



User Guide

Daylight Sensing Battery Box (CL6A32)

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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 use from this advanced equipment.

This Battery Box is designed to be used with certain of our 6V cameras as a long life battery operated power supply. It takes 8 size D batteries, either alkaline or rechargeable. It is already equipped with a charging circuit which is designed to recharge rechargeable batteries (if fitted) using solar panels or wind generators.

2. Setting Up Your Equipment

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

Battery box, including 2 battery holders, each of which takes 4 size "D" batteries.

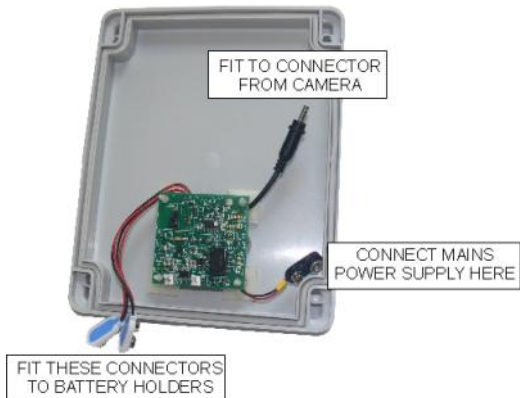
Extension Cable



2.1 Set up Battery Box for Operation

Open the front of the Day-light Sensing Battery Box. If you are using batteries, fit 8 size "D" batteries (either single use or rechargeable) into the battery holders (observing the polarity marked on them).

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, do not fit batteries. Instead, connect the PP3 connector at the end of the power supply unit to the PP3 connector in the battery box 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.

If you need to, use the extension cable provided to increase the distance between the camera and the Battery Box.

Fit the cables entering the Battery Box through the cable slot in the base, and carefully refit and secure the front using the 4 plastic pegs (which should be inserted fully, and then turned 90° with a screwdriver).

2.2 Use of the Mode Control Switch

The switch on the front 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, or vice versa. This will save on battery usage and will be helpful if you only want to watch for part of the 24 hours. 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.

Central Position, “OFF”

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

“CONT”, Continuous

This setting switches the camera 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.

2.3 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.

2.4 Fitting of Battery Box

The battery box can be mounted onto a wall or tree etc using just 1 nail or screw and the mounting bracket at the rear of the Battery Box.

If preferred, it can alternatively be mounted using up to 4 screws through the concealed mounting holes which are visible when the front of the box is removed.

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

2.5 Power Supplies

The Daylight Sensing Battery Box is designed to operate on either batteries or using the mains power supply unit which was supplied as part of your camera.

If using batteries, you will require 8 size “D” batteries, either alkaline (ie normal throwaway batteries) or rechargeable (either NiMH or NiCad).

Rechargeable batteries can be simply taken out to charge separately. Some customers like to use a second set of batteries while the first set is charging.

You can obtain rechargeable batteries from a variety of retailers, or we sell sets of 8 rechargeable high capacity batteries. Alternatively, you can charge rechargeable batteries in situ with our solar panels. The circuitry already includes an on board charger with 2 connectors. You can fit up to 2 solar panels.

3. 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 still be possible to improve it. If you find any errors, omissions or points which are not clear, or have any suggestions for improving it, please let us know by email at mail@nestbox.co.uk. We will endeavour to deal with any 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 error free.

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

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

4. Care for the Environment

As you might expect, 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 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.

Please separate it from other household waste or recycling, and use a local facility for waste electrical and electronic equipment



This User Guide is printed on recycled paper.

5. Accessories for Your Nestbox Company Products

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 examples of our accessories may be of interest:

Battery to Camera Extension Cable

Extend the distance between your Battery Box and Camera

Mains to Battery Extension Cable

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

Connection to PC/Laptop

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

Rechargeable High Capacity Battery Set

8 high capacity rechargeable batteries. Last for longer between charges.

Solar Panel

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

You can find the full range of

accessories on our web site,
www.nestbox.co.uk,

or just scan the QR code here:





Did you know we produce an extensive range of nesting boxes for birds and small mammals, and feeders and insect boxes?

We also make a wide variety of Camera Nest Boxes, and Wildlife Cameras and Accessories.

Some of our products:

Advanced Wireless Camera Nest Box

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 single-use or rechargeable batteries, and is already equipped with charger to utilise solar or wind energy

Wireless Camera Nest Box

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

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

Visit us at www.nestbox.co.uk,

Email us at mail@nestbox.co.uk

Telephone us at +44 (0) 1675 442299

Or scan the QR code :



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

WEEE Producer Registration Number WEE/HA3702UR

Battery Producer Registration Number BPRN03345