



USER MANUAL

BIRD ALERT



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Quick Guide

Dear Customer

Congratulation on your BirdAlert® detection system – we hope you will be happy with it. Below you will find a quick guide of how to get started with BirdAlert®. If you wish for a more thorough description, please read the user manual.

1. WebApp

Start by accessing our WebApp at the homepage birdalert.dk on which you can monitor your BirdAlert's and change their settings. On our homepage wilddetect.com/en/app you can find more information about getting started using the web app.

2. Connecting the selected power source

BirdAlert® must only be charged with a power source approved by WildDetect®. You can find more information regarding this on our homepage. Connect an external battery to input "B" if this option is selected. Connect a solar panel to input "C" if this option is selected. Connect a AC to DC power adapter to input "C" if this option is selected.


3. Fitting and connecting the BirdAlert® microphone

The microphone is connected to input "A" on the BirdAlert®.


4. Connecting scare tools to the BirdAlert® box

Only connect scare tools approved by WildDetect® to the BirdAlert® box. Read more regarding this on our homepage. The selected equipment must be connected to the outputs "1-5". Note: You cannot connect a speaker to output "5".

5. Turn BirdAlert® on

To turn the system on, press and hold the on/off button for one second. The on/off button is marked with the symbol . After a maximum of two minutes the LED will be constantly on with a short flash every second. This means the system is up and running. If speakers are connected to BirdAlert®, "system ready" will be announced.

6. Turn BirdAlert off

To turn off the system, press and hold the on/off button for five seconds. The on/off button is marked with the symbol . After approximately one minute the system will be turned off and the light in the LED will be off.

Introduction

Dear customer, congratulations on your new BirdAlert® detection system.

For BirdAlert® to reach its full potential, we recommend that you read this user manual through before starting the system. It is also recommended to keep this manual for future use. It can also be found on our website. In the following “BirdAlert® detection system” will be abbreviated to BirdAlert®.



Follow the safety instructions!

This symbol denotes a warning of potential danger if the guidelines in the BirdAlert® user manual is not followed.

Warranty

WildDetect® offers one year of warranty on BirdAlert® and enclosed products, starting from the billing date. The purchase invoice functions as the customer’s warranty certificate. The warranty covers product defects present on the billing date. The warranty is annulled if the guidelines described in this manual are not followed.

The warranty is annulled if:

- The customer opens the BirdAlert® box and/or breaks the seal shown in figure 1
- Third party equipment, which is not approved by WildDetect®, is connected to BirdAlert®
- BirdAlert® is damaged by extreme physical strain
- BirdAlert® is hit by lightning
- BirdAlert® is submerged in liquid



Figure 1: Seal on the BirdAlert® box

Responsibility

It is the customer's responsibility to adhere to the safety instructions in the user manual. It is at the customer's own risk to use BirdAlert®, so it is important that the safety instructions are taken seriously. WildDetect® is not responsible for injuries due to neglect of the safety instructions.

It is the customer's responsibility to employ the optimal system setting and to place the product according to the guidelines in the user manual. WildDetect® is not responsible for a lack of effect because of missing correction of BirdAlert®.

It is the customer's responsibility to observe the functionality of the BirdAlert® and contact WildDetect® in case of defects. WildDetect® is not responsible for absent functionality, because of defects, if the customer has not made WildDetect® aware of said defects.

External environmental factors like wind and weather can decrease the efficiency of BirdAlert®. WildDetect® is not responsible for an absence effect of BirdAlert® due to heavy rain, strong winds or other environmental factors.

BirdAlert® was developed to scare certain species of birds from specific areas, with the purpose of minimizing economic loss. WildDetect® is not responsible for economic loss, problems and damage due to absent effect of the BirdAlert®.

WildDetect® is solely responsible for the technical functionality of BirdAlert®, and cannot be held responsible for the functionality of third party scare equipment.

Product description of the BirdAlert®

Productname	BirdAlert®
Part number	210059
User manual	Version 2.0
Description	BirdAlert® is the intelligent bird detection system, which recognizes hazardous bird species through the BirdAlert® microphone. If undesirable birds are detected, BirdAlert® can activate connected scare tools in a varied pattern and thus create the optimal scare effect.
Areas of utilization	BirdAlert® can be used to protect crops, Christmas trees, fruit- and berry plantations, animal productions and in industrial areas.
Manufacturer	Daugaard Elektronik ApS.
External materials	The BirdAlert® box is made of HPX plastic. The BirdAlert® microphone is made of stainless steel A2. BirdAlert®, including the microphone, is dust proof and resistant to heavy rain.



Please note: BirdAlert® may not be submerged in liquid or be cleaned by pressure washers!

Accessories

BirdAlert® is solely a detection system. Therefore, it is necessary to connect external scare products for the system to scare away unwelcome birds.

The advantage of BirdAlert® is that a wide variety of scare products can be connected, which allows for greater success than competitors' products. Experience shows that the greatest and most lasting effect is achieved by using a variation of different scare equipment.

Information on which scare products you can connect to BirdAlert® can be found on our website www.wilddetect.com or by contacting WildDetect® on wilddetect@wilddetect.com.

Safety precautions

Before BirdAlert® is installed, the following safety instructions must be read carefully.

Moving BirdAlert®

BirdAlert® must be turned off, before the system is moved. This must be done to prevent untimely activation of scare equipment, which can create potentially dangerous situations.

Safety instructions near BirdAlert®

Note that scare equipment can be aggravating for its surroundings e.g. due to the noise generated by speakers and propane cannons or bright lights reflected towards nearby drivers. Therefore, you should always read the guidelines that comes with the scare equipment and consider where it would be appropriate to use which kinds of scare effects.

When in doubt, you can always contact WildDetect® at contact@wilddetect.com.

Environmental considerations

BirdAlert® contains a lead acid battery that contains fluids. For batteries that contain fluids the following environmental regulations apply.

- Batteries must always be kept with due care to the environment to avoid contamination of soil and ground water
- Batteries must be kept in a suitable acidproof packaging and under a roof, on a firm bottom with no outlets to sewers, soil, streams or ground water

Disposal

The following environmental regulations must be kept when disposing the battery and BirdAlert:



- The product(s) should not be mixed with general household waste (2012/19/EU)



- The product(s) should not be mixed with general household waste (2006/66/EF)

Technical data

Operating voltage	12V DC								
Maximum power	60 W								
Microphone active	3 W								
Sleep mode	12 mW								
Internal battery	Fiamm FGL33: 12 V, 33Ah lead-acid battery								
Microphone	WildDetect® microphone, 3,3V								
External battery	The external battery must be a 12 V lead-acid battery with a capacity of at least 100 Ah								
Output no. 1-4	The output is 12 V, 1 A max								
Output no. 5	The output is 12 V, 1 A max Please note: speakers should not be connected to output no. 5								
Dimensions	<table> <tr> <td>Width</td> <td>30 cm.</td> </tr> <tr> <td>Depth</td> <td>25 cm.</td> </tr> <tr> <td>Height without microphone</td> <td>20 cm.</td> </tr> <tr> <td>Height with microphone</td> <td>59 cm.</td> </tr> </table>	Width	30 cm.	Depth	25 cm.	Height without microphone	20 cm.	Height with microphone	59 cm.
Width	30 cm.								
Depth	25 cm.								
Height without microphone	20 cm.								
Height with microphone	59 cm.								
Weight	15 kg.								
Temperature	<table> <tr> <td>Operation</td> <td>-10°C til +40°C</td> </tr> <tr> <td>Storage</td> <td>+15°C til +25°C</td> </tr> </table>	Operation	-10°C til +40°C	Storage	+15°C til +25°C				
Operation	-10°C til +40°C								
Storage	+15°C til +25°C								
Endurance	Water and dust proof								

System overview

A subsequent purchase of a power supply is needed before using BirdAlert®. There is a choice between an outdoor charger (product number 210058) and a solar panel (product number 210036). Contact your distributor or WildDetect® to find the best suited option for you.

On the image below, you can find an overview of the box:



Figure 2: Overview of the box

Explanation

- 1 The BirdAlert box
- 2 Sticker that shows the unique serial number of the box
- 3 The microphone
- 4 The speaker arm with speakers
- 5 A handle to lift BirdAlert

Inputs and outputs

On the back of BirdAlert® inputs and outputs can be attached. A colour coding system is used to show which outputs each port has available. The colour codes are as follows:

A BirdAlert® speaker can be connected

A 12V digital signal can be used for controlling external products

A 12V, 1A analogue signal can be used for controlling external products



1

On/off button with a built-in LED that indicates the status of the system

2

Input A for connecting the BirdAlert® microphone through a 4-pole plug

3

Input B for connecting and external battery through a 3-pole plug

4

Input C for connecting a BirdAlert® charger/solar panel through a 2-pole plug

5

8

4-pole output no. 1-4 for connecting a BirdAlert® speaker or other external equipment. Colour code: red, yellow and green

9

4-pole output no. 5 for connecting external equipment.
Note! Speakers can not be attached here

How to get started

In this section it is described how BirdAlert® is assembled step by step. At www.wild-detect.com/en/videoguides you can find a video guide of how to assemble BirdAlert®. BirdAlert® comes with mounted speakers but the BirdAlert® microphone must be installed by following this guide.

1. Loosen the brackets, by turning the wingnuts counter clockwise, as much as possible, without the nuts falling off the screws. Please be aware of the speaker arm that will loosen when the brackets are loosened.

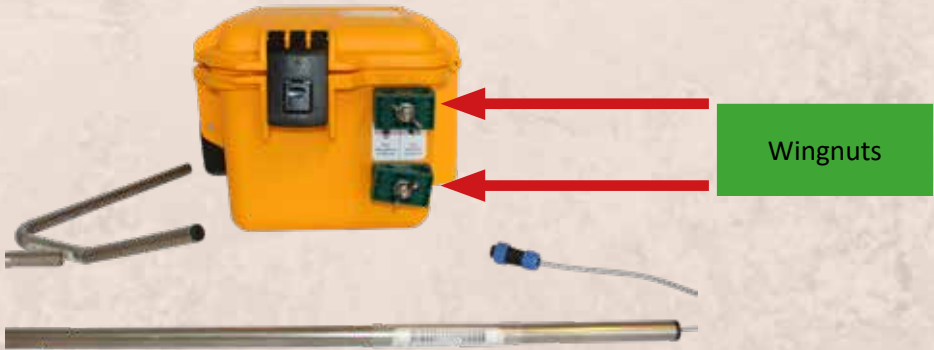


Figure 4: Loosen wingnuts

2. Gently slide the microphone cable into the clamps, as shown in figure 5. After this gently slide down the BirdAlert® microphone, until the plastic around the microphone arm hits the upper bracket. Tighten the wingnuts so the microphone and speaker bracket are held in place but can still be turned.

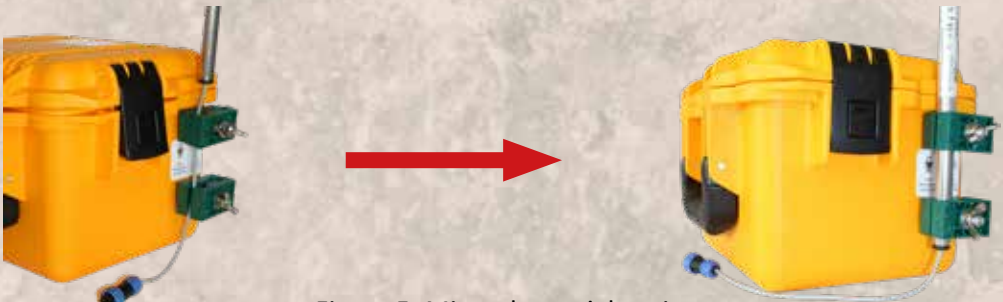


Figure 5: Microphone tightening

3. Turn the microphone sideways and place it directly over the center of the BirdAlert® box as shown in figure 6.



Figure 6: Adjusting the microphone

4. Tighten the brackets by turning the wingnuts clockwise until the microphone is tightened.
5. Attach the microphone onto the rear panel of BirdAlert® by connecting the male connector of the microphone cable to the female connector marked with the microphone icon (input A), as shown in figure 7.

The procedure is as follows:

Remove the blue cover from the female connector by turning it counter clockwise. When the microphone is detached the cover must be put back on. Slide the male connector into the female connector. Make sure the two connectors are in the matching position, before they are put together. See figure 7. Lock the connection by turning the blue ring on the male connector clockwise.



Figure 7: Connecting the microphone

How to turn BirdAlert® on/off

When you receive a new BirdAlert® from WildDetect® the system is off by default. The indication LED located within the on/off button is used to indicate the status of the system. When BirdAlert® is off, the indication LED is off.

Please note: BirdAlert® must be off during storage and when the system is not in use to protect the built-in battery. BirdAlert® must be off during transport, due to the possibility that error detections may result in activation of any connected scare equipment.

How to turn on BirdAlert®

- Press and hold the on/off button for 1 second until the indication LED starts blinking
- Release the on/off button. The indication LED will blink at a pace of 1 second on and 1 second off for around 2 minutes, during the system start up procedure
- When the BirdAlert is ready, the indication LED changes pattern to being on most of the time with a short off period each second
- If a BirdAlert speaker is attached to the system, it will announce “System ready” when the system is ready after start-up

How to turn off BirdAlert®

- Press and hold the on/off button for approx. 5 seconds, until the indication LED starts blinking very fast
- Release the on/off button. The indication LED will blink once before all light turns off and the system starts shutting down. After one minute BirdAlert will be completely shut down

Setup and use of BirdAlert®

Experience shows that birds quickly return to unaltered scare equipment, like stationary scarecrows/hawk kites or propane cannons and speakers acting by an unaltered pattern. To achieve the optimal results it is important that these guidelines are followed:

- BirdAlert® is meant to scare away specific bird species. For more information on which species it can scare, please look at www.wilddetect.com
- To give the BirdAlert® microphone optimal working conditions the system must be placed at least 100 meters away from traffic and at least 200 meters from wind mills and heavy traffic.
- The optimal effect is achieved by placing BirdAlert® in the centre of the desired area.
- When BirdAlert is not needed, it is best to turn the box off to keep the birds from habituating.
- For more information regarding BirdAlert® and external scare tools please see www.wilddetect.com

Maintenance

Do not under any circumstances attempt to clean BirdAlert® with a pressure washer or a compressed air gun. Doing so can damage the electric components within BirdAlert®. Turn off BirdAlert before cleaning. This must be done to avoid any unwanted activation of scare effects, which can create risks of personal damage.

Dust and dirt may reduce the sensitivity and range of the detection system, and thereby reduce the efficiency of the entire system. To avoid this, remove dust and dirt regularly, that prevents sound from passing freely to/from microphones or other scare tools. BirdAlert® can be cleaned using soapy water and a wrung cloth. During storage, the BirdAlert® System must be turned off to protect the internal battery from over-discharging and to avoid activating attached scare equipment untimely.

For correct cleaning of third party equipment, WildDetect® refers to the manufacturer for guidance on maintenance.

Software key

BirdAlert® comes with a pre-installed software-key, which ensures that the system can send data to our server. This key is a safety precaution that ensures there are no changes of the BirdAlert® system and to ensure the integrity of our customer's data.

Please note: The software key is deleted if BirdAlert® is opened to protect the customers data. Therefore, it is really important not to break the seal on the box and try to open the system without a WildDetect® employee.

Default settings

BirdAlert® comes with the following default settings:

- The system is shut down between 23 (11PM), and 4 (4AM)
- BirdAlert® is set to listen for rooks, seagulls and geese
- The sensitivity for each species is set to neutral = 0

All three settings, and much more, can be controlled through the web app, which can be found at www.birdalert.dk. The web app is also available in English. Read more about the web app at www.wilddetect.com.

BirdAlert.dk web app

Getting started

To access the BirdAlert® web app visit the website birdalert.dk. To get started you must create an account, by following these instructions:

1. Press “Account” in the top right corner of the page
2. Press “Create account”
3. Fill in all the fields and press “Create account” at the bottom of the page
4. You will receive an e-mail with a hyperlink which you must press to verify your account
5. Update birdalert.dk

When you have updated the webpage, you will be logged into your new account. To access your BirdAlerts® you must add them to your account by following these instructions:

1. Press the blue circle with a plus in the lower left corner of the page
2. Fill out all the fields and press “Add BirdAlert”. Please notice when you pick a case for a BirdAlert® its settings will be changed in accordance with WildDetect’s experience. If you wish to keep your current settings, choose “Keep current settings”

The serial number and ID can be found on your BirdAlert®. If you are in doubt, please contact your dealer. Note that when you add a BirdAlert® to the web app it is no longer accessible through the old BirdAlert® app for Android or iPhone.

When you have added a BirdAlert® to your web app you can access it by pressing its name in the list. For more information about using the app or an explanation of the available functions please see our manual, which can be found at www.wilddetect.com/en/manuals-and-guides.





WildDetect

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