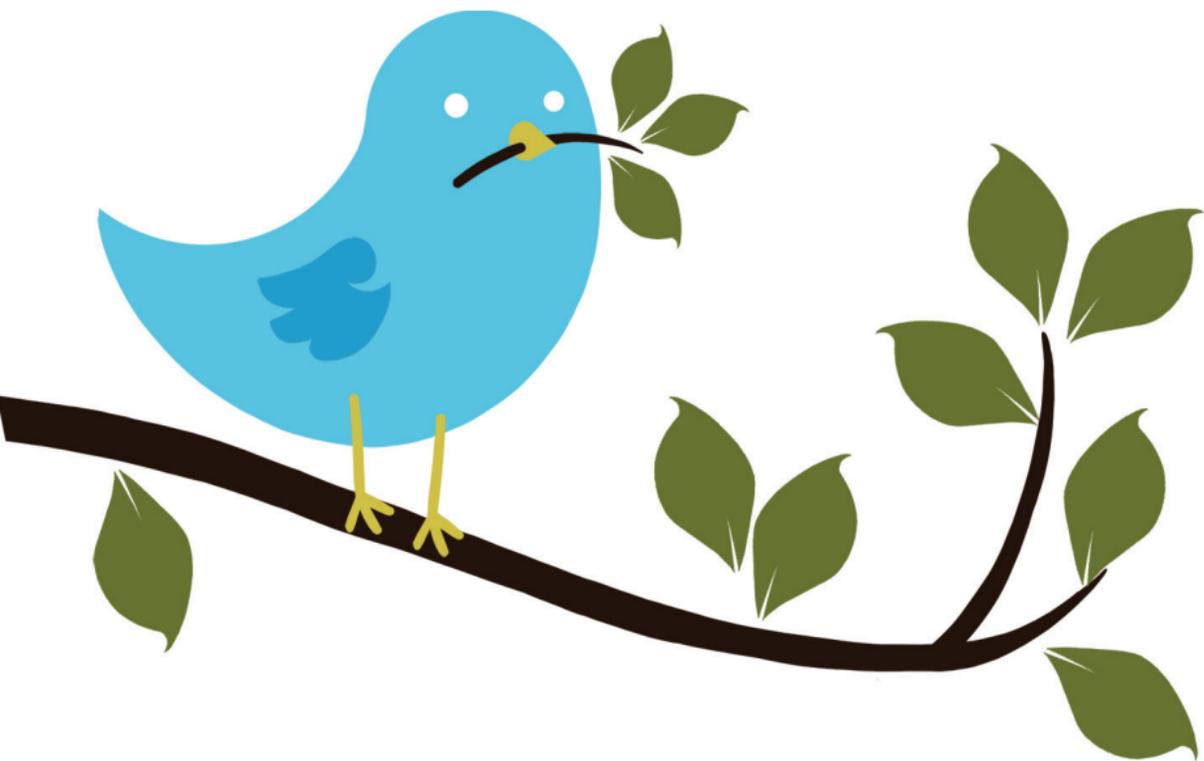




HD Bird Box Camera Kit
Quick Start Guide





Congratulations! You are now the proud owner of a Green Feathers Bird Box Camera. For years we have been a leading provider of wildlife cameras and our bird box cameras have been a number one choice for those wanting to watch wildlife in their very own garden from the comfort of the sofa. We are based in Bristol where our team have taken our fledgling cameras to new heights.

You will very soon be seeing high-quality images from your bird box. Once configured you'll be able to watch live on your smartphone, tablet and computer so you can show off visiting wildlife to your friends.

Please take a couple of minutes to have a read through this booklet before you get started. Not only are there some helpful hints and tips, but we also have some guidelines to help you plan the installation of your camera. With just a bit of time, a cup of tea and a friend you'll be up-and-running in no time. We hope you enjoy your camera!

WHERE TO PLACE YOUR BIRD BOX

Different birds have different needs when it comes to choosing where to place your bird box. Generally you should look to place your box in a quiet spot in the garden amongst other plants or trees, making sure to leave a clear path in for your birds to make their landing.

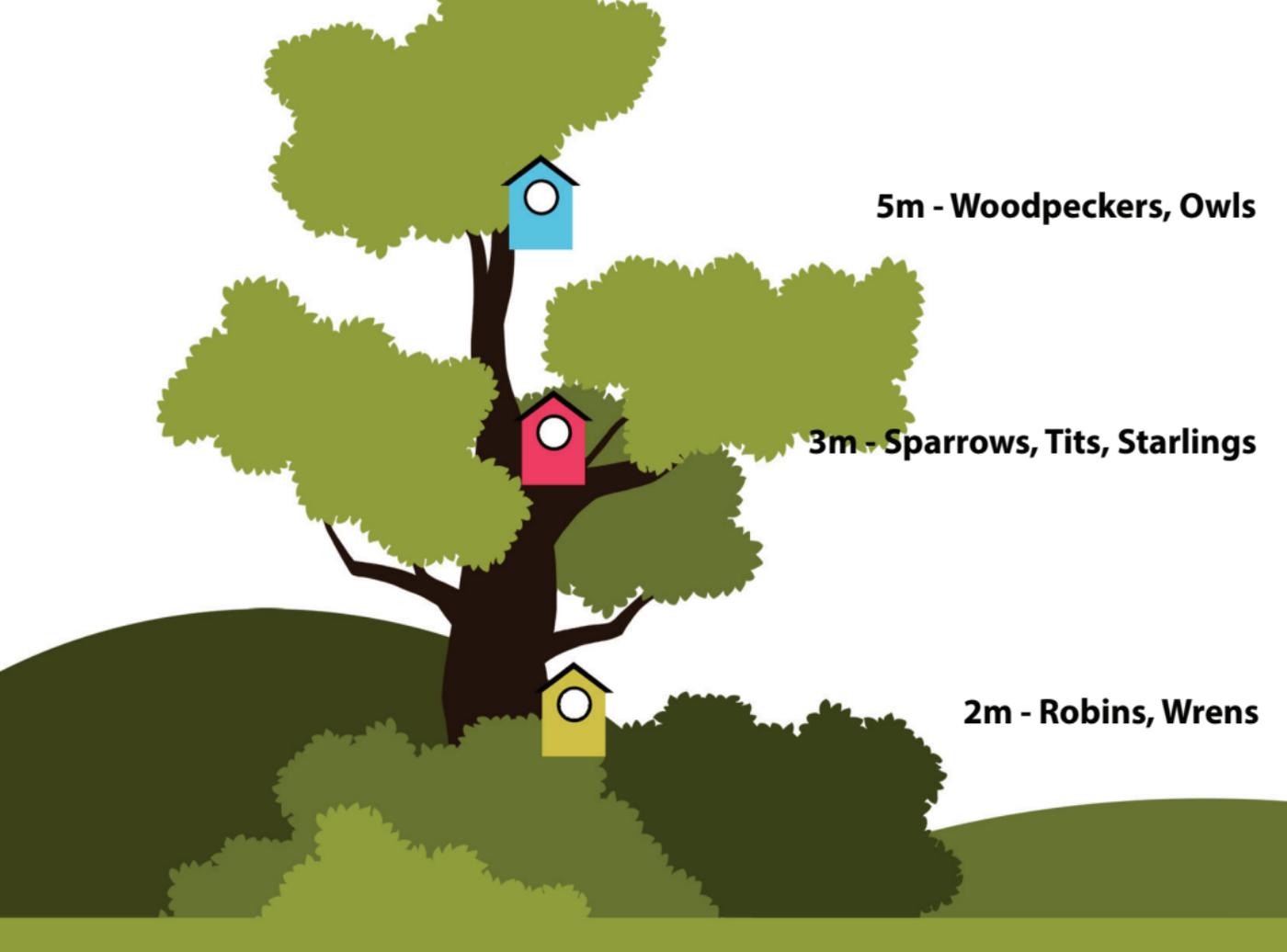
Unless there is a tree or building providing shade, it is generally a good idea to face the box between north and east to avoid direct sunlight and strong winds. Tilting the box slightly forward will also help to prevent rain from coming straight into the nesting area.

For blackbirds, robins and wrens you should place your bird box 1.5 to 2 metres high, well surrounded by planting.

For sparrows, starlings, tits and spotted flycatchers you should place your bird box 2 to 4 metres high and slightly covered with a clear entrance.

For woodpeckers, owls and kestrels you should place your bird box between 3 to 5 metres high in a nice open space.

If there are cats and other bird predators in the area then you should look to place your bird box a minimum of 2 metres above ground level.



5m - Woodpeckers, Owls

3m - Sparrows, Tits, Starlings

2m - Robins, Wrens

GETTING THE MOST FROM YOUR CAMERA

Wired camera connection tips

If you have a wired camera, plan beforehand where you plan to lay your cable from your bird box to your viewing device. Are you going to bury your cable and where is the entry point to your house going to be? Generally it is best to drill a single hole through your outer wall but if you have wooden window frames a small hole through the corner of the frame may be a better idea.

If you're burying the cable running through your garden then it is a good idea to protect it from the weather and burrowing animals. A simple way to do this is with some spare hose pipe. Simply run your cable through the hose, tape over the ends and bury. Some extra electrical tape over cable joints also helps keep water out.



FIND MORE HELP ONLINE

Learn more about setting up your camera online.

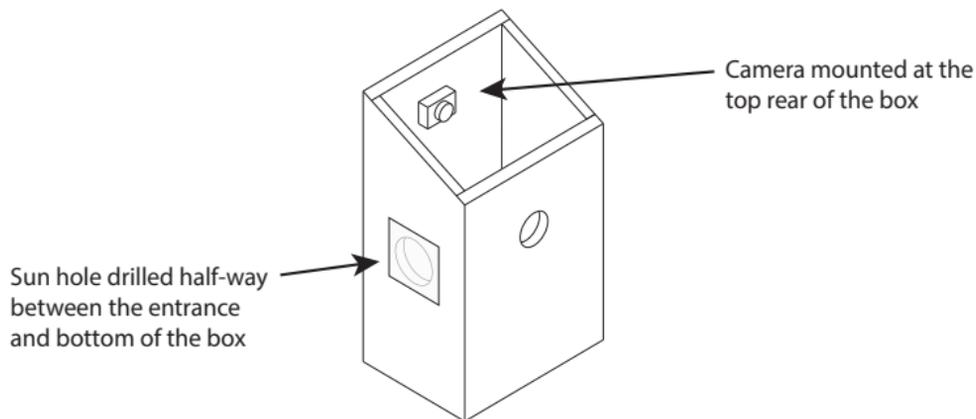
green-feathers.co.uk/help



Improving the lighting

The small LEDs around the lens of your camera helps to improve your picture in low light levels and at night, but they can reduce the vibrancy of colour during the day. There are two ways to improve the colour images from your camera.

1. **White Light Box:** acquire a white light box from us to assist light levels during the day.
2. **Perspex Window:** add a small perspex window to your bird box to introduce more light into the box without disturbing the residents. Simply drill a hole mid-way down the side of your box, below your camera and cover with a small pieces of 2–3mm thick sanded perspex fixed into place with a couple of screws. Sanding the perspex helps to soften the sunlight and reduce glare.



HOW TO SET UP A WIRED CAMERA

Before you install the camera into your bird box, wire up the camera indoors near your network router so you know that it is operating properly.

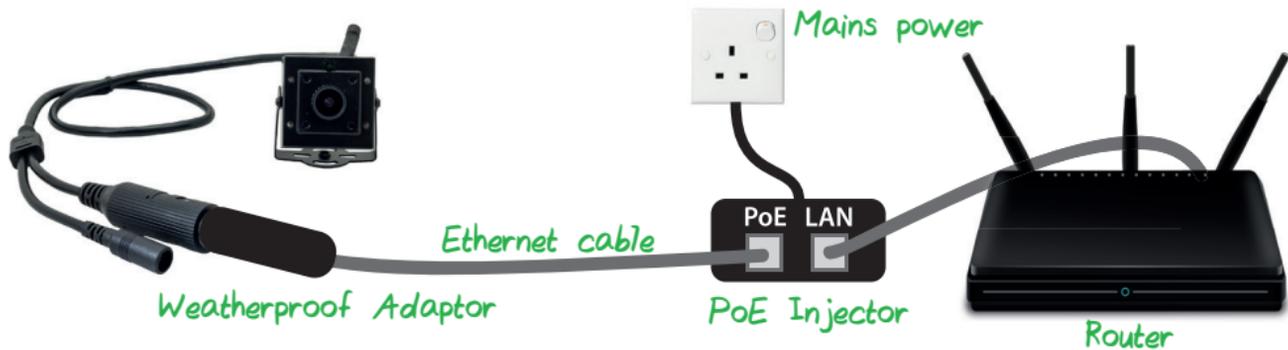
Connecting the weatherproof adaptor

Feed the end screw cap onto the Ethernet lead and then carefully add the red rubber seal onto your lead. Now connect the white rubber seal with the cut-away that is on the side. Add the other half of the connection onto your cable. Then feed the white rubber connection in between the black fins, it will fit but be careful not to break them. Once the white part is in you can carefully feed the red rubber seal in and then screw the end connection on. Now connect the Ethernet lead into the connection on the camera. Push and twist the two connections together. Push the end cap over the fins and then screw it in to place, this will be a firm connection so you may see the white bit pop out the end.



Connecting your camera

Connect the mains power supply lead into the PoE injector and the Ethernet cable from the camera into the port marked **PoE**. Connect the shorter Ethernet cable into the **LAN** port and the other end into an available port on your router.



Hints & Tips

- To prevent any noise being picked up on the microphone, make sure that it is positioned in a way such that it is pointing away from the camera's body
- Ensure that you have enough network cable length to comfortably reach between your bird box and network router
- If your router is too far away you can use Powerline adaptors to send the data using your house's electrical circuits



FIND MORE HELP ONLINE

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green-feathers.co.uk/help



HOW TO SET UP WI-FI CAMERA

Before You Begin

- Test the Wi-Fi strength at the site of your bird box using a smartphone or tablet
- Plug in the power supply into the trailing cable of the camera and remove the lens cap
- Attach the bracket to the bird box before mounting the camera to the bracket
- The camera also has the ability to work with a MicroSD card (up to 128GB) so insert the card into the slot on the camera if you want to record footage on the camera
- Download the **XMEye** app (see page 13 for more information)

Connecting to the Camera Directly

First, you need to connect to the Wi-Fi camera directly to activate it. When the camera is powered up, open the Wi-Fi settings on your smartphone or tablet and the network with the following name should appear **beye_*****. Select and enter the password **1234567890**. Should this Wi-Fi Network not appear it may mean that you need to reset the camera. To do this press and hold the reset button for 15 seconds on the camera as shown below.

Once connected, open the app and select **Direct Login** in the bottom right of the screen. Your camera will be listed, so simply tap on it to check that you are receiving live images. This method of connecting has limited functionality as you won't be able to view the

camera remotely or from other devices on your network. Furthermore, the range of the Wi-Fi from the camera in this mode is limited. Therefore, we would recommend to now connect the camera to your Wi-Fi network.

Connecting the Camera to Your Wi-Fi Network

1. Ensure your smartphone is connected to the Wi-Fi network you want the camera to use
2. Double press the white button found on the end of the cable on the camera
3. Open the app on your phone and tap **Local Login** in the bottom-left corner
4. Now select the + icon in the top-right and tap **Quick Configuration**
5. Enter your Wi-Fi network password and select the two options **Ensure the indicator** and **Device Operation**
6. Tap **Complete all of the above operation** at the bottom of the screen
7. If you are prompted with a question asking whether your device is post-2015 select **Yes**
8. Wait for the app to scan the network and your device should show up as a green icon
9. Tap this and it will automatically fill out all the details needed to connect to the camera
10. Select **OK** at the bottom of the screen
11. Your device should now appear in your device list and you will be able to watch live video over Wi-Fi from your bird box camera

INSTALLING THE PC SOFTWARE

To watch and record footage from your camera on your PC you can download the Windows PC software.

Once you've installed the software find and run **SNVR**. The first time you run the software it will automatically search for cameras on your network. If this is successful the video feed should appear.

The last thing to do is to make sure that the camera has a **Static IP address**. To do this right-click the live camera picture and select **Remote Configuration**. Select the Network tab and in the config menu *untick* the **Enable DHCP** tick box and click OK.



FIND MORE HELP ONLINE

Learn more about installing the software online.
green-feathers.co.uk/help



DOWNLOADING THE APP ONTO YOUR SMARTPHONE

To view live images on your iPhone, iPad or Android device you can download the app. Search for **XMEye** on Apple App Store or Google Play Store; alternatively scan the QR codes below.



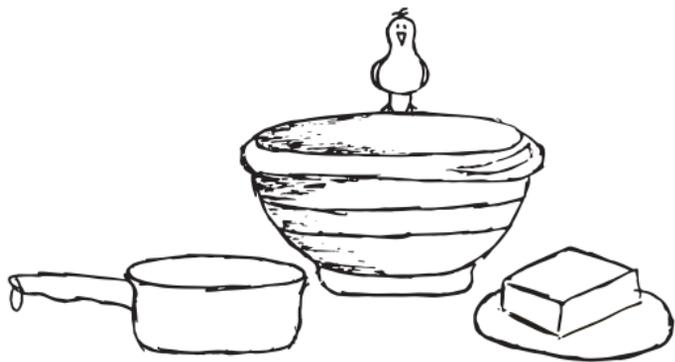
Once you've opened the app you'll be presented with a login screen. Tap on **Local Login**.

Tap on the plus symbol on the top right-hand corner to add a new device and search for devices on your local network. Once the camera is found you can add it to the device list. Tap on this now to connect to the live video feed.



FAT BALL CAKES

Something fun for a Saturday afternoon to attract wildlife into your garden. Great in winter when food is scarce. Productive, enjoyable and most of all cheap!



Types of Container

- Yoghurt pots
- Coconut shells
- Small plant pots
- String
- Lollipop sticks or twigs

Ingredients

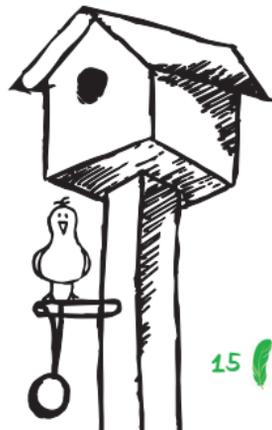
- Lard or suet
- Bird seed
- Porridge oats
- Peanuts (suitable for birds)
- Raisins
- Kitchen scraps

Equipment

- Mixing bowl
- Saucepan
- Mixing spoon
- Cling film
- Bowl of cold water
- Rubber gloves (optional)

Method

1. Melt the lard/suet into the saucepan, don't let it burn
2. Once melted, put all dry ingredients into a mixing bowl and then add the lard/suet. If you are going to mix everything together using your hands then make sure that the fat has cooled down enough before you get your hands stuck in!
3. Preparing the containers. Now you have the mixture ready, get a piece of string and loop it and tie a knot in the end of it. Remember not to make the loop too small such that it won't fit over the branch/hook etc.
4. Press the soft mixture into the yoghurt pot/chosen container and around the string, making it as compact as possible so that the string doesn't escape.
5. Once filled to the top of the yoghurt pot, leave the mixture to cool. Storing in a cold shed or garage would be ideal, you could just as easily store them in the fridge.
6. After the mixture is chilled, you need to remove it from the container. The best way to do this is to partially fill a bowl with warm water and place the container in. This way the water will warm the fast slightly in order to soften it allowing you to remove the fat balls.



FURTHER RESOURCES

Find out more about wildlife in your garden.

Lots of helpful tips on attracting more wildlife to your garden:

www.rspb.org.uk/birds-and-wildlife/bird-and-wildlife-guides/

www.wildlifegardener.co.uk

www.wildaboutbritain.co.uk/forums

Plenty of tips and guides on living green:

www.thedailygreen.com



green-feathers.co.uk