



AgriProTech

Innovation dedicated to farmers' help and assistance

USER GUIDE BIRDTRAC©

AGRIPROTECH - ALL RIGHTS RESERVED.

How to benefit from the 1 year AgriProTech manufacturer warranty ?

A. You bought your BirdTrac® acoustic bird repeller directly from AgriProTech

Your warranty is automatically activated.

B. You bought your BirdTrac ® acoustic bird repeller from one of our resellers

It is really easy to benefit from the 1 year AgriProTech manufacturer warranty:

1. Create a customer account on www.AgriProTech.fr.
2. Send us an email with the following details:
 - Serial number of your device (silver label on the top left of the waterproof case, e.g.: *AVT-012317*)
 - Invoice date and number and name and address of the reseller from which you bought your BirdTrac ®.

It's done!

If you have any question, please feel free to contact us on +33 (0)2 98 96 08 12 or email us at contact@agriprotech.fr.

User guide BirdTrac®

You have purchased a BirdTrac® acoustic bird repeller. Please read this user guide to get the most out of your device. Please follow the instructions provided here and keep this document for future reference.

Your BirdTrac® includes:

- ➔ An IP55 electronic control panel comprising:
 - An electronic module with a screen and keypad
 - A memory card of repellent acoustic signals
 - A loudspeaker
- ➔ A mains power cord

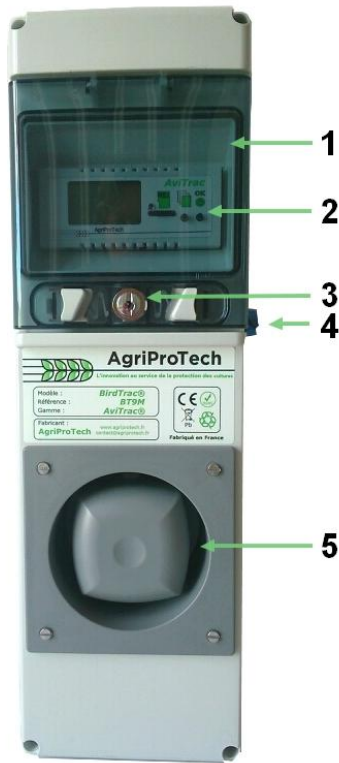
WARNING: BirdTrac® starts as soon as it is connected to the power supply and emits 104 dBA at a distance of 1 meter. To stop emitting, press OK.

If you encounter the slightest difficulty with your BirdTrac® repeller, please contact AgriProTech customer service on +33.(0)2.98.96.08.12 or by email at contact@agriprotech.fr.

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I - The different components of the BirdTrac® repeller



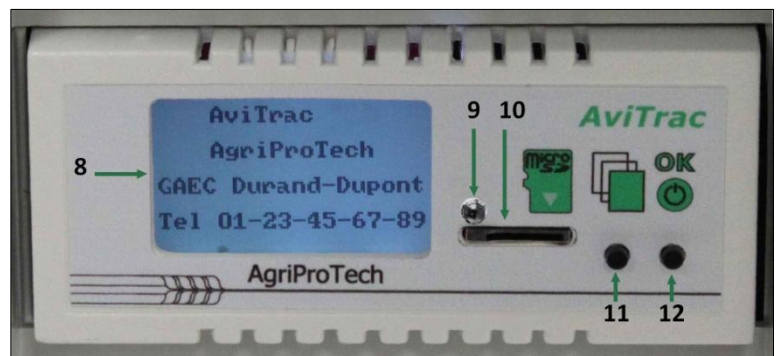
1. Overview

1. Transparent cover protecting electronic control panel
2. Electronic control panel (see detail below)
3. Keylock (optional)
4. Mains power inlet
5. Loudspeaker
6. & 7. Mains power adapter and cable




2. Electronic control panel

8. Screen
9. Luminosity sensor
10. Memory card slot
11. Select button
12. OK button



II - Warnings:

1. First use

- **WARNING : BirdTrac® starts as soon as it is connected to the power supply and emits 104 dBA at a distance of 1 meter. To stop emitting, press OK.** 
- The BirdTrac® device should be used with caution when livestock are nearby, as the distress signals can provoke unpredictable reactions in certain animals. Animals generally become used to the repellent signals within 24-48 hours.
- The BirdTrac® device can emit acoustic signals of up to 110 dBA at a distance of 1 meter. Never stand in front of the loudspeaker when it is emitting at full power.
- The warranty may not be valid if the original memory card is replaced.

To reduce the habituation effect, it is important to vary the sounds emitted as well as the intervals between each signal. Emit only when necessary in order to maintain the efficiency of the signals.

2. Sounds

Some sound signals may seem unusual; they are the result of considerable research on animal behavior. Particular tones are accentuated because they are more efficient than others.

That signals are conceived to “confuse” pest animals. Indeed, they are recognized as stressful, but the birds, unable to identify them or recognize them clearly, will end up tiring of them and will leave the protected area.

In the context of bird-scaring sounds, it is important to prevent the habituation effect. So it is necessary to vary the sounds emitted, but also the intervals between each signal. Emit only when necessary in order to maintain the efficiency of signals.

3. Mains power supply

Your BirdTrac® device comes with a mains power supply cord. This cord is plugged into the right-hand side of the device (see Paragraph I. Chapter 1.). When the device is disconnected from the power supply, the default settings are restored.

Your BirdTrac® mains power adapter and cable are not waterproof. They must therefore be used in a clean, dry place.

If you wish to leave your device connected to an outdoor power supply, a waterproof cable, available in 5 meters (ref. A0961) or 10 meters (ref. A0962), must be used. If required, please do not hesitate to contact your local reseller.

III - Fixation

Your BirdTrac® device can be mounted on a permanent structure:



1. Unscrew the 4 screws (see Figure 1) from the waterproof casing using a Phillips screwdriver (not provided)
2. Drill holes for the wall-mounting screws at the mounting points provided in the casing (see Figure 2).
3. Choose suitable screws according to the wall material (screws not provided).
4. Screw the device to the wall.
5. Place the plastic caps provided over the drilling points in the casing (see Figure 3).



1 Screw holes on the BirdTrac® waterproof casing

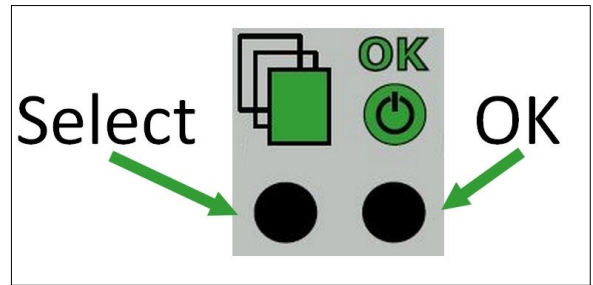
2 Wall-mounting drilling points

3 Caps to protect wall-mounting drilling points

IV - Programmation

1. Screen and keyboard

The AviTrac® acoustic bird repeller is programmed via its screen and its two buttons. The 2 buttons are named Select and OK (Picture 13).



4 Boutons Select and OK buttons

2. Default settings

The default operating procedure is as follows::

- BirdTrac® starts as soon as it is connected to the power supply (alarm activated by default).
- **WARNING: BirdTrac® starts as soon as it is connected to the power supply and emits 104 dBA**
- **at a distance of 1 meter. To stop emitting, press OK.**
- A signal is emitted every 20 minutes.
- The volume is set at 14, i.e. 104 dBA. The maximum volume is 15, i.e. 110 dBA.
- By default, the device emits from 0:00 to 23:59.
- The default language is French.
- When the device is disconnected from the power supply, the default settings are restored.



3. Switching on the device

The activation of scaring signals can be programmed in two ways:

- a. With the **“programmable” alarm**, you can choose the start and end times of sound emissions.
- b. With the **“luminosity” alarm**, the signals activate at sunrise and stop at the end of the day, thanks to the luminosity sensor on the electronic module.



Caution: To avoid the emission of unwanted sound signals, it is important to choose ONE alarm: either the **“programmable”** alarm or the **“luminosity”** alarm.

To start programming the device, press and hold the OK button for 4 seconds (until the AviTrac® screen lights up). You can access the menu quickly by pressing the OK button again. Information about the device identification (version of the device and software) appears. You can switch back from this screen by pressing on the OK button again.

The “Menu” screen appears and indicates if the **“programmable”** (a. in the picture opposite) and **“luminosity”** alarms (b. in the picture opposite) are active or inactive. Once in the “Home” menu, press the Select button to browse between the different programming pages.



The first “Status” screen gives you the following information on your AviTrac® device:

- Whether the memory card is inserted or not
- Battery level in %
- Battery level in mV
- Luminosity in mV




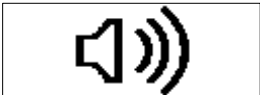

You can press the Select button again to close this screen and browse the following menus.









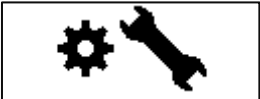
Hint:

- When browsing through the different menus, you can return to the Home menu by holding down the Select button for a few seconds.
- To stop a signal which is currently being emitted, just press the OK button.

4. Programming the different menus

Screen and menu name	Programming
<p>Activation of the “programmable” alarm</p> 	<p><i>If you wish to program the start and end time of signal emissions, activate this alarm and set the time of your choice in the next two menus.</i></p> <ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Press OK again to choose active or inactive. ➤ Once you have chosen, press Select. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Activation of the “luminosity” alarm</p> 	<p><i>It is possible to program the AviTrac® device based on sunrise and sunset. The “luminosity” alarm needs to be activated in order for emissions to start and stop depending on the luminosity sensor data.</i></p> <ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Press OK again to choose active or inactive. ➤ Once you have chosen, press Select. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Emission of N sounds (test emission)</p> 	<p><i>Via this menu, sounds can be emitted instantly without programming start and end times. It can be used as a “shortcut”. To use this function you must choose the number of sounds (N) to be randomly diffused.</i></p> <p><u><i>This menu has no impact on programming. It can be used to test an emission</i></u></p> <ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Choose the number of sounds to be emitted by pressing the OK button repeatedly. ➤ Once the desired number of sounds is reached, press the Select button. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Sound volume</p> 	<ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Choose the desired sound volume by pressing the OK button repeatedly. ➤ <i>(Minimum: 05; Maximum: 15 = 120 dBA @ 1 meter)</i> ➤ Once you have selected the desired volume, press on the Select button. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Sound recurrence (Interval between each signal)</p> 	<p><i>Break time setting between each signal emission (recommended: 20/30 min.)</i></p> <ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Program the seconds by pressing the OK button repeatedly then press the Select button to validate the seconds and switch to the minutes. ➤ Program the minutes by pressing the OK button repeatedly then press the Select button to validate the minutes and switch to the hours. ➤ Program the hours by pressing the OK button repeatedly then press the Select button to validate the hours. ➤ Press OK button to confirm your choice and go to the next menu.

<p>Start alarm (programmable)</p> 	<ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Program the seconds by pressing the OK button repeatedly then the Select button to validate the seconds and switch to the minutes. ➤ Program the minutes by pressing the OK button repeatedly then press the Select button to validate the minutes and switch to the hours. ➤ Program the hours by pressing the OK button repeatedly then press the Select button to validate the hours. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Stop alarm (programmable)</p> 	<ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Program the seconds by pressing the OK button repeatedly then press the Select button to validate the seconds and switch to the minutes. ➤ Program the minutes by pressing the OK button repeatedly then press the Select button to validate the minutes and switch to the hours. ➤ Program the hours by pressing the OK button repeatedly then press the Select button to validate the hours. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Device time (current time)</p> 	<ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Program the seconds by pressing the OK button repeatedly then press the Select button to validate the seconds and switch to the minutes. ➤ Program the minutes by pressing the OK button repeatedly then press the Select button to validate the minutes and switch to the hours. ➤ Program the hours by pressing the OK button repeatedly then press the Select button to validate the hours. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Sound selection</p> 	<p><i>Choice of repertoires of sounds to be emitted depending on the targeted species (see section IV, paragraph 5).</i></p> <ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ The names of the repertoires are displayed. ➤ To select or deselect a repertoire to be emitted, press on OK. ➤ <u>An arrow appears in front of the name of the repertoire when it is selected and the arrow disappears when it is not selected.</u> ➤ Press the Select button to validate the choice of a repertoire and go to the next one. ➤ Repeat this action until the end of the repertoire scroll and the request for confirmation. ➤ Press OK button to confirm your choice and go to the next menu.
<p>Language selection</p> 	<ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Use OK button to move through the language list ➤ Once the language of your choice appears on the screen, press Select ➤ Press OK button to confirm your choice and go to the next menu.

<p>Screen contrast</p> 	<p><i>Adjustment of the screen contrast.</i></p> <ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Press OK to select the contrast of your choice. ➤ Press Select to validate your choice. ➤ Press OK to confirm your choice and go to the next menu.
<p>Factory settings</p> 	<ul style="list-style-type: none"> ➤ Press OK button to enter this menu. ➤ Press OK again to erase programming settings and restore original settings: the message "Erasure!!!" appears. ➤ If you do not wish to restore the original settings of the device, choose to retain the programmed settings: the message "Retain settings" appears. ➤ Once you have chosen the desired action, press on Select. ➤ Press OK button to confirm your choice and return to the main menu.

5. Emission intervals

It is important not to emit more sounds than necessary. Animals have a highly developed sense of observation; if the signals are emitted too often, they may be liable to quickly acclimate to them. The aim is to surprise the birds and other undesirable animals and to make the emission area hostile.

The minimum recommended sound signal emission interval is 20-30 minutes. However, for short periods, it is possible to reduce this interval.

For information, the interval is on average XX minutes + an average deviation of 10% of this interval.

6. Choice of emitted sounds

Several repertoires are listed in the "Sound selection" menu. The sounds to be emitted should be selected according to the species to be repelled, used the table below as a guide.

WARNING: The "NaturalCalls1" repertoire contains predator calls which may attract buzzards.

To repel buzzards, the following repertoires can be used: Interspecific, Gene Physio and Synthesis Corvids

Species to be scared	Repertoires to emit
Jackdaws, Ravens, crows, , Magpies, Jays	<ul style="list-style-type: none"> ➔ Synthesis Corvids ➔ Interspecific 1 ➔ NaturalCalls 1
Gulls, Seagulls, Cormorants	<ul style="list-style-type: none"> ➔ Synthes Seabirds ➔ NaturalCalls 2 ➔ Interspecific 1 ➔ Discomfort 1
Starlings	<ul style="list-style-type: none"> ➔ Synthes Starlings ➔ NaturalCalls 1 ➔ Interspecific 1 ➔ Synthesis Corvids ➔ Discomfort 1
Pigeons, Turtledoves	<ul style="list-style-type: none"> ➔ NaturalCalls 1 ➔ Interspecific 1 ➔ Discomfort 1

V - Maintenance

1. Device storage

When not in use, the device may be stored in its original packaging.

2. Waste management

When this product reaches the end of its useful life, it should be recycled as used electronic equipment.

VI - Troubleshooting

Problème rencontré	Solution(s) possible(s)
The BirdTrac® acoustic bird repeller is emitting outside programmed time slot.	<p>The “luminosity” and “programmable” alarms are activated at the same time. Both alarms are “in conflict” and cause the device to malfunction. One of the two alarms must be deactivated.</p> <p><i>More info:</i> Section IV – Paragraph 4.</p>
My device does not emit any sounds despite the alarm being correctly programmed.	<ul style="list-style-type: none">➤ The sound card is not correctly inserted.➤ The device is not connected to the mains. Connect the device to a mains socket using the power cord supplied.➤ If the problem is not resolved by any of the above solutions, the device can be reset and factory settings restored (see Factory Settings Menu). <p>Warning, this action will delete your programmed settings (time, emission interval, repertoires selected, etc.)</p> <p><i>More info :</i> Section I – Paragraph 1 & 2. Section IV –Paragraph 4.</p>

If a problem not mentioned above occurs or if you have difficulty in using your BirdTrac® acoustic bird repeller, please contact customer service on +33 (0)2 98 96 08 12.

To stop sound emissions without adjusting the programming of the electronic module, simply unplug the speaker or press the OK button.

VII - Warranty

The manufacturer warranty is limited to one year for all purchases. The invoice serves as proof of purchase and must be retained by the purchaser. If you purchased your device from our network of resellers, please see page 2 of this manual to activate your warranty.

This warranty covers:

- Spare parts and supplies needed to repair defective products for one year.
- All defects in mechanical and electronic materials and components (defect in the BirdTrac® electronic control panel).

Defective products which comply with the above criteria will be repaired or replaced subject to prior acceptance by our customer service. Return shipping costs are the responsibility of the buyer. It is therefore important to contact our customer service on +33 (0)2 98 96 08 12 before returning the product.

The manufacturer warranty does not cover:

- A failure due to accident, misuse of the device or negligence by the user.
- A failure due to transportation of the device without adequate protection.
- Incorrect installation of the device.

It is no longer applicable if:

- The serial number of the device has been removed or modified.
- The failure does not directly affect the functioning of the device (e.g.: dead pixels on the screen...).
- The memory card has been replaced by another model other than that provided by AgriProTech.



The warranty does not cover the efficiency of the device. It is important to note that no scaring method can guarantee 100% efficiency given that many factors are at stake (bird pressure for food, compliance with operating instructions, etc.).

It is recommended that several scaring methods (kites, scaring balloons...) be used concurrently to make the threat as realistic as possible, especially when bird pressure is very high. Finally, the acoustic bird repeller is more effective when it is used preventively.

To prevent a bird habituation effect, the sounds emitted and the interval between each signal should be changed regularly.



**We want to
hear from
you!**

You can give us your feedback or ideas about
The **BirdTrac® acoustic bird repellents in the AviTrac® range**
by mail to 7, rue Ernest Tibulle – 29300 QUIMPERLE - FRANCE,
by email at contact@agriprotech.fr,
or by phone on +33 (0)2 98 96 08 12.

Many thanks from AgriProTech.