to touch a finger on the lens.

The camera is fitted with 6 Infra Red lights to enable viewing to continue at night, when there is insufficient natural light to get a picture. We use Infra Red as this is invisible to the birds, so it does not interfere with their natural rhythms. At night, you will see a black and white image on your TV, as the camera does not show colour when using Infra Red.

When viewing a picture illuminated by the infra red lights (when it is too dark outside for a good colour picture), you may find the picture has a “hotspot”, a white central area in the middle, or is white all over. This is due to the concentration or brightness of the infra red lights when so close to the subject. Use the white Diffuser or black Baffle (or both), clipped over the lens turret to reduce this effect.



The white Diffuser will distribute the light round the box and help with hotspots.

The black Baffle will reduce the overall infra red intensity.



## **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](mailto:mail@nestbox.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.

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, the Nestbox Company 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.

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 is free of defects.

If you have a further technical or user question relating to the product, please email it to us at [mail@nestbox.co.uk](mailto: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

The Nestbox Company 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 all 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 FSC.

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



This User Guide is printed on recycled paper. All our packaging is designed so that it can be re-used or disposed of by composting.

## **8. Accessories for your Nest Box**

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

### **Connection to PC/Laptop**

This small converter allows you to feed pictures of your nest or wildlife straight into your computer. No need to install any hardware inside the computer.

### **Entrance Hole Plate**

Small metal plate to fit on front of nest box, used either to reduce the size of the entrance hole, and limit the box to smallest bird species, or to protect the resident birds from predation from squirrels, woodpeckers etc. Available in various sizes.

### **Side Opening Nest Box with Window (A47)**

Another nest box to match your Wireless Camera Nest Box, but with no camera. Use it to increase your chances of attracting birds to nest. Swap the camera from one box to another if the birds choose the wrong box.

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All our products are tested for compliance with the relevant directives, and carry the CE Mark

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