

**BIRTH
ALARM**

the original product

Birth Alarm Lite

EN Manual



Thank you for purchasing a Birth Alarm Lite. This is a dependable alarm system for foaling mares. We recommend that you read this manual carefully prior to use. It is essential that the alarm is fitted and operated properly to ensure that it works correctly.

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1. Introduction

Naturally, you want to be there when your mare is about to give birth, so that you can assist her or alert a vet if there are any complications. Horses and ponies have a tendency to lie down, stretched out on their left or right flank during the birthing process. This allows them more room during contractions. The Birth Alarm Lite makes clever use of this phenomenon. By simply fitting the Birth Alarm Lite beneath the halter of your mare (or into an anti-roll girth), it will alert you when the birth commences.

2. Package contents

1. **The Birth Alarm Lite transmitter.**
2. **The special holder.** The Birth Alarm Lite is slotted into this. This holder can be attached under your mare's halter, or into the ring on the anti-roll girth.
3. **Cable ties.** In order to help you get started, we have supplied a number of cable ties (also referred to as "tie wraps"). These cable ties are for once-only use, but can easily be obtained from any hardware store.
4. **The special screwdriver.** Firstly, this can be used to unscrew and open your Birth Alarm Lite (for example when batteries need replacing or when you need to insert/remove the SIM card). The rear of this screwdriver, however, contains a strong magnet. You can use this to operate the Birth Alarm Lite.
5. **SIM card pack.** This pack contains the necessary service numbers and the PIN code and PUK code for the SIM card. *(In some cases, the Birth Alarm Lite may be delivered without a SIM card/SIM pack. This is dependent on your country of residence)*
6. **Documentation.** You will find 3 documents enclosed with your Birth Alarm Lite, specifically:
 - a. **Quick start guide** (brief, concise manual)
 - b. **Troubleshooter** (A checklist for use if you experience problems using the Birth Alarm Lite)



3. Preparing for use

3.1 First time

The following steps must be performed when using the Birth Alarm Lite for the first time:

- Unscrew the Birth Alarm Lite and remove the red label from the pole of the battery. The batteries are now in contact with the Birth Alarm Lite.
- Depending on your country of residence, the SIM card may have been provided.
 - If this is the case, the SIM card will already be inserted into the SIM holder beneath the battery compartment ([see 5.3](#))
 - If this is not the case, then you must purchase and set up the SIM yourself. When you have done this, the SIM card must be activated and slotted into the SIM holder. ([see 5.3](#))
- The section entitled “Installing a new SIM card” ([see 6](#)) explains how you can set up and install a newly purchased SIM card yourself.

Once you have performed these steps on your new Birth Alarm Lite, you can reseal it with the screws and proceed with the set-up.

i *If your own mobile telephone has a good reception in the stable or pasture where your mare is located, we recommend that you purchase a SIM card from the same provider.*

3.2 Switching on/off

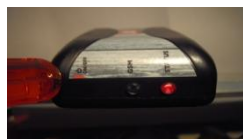
The Birth Alarm Lite can be switched on/off and operated using the rear end of the special screwdriver that has been included.

In order to switch the Birth Alarm Lite **ON**, you must proceed as follows:



- Hold the rear end of the screwdriver against the red square (■) next to the ⏻ symbol on the side of the Birth Alarm Lite.
- You will see the status indicator light up green. You can now remove the screwdriver.
- The Birth Alarm Lite is now active and ready to be placed on your mare.

In order to switch the Birth Alarm Lite **OFF**, you must proceed as follows:



- Hold the rear end of the screwdriver against the red square (■) next to the ⏻ symbol on the side of the Birth Alarm Lite again.
- You will see the status indicator go red. You can now remove the screwdriver.
- The Birth Alarm Lite is now off.

4. The Birth Alarm Lite indicators

4.1 The status indicator



The status indicator is the outermost light on the side of the Birth Alarm Lite. The status indicator is a special light that can light up in 3 different colours: blue, green and red. You can read the status of the Birth Alarm Lite via the status indicator flash sequence. For example, if the light is flashing Green, the Birth Alarm Lite is OK. On the contrary, when the status indicator is flashing red, the battery needs replacing.

The status indicator also displays further information when the Birth Alarm is making a call. If the light is flashing blue and red alternatingly, this means that the signal reception is poor. If the light alternates between yellow/blue or green/blue, then the reception is fair or good! You can read what the standard light patterns mean below.

Fig1. : Standard light patterns of the status indicator

LED light pattern	Meaning
	Stand-by, Battery OK
	Stand-by, Battery low
	GSM active, Establishing a connection
	GSM active, Network reception is poor
	GSM active, Network reception is fair
	GSM active, Network reception is good

4.2 The GSM indicator



Alongside the status indicator on the side of the Birth Alarm Lite, you will also find a light with the inscription “GSM”. This indicator only lights up amber. It is directly linked with the Birth Alarm Lite's internal GSM and will only light up when the internal GSM is active.

There are, in a nutshell, 3 possible situations in the case of the GSM indicator:

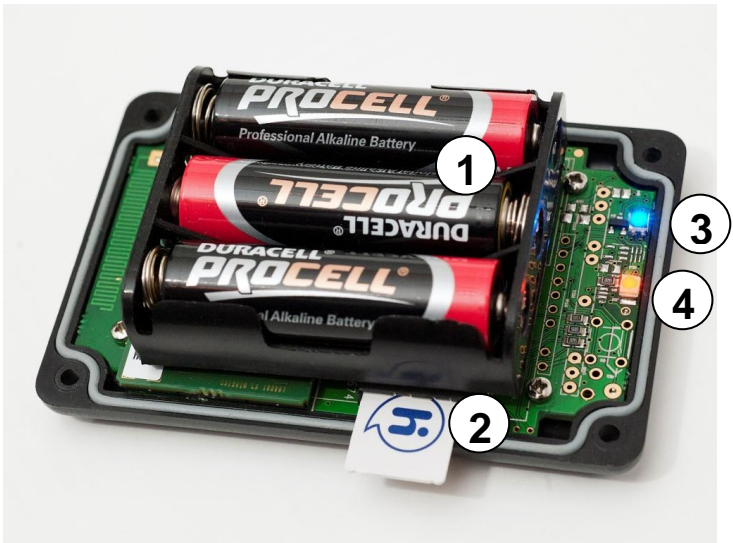
- The GSM is seeking a network connection (light flashes rapidly)
- The GSM has a network connection (light flashes slowly)
- The GSM is currently making a call (light is continuously lit throughout the call)

The GSM Indicator is only for support. As a general rule, you will mostly use the status indicator.

5. The interior of the Birth Alarm Lite

When you unscrew and open the Birth Alarm Lite, you will see the following major components:

1. Batteries
2. SIM card / SIM card holder
3. Status indicator
4. GSM indicator



5.1 Inserting/replacing the batteries

When replacing the batteries for your Birth Alarm Lite, you must always use alkaline batteries (preferably “Duracell” or “Panasonic”) Use of rechargeable batteries is not recommended. Always replace all 3 batteries simultaneously! A small screwdriver may be used to carefully remove the batteries, if you are unable to do this with your fingers.

The batteries must be inserted so that the negative pole of the battery is placed on the spring.

- i** Always use new batteries at the start of the foaling season!*
- i** When the Birth Alarm Lite will not be used for a longer period of time, for example after the foaling season, you should remove the batteries to prevent leaking that will damage your Birth Alarm Lite.*

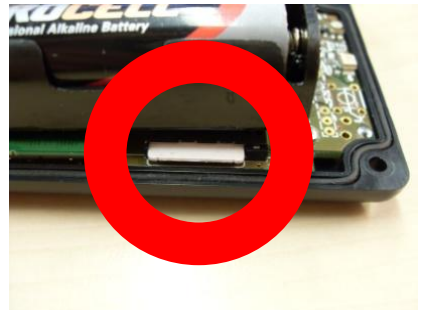
5.2 Birth Alarm Lite housing

The housing of the Birth Alarm Lite has been designed so that it can only be screwed shut in one way. This ensures that the status and GSM indicators are visible.

5.3 Inserting the SIM card

The SIM card must be slotted into the Birth Alarm Lite with the chip facing downwards. Note also the diagonal side of the SIM card. This should be to the front when the SIM card is inserted.

Push the SIM card into the holder until you hear a click. You can then release the SIM card. The SIM card is now sitting in the holder and the Birth Alarm Lite is ready for use. When you want to remove the SIM card from the holder, carefully push on the SIM card until you hear a click. If you now release the SIM card, the SIM card will come forward so that you can easily remove it.



6. Installing a new SIM card

Depending on your country of residence, your Birth Alarm Lite may have been supplied with a SIM card. If this is the case, the SIM card will already be in the SIM card holder. If this is not the case, then you must purchase a SIM card yourself.

Purchase a prepaid SIM card (or, if necessary, a SIM card with a cheap SIM-only subscription) from your mobile specialist. You should preferably choose a provider that you know offers good coverage in the location where you want to use the Birth Alarm Lite.

Once you have purchased a SIM card, you need to activate it. You do this as follows:

- Insert the newly purchased SIM card into your own handset.
- If your telephone asks for a PIN-code after being switched on, input the code. The PIN will be stated in the booklet or on the letter supplied with your SIM card. In most cases, the PIN is "0000".
- Now attempt to make a call using the telephone. You may hear some form of welcome message from your provider before the telephone connects the call, because this is the first time you are using the SIM. Listen to the message in full.
- You must now check whether the voicemail for the SIM card is switched off. You can do so by calling the number of the SIM card from another telephone. If, after a while, you are transferred to a voicemail service, this means that the voicemail for the SIM card is switched on. If this is the case, you must personally deactivate the voicemail service by calling the provider's customer services department, or by inputting a certain deactivation code. The procedure for deactivating the voicemail service differs for each provider and will be stated in the instructions for your SIM card.

- If you are asked to input a PIN code when you switch on the handset, this PIN security feature must be switched off. Consult the manual for your handset for instructions on how to do this.
- Check how much credit is on the SIM card. You can do this by calling the credit/top-up service line for your provider. Make sure there is at least € 10 on the card. If the amount of credit is insufficient, you must purchase a top-up card (from a post office or supermarket).

When you have performed all of these steps, the new SIM card will be ready for installation and use in the Birth Alarm Lite. [\(see 5.3\)](#)

7. Programming telephone numbers

In order to change the settings of your Birth Alarm Lite, you must put the device into programming mode.

7.1 Programming mode

In order to programme the Birth Alarm Lite directly, you must proceed as follows:

- Hold the rear end of the screwdriver to the red square (■) next to the ⏻ symbol on the side of the box **for several seconds**
- Whilst you are doing this, the status indicator will first flash green 3 times, then blue.
- When the status indicator turns blue, you can remove the screwdriver.
- The Birth Alarm Lite is now in programming mode.

***i** When you are finished with programming wait 2-3 minutes, the Birth Alarm Lite will automatically exit the programming mode and return to normal mode. The Birth Alarm Lite is now on and ready for use.*

7.2 Programming telephone numbers







- Activate the Birth Alarm Lite's "Programming mode" (*see 7.1*). Wait until the Status indicator is flashing 1 x blue, 1 x green alternatingly.
- Now call the Birth Alarm Lite with your (preferably mobile) telephone.
- The Birth Alarm Lite will now receive your call and programme your telephone number in the memory.
- The Birth Alarm Lite will now call you back to confirm the number. Allow your telephone ring out (i.e. do not answer and do not divert).

***i** You are now in fact finished with programming. The Birth Alarm Lite now knows your number and will call you when the birth is occurring. Now wait 2-3 minutes. The Birth Alarm Lite will automatically exit programming mode. The Birth Alarm Lite is now ready for use.*

Should you wish to pre-programme a second number, please follow the steps below.

- Wait until the Birth Alarm Lite is flashing 1 x blue, **2x** green.
- Now call the Birth Alarm Lite with the **2nd** telephone you wish to be called on (this may also be a landline telephone).
- The Birth Alarm Lite will also receive this call and will programme your telephone number in the memory.
- The Birth Alarm Lite will also call you on this telephone to confirm the number. Allow your telephone to ring out and do not respond.

Fig2: status indicator light patterns during programming

LED light pattern	Meaning
  	The Birth Alarm Lite is ready for the first call
  	The Birth Alarm Lite is ready for the second call


***i** You can determine which number you are programming by the number of green flashes on the Birth Alarm Lite. For instance 1x blue and **2x** green means that you are programming the second telephone number.*

7.2.1 Programming by SMS

You can also programme the Birth Alarm Lite by sending an SMS. In order to do this, you should proceed as follows:

- On your own mobile telephone, compose a SMS with the following text: “**M1:**” (Note! use a capital letter **M**) immediately followed by the desired first number. The table below shows an example of a how to compose the SMS in your country.

Country	Country code	Example mobile number:	Example of the SMS to be composed: (Note! Use a capital “M” and type everything without spaces)
The Netherlands (NL)	+31	0 6 12345678	M1:+31612345678
Belgium (BE)	+32	0 491 123456	M1:+32491123456
France (FR)	+33	0 6 12345678	M1:+33612345678
Switzerland (CH)	+41	0 176 12345678	M1:+4117612345678
Austria (AT)	+43	0 664 1234567	M1:+436641234567
England (UK)	+44	0 7788 123456	M1:+447788123456
Sweden (SE)	+46	0 707 123456	M1:+46707123456
Germany (DE)	+49	0 171 1234567	M1:+491711234567

 *As shown in the table, the number should be programmed using the country in place of the first “0” that would normally be input when dialling a mobile number.*

- Activate the Birth Alarm Lite's “Programming mode” ([see 7.1](#)). Wait until the Status indicator is flashing 1 x blue, 1 x green alternatingly.
- Now send the SMS you have just composed to the mobile number for the Birth Alarm Lite.
- You will shortly receive a reply SMS from the Birth Alarm Lite in confirmation. This will show the number you have programmed, preceded by M1:

You can of course also programme M2 in the same way. You can easily programme both numbers at the same time in a single SMS. Simply start a new line for each number in your SMS message.



i *We strongly recommend that you programme a mobile number as the first number (M1). If you do this, the Birth Alarm Lite can send you SMS messages and receive SMS messages from you.*


i *You can also programme the numbers via SMS when testing the Birth Alarm Lite (see 8). When the GSM indicator on the Birth Alarm Lite is flashing steadily, you can send an SMS with telephone number(s) or new settings and the Birth Alarm Mobile Plus can process these.*

7.2.2 Direct programming

There is always the option of programming the Birth Alarm Lite by temporarily inserting the Birth Alarm Lite's SIM card into your or another person's mobile telephone and saving the numbers on the SIM card via the telephone in question. However, this is usually the most complex method. In order to programme the SIM card directly, you should proceed as follows:

- Take the SIM card out of the Birth Alarm Lite's SIM card holder. (see 5.3)
- Now insert the SIM card into a different mobile telephone.
- Turn on the mobile telephone.
- Now programme the names M1 and M2 into memory slots 11 and 12 **on the SIM card**. You will find the procedure for doing this in the manual for the mobile telephone. Take care to ensure that you do not programme the numbers into the main memory of the telephone.

- Programme all of the numbers on the SIM card (even if, for example, you only want to use 2 numbers). If you do not want one of the memory slots to be called, save the following as the telephone number: "+1111".



M1:+316..
M2:+315..

8. Testing

Before you start using the Birth Alarm Lite, it is essential that you first test it to ensure that it is operating correctly. You can easily test the alarm yourself.



- Preferably visit the location where your mare is located with the Birth Alarm Lite.
- Take the Birth Alarm Lite in your hands and switch it on, so that the status indicator flashes green once every 8 seconds.
- Now turn the Birth Alarm Lite 90 degrees, so that the status indicator is facing upwards.
- The status indicator will now flash more rapidly and will turn orange.
- After a few seconds, the status indicator will turn blue and the GSM LED will light up also.
- The Birth Alarm Lite will now shortly begin dialling the number programmed under “M1”.
- Do not answer this call and, similarly, do not reject it by pushing the red button. Simply allow the telephone to ring out.
- The Birth Alarm Lite will cease calling automatically after a few seconds.
- You can now stop the Birth Alarm Lite by simply calling it. The Birth Alarm Lite will answer your call and you will hear 3 tones as confirmation that you have deactivated the Birth Alarm Lite. The Birth Alarm Lite will then dial no further numbers until it is once again turned 90° after a few minutes.

If the test proved successful, you can now install the Birth Alarm Lite on your mare.

If you encounter any problems, please use the enclosed “Troubleshooter”.

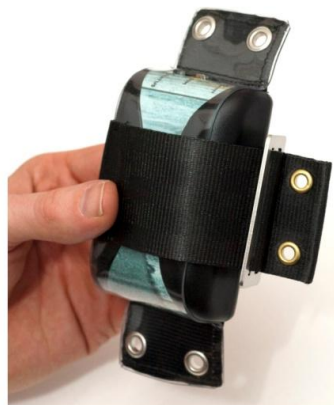
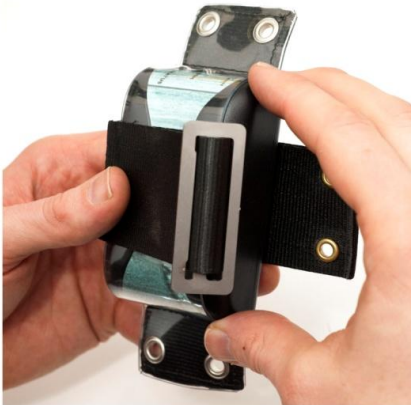
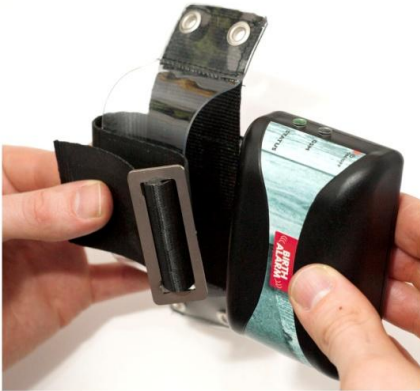
***i** You can programme the mobile phone number of the Birth Alarm Lite in your phone, using a name like “Mare” or “Birth”. You will now be able to see on the display when the Birth Alarm Lite calls.*

***i** When you the Birth Alarm Lite calls you (whether it is a birth alarm or a programming call), never answer the call. When you answer it is basically a conversation and you will be charged so. Never decline (push the red button) a call either, because the call may be diverted to your voicemail.*

9. Fitting on the mare

In order to be able to use the Birth Alarm Lite in a girth or under the halter, it must be secured in the supplied holder. You can do this as follows:

- Slide the Birth Alarm Lite into the holder carefully, as shown in the photo below.
- Make sure that both indicators are visible on the side.
- Next, close the flap using the clip provided.



9.1 Fitting under the halter

If you wish to use the Birth Alarm Lite under a halter, it should be fitted as shown below, using 3 cable ties.



9.2 Fitting in an anti-roll girth

If you wish to use the Birth Alarm Lite in an anti-roll girth, you should fit the holder containing the Birth Alarm Lite as illustrated below. When securing the device on an anti-roll girth, you should use 6 cable ties



10. Summary and method of use

Below is a brief description of how the Birth Alarm Lite works and how it should be used. We advise you to read this text.

The Birth Alarm Lite checks the position of your mare once every 8 seconds. During the intervals, the Birth Alarm Lite will switch to an energy-efficient mode, so that your battery is not being used. When your mare starts having contractions and lays down outstretched as a result, the Birth Alarm Lite will call your mobile telephone. The telephone number of the Birth Alarm Lite will then be displayed on the screen of your mobile telephone. If you store this number in the contact list of your mobile telephone with a name such as "Birth Alarm" or "Mare", this name will also be displayed on the screen of your telephone. You will now know that the Birth Alarm Lite is calling you. In contrast to what you would normally do, do not answer the phone in this instance! This will ensure that you do not start a "conversation" and the report to you will be entirely free of charge. After a few seconds, the Birth Alarm Lite will stop calling automatically. You can then call back the Birth Alarm Lite (this is also free of charge). This will let the Birth Alarm Lite know that you have heard its call and the device will stop dialling. The Birth Alarm Lite will only reactivate if the horse lies down again.

If you do not call back the Birth Alarm Lite within approximately one minute, the Birth Alarm Lite will call the second number in its memory (if a second number has been programmed) and will then once again wait approximately one minute for confirmation. If the Birth Alarm Lite has called both numbers once without either number having responded, the Birth Alarm Lite will redial the first number and then redial the 2nd number. The Birth Alarm Lite will then cease calling automatically.

It should be noted that calling a landline connection (your home telephone) presents no problem for the Birth Alarm Lite. If your landline telephone is equipped with number recognition, you can see in advance whether it is the



Birth Alarm Lite calling you. If your landline telephone does not have number recognition, you are forced to answer every call. In such instances, you will hear a bleep that enables you to identify the Birth Alarm Lite. In this instance, however, you do establish a call connection with the Birth Alarm Lite and a small amount of credit will be deducted from the prepaid card of the Birth Alarm Lite. We recommend that you check the credit regularly should you wish to use the Birth Alarm Lite in this way. Make sure that this remains above € 10 at all times.






The system can generally operate for at least one month on a set of alkaline batteries. We strongly advise against the use of rechargeable or cheaper zinc-carbon batteries.

11. Technical information

Supply voltage	4.5V (3xAA Alkaline)
Power consumption	130uA average (1,3A peak)
GSM Module	Dual band GSM-900/1800 MHZ
Memory slots	2
Sleep mode	No
Detection angle	Adjustable 65-80°
Notification types	Phone calls / SMS

Warranty: Up to 2 years from date of purchase. Does not apply in the event of breakage, water damage and/or any other damages. The manufacturer and importer cannot be held liable for any damages arising from use of the Birth Alarm Lite. All supplies and works are subject to the General Terms and Conditions of Gallagher Europe B.V.

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