



User Guide

Wired Camera Kit (C3K6)

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1. Introduction

Thank you for purchasing one of The Nestbox Company's family of products. This is a versatile camera kit which can be fitted inside your own nesting box or used as part of another project.

2. Setting Up Your Equipment

The Wired Camera Kit consists of 2 main components:

- Wireless Camera
- Power Supply Unit

As well as this, the kit includes the accessories necessary to connect the parts of the system together, and to your computer or TV.

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

Unpack the Camera Kit.



As well as this User Guide, the kit consists of the following items:

If you have chosen for us to fit your kit, please go to section 3.1



Camera

**Power Supply Unit (PSU)
for Camera**

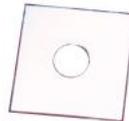


**Video / Audio / Power
Extension Cable**

Black Baffle



White Diffuser



Screws for mounting Camera



3. Fit the Camera

The camera bracket can be mounted inside your nesting box or on your project using one or more screws, or by clipping or clamping it. There are 2 screws with wall plugs in the Kit, which can be used if convenient. To simplify fitting, the bracket can easily be removed from the camera body by unscrewing the 2 screws holding it, using a small screwdriver.

Whilst the camera is weatherproof, it is not waterproof. There are small holes in its casing for the IR lights, microphone, light sensor and power input. We recommend that it is protected from the worst of the weather. Do not immerse the camera in water.

3.1 Connect Video / Audio / Power Extension Cable

This extension cable is approximately 20 metres long, and is designed to carry the power to the camera and bring the pictures and audio from the camera to the TV or PC for display.

Choose the end of the cable with the power (black) connector which fits onto the mating power connector (also black) on the camera, and fit all 3 connectors to the matching colour connector on the camera.

Run the cable into the house etc, and you are ready to check the picture.

3.2 Connect the Mains Power Supply Unit and TV or PC

Plug the black connector at the end of the extension cable into the mating black connector on the Power Supply Unit, and (if you are using a TV for display) plug the yellow video connector into a "Video In" socket on the TV (normally colour coded yellow). Plug the red audio connector into an "Audio In" socket on the TV (normally colour coded red or white).

As an alternative to using Video In and Audio In sockets, you can use a SCART socket on the TV. For this you need a small SCART adaptor, such as the one (Code A51) in our accessory range.

If you are using another device such as a video recorder, plug the yellow and red connectors into video and audio in respectively. Similarly, to connect to a computer (which must be equipped to accept composite video) use the equivalent input sockets.

Plug the Power Supply Unit into the mains and switch on. Once you have selected the options on your TV etc to display this input, you should immediately see the pictures and hear the sounds from the camera.

WARNING: THE MAINS POWER SUPPLY UNIT IS DESIGNED FOR INTERNAL USE ONLY. IT MAY NOT BE SAFE TO USE IT OUTSIDE.

If you need to site the Mains PSU further away from the Camera, we suggest you fit an additional Video / Audio / Power Extension Cable (Code A53). These are available as part of our range of accessories.

4. Miscellaneous

4.1 Adjustment of Camera

The bracket on the camera allows you to point the camera to adjust the field of view. You can adjust the camera focus by turning the lens turret. The camera is a very delicate item, and we suggest taking the appropriate care when touching it, including being careful not to touch a finger on the lens.

4.2 Camera Exposure

The camera's electronics control the exposure of the picture. It can cope with a very wide range of light levels, but in the brightest sunlight, you may need to shade the camera to ensure that you get good colours.

The light sensor in the camera is programmed to switch on the Infra Red lights when the light becomes too dim for a good colour picture. When the IR lights are on, if the subject is close to the lens (which is often the case inside a small nestbox) it may be too bright for the camera and cause overexposure. If this happens, the colours in the picture will become thin or pasty, and tend towards white, and you may notice a brighter circular area in the middle of the picture. To deal with this, use the Black Baffle and/or White Diffuser to reduce the intensity of the lights and spread the light around the area. Fit these by clipping them over the lens turret.

4.3 Pictures at Night

At night, or when completely dark, the only source of light for the camera will be the Infra Red lights fitted on the camera. Under such conditions, the camera will give an image which consists of shades of grey, just like a black and white picture. This is perfectly normal. We use infra red lights at night so that you can continue to see a picture, but, because birds cannot see infra red, their natural sense of day and night are not affected.

5. 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 will always 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 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 free of defects.

If you have a 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.

6. 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, please see it 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 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.

The Nestbox Company Limited
Eastcote House
Barston Lane
Eastcote
Solihull
West Midlands
B92 0HS UK

Telephone: +44 (0) 1675 442299
Fax: +44 (0) 1675 442544
Web site: www.nestbox.co.uk
Email: mail@nestbox.co.uk



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