

**BIRTH  
ALARM**

*the original product*

# Birth Alarm Mobile Multiple

**EN** Manual



Thank you for purchasing the Birth Alarm Mobile Multiple. This is a highly dependable foal birth notification system. 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

When your mare is about to give birth, you want to be present so that you can intervene or warn a vet if there are any complications. Horses and ponies have a tendency to lie completely stretched out on their left or right side during the delivery. That gives them more room during the contractions. The Birth Alarm Mobile Multiple system makes very clever use of this tendency.

The Birth Alarm Mobile Multiple is a system which consists of a "Master Module" (M) and one (or more) "Slave Module(s)" (S). The system aims to make it easy for you to watch over several mares that are foaling. It is ideal for breeders, riding schools and large stables.

The Master Module (M) is a complete GSM birth alert, but it can also forward any signals (alerts) sent by Slave Modules (S) to your mobile phone.

In other words, a Slave Module is a birth alert without the GSM functionality. The Slave Module will only send out a radio signal when the delivery starts.

The system is interactive. Once a Slave Module has been linked to the Master Module, the Master Module will check whether the Slave remains within the area of reception. If any problems are identified within the system, the Master Module will inform you about this by means of a brief text message. You are thus completely in control of the operation and condition of the entire system.

## 2. Contents of packaging

1. The **Birth Alarm Mobile Multiple Master**. You can recognize the Master by the **M** – symbol on the label.
2. The **Birth Alarm Mobile Multiple Slave**. You can recognize the Slave by the **S** – symbol on the label.
3. **2x Special holder** (For inserting the Master and Slave Modules). This holder can be attached either to your mare's halter or in the ring of the anti-roll girth.
4. **Tie wraps**. We have supplied a number of tie-wraps to enable you to get started. These tie-wraps should be used once only, but they are available at any DIY store.
5. The **special screwdriver**. This enables you to unscrew your Birth Alarm Mobile Multiple (for instance when the batteries need to be replaced or when you have to insert/remove your SIM card), but it also has a strong magnet on the back. With this magnet you can operate your Birth Alarm Mobile Multiple.
6. **SIM card package**. This package contains the necessary contact numbers, as well as the SIM card's PIN code and PUK code. *(It may be the case that your Birth Alarm Mobile Multiple set has been supplied without a SIM card / SIM package. This depends on the country where you live)*
7. **Documentation**. Your Birth Alarm Mobile Multiple set also contains the following two documents:
  - a. **QuickStart Guide** (brief, concise user guide)
  - b. **TroubleShooter** (You can refer to this checklist if you are experiencing any problems when using the Birth Alarm Mobile Multiple)




### 3. Preparation for use

#### 3.1 First time

Before using the Birth Alarm Mobile Multiple for the first time you have to complete the following steps; this needs to be done once only:

- Unscrew both the **Master** and the **Slave** and remove the red label, which is located against the pole of one of the batteries. The batteries will now make contact.
- The SIM card may or may not have been supplied; this depends on the country where you live.
  - If it has been supplied, it is located in the SIM holder under the battery compartment of the MASTER. *(see 5.3)*
  - If this is not the case, you have to purchase your own SIM card and configure it; once this is done it has to be activated and inserted into the SIM holder. *(see 5.3)*
- The Chapter "Installing a new SIM card" *(see 6)* explains how you can configure and install a newly bought SIM card.

Once you have carried out these steps for the **Master** and the **Slave**, you can tighten the screws again and continue the configuration process.

 *If you have a good signal with your mobile phone in the stable or field where your mare is, we recommend that you buy a SIM card from the same provider.*

#### 3.2 Switching on/off

You can switch on/off your Birth Alarm Mobile Multiple and operate it by using the back of the supplied special screwdriver.

Complete the following steps to switch the Birth Alarm Mobile Multiple **ON**:





- Hold the back of the screwdriver against the red square ( ■ ) beside the ⏻ symbol on the side of the Birth Alarm Mobile Multiple.
- The status light will turn to green. Remove the screwdriver.
- The Birth Alarm Mobile Multiple is now active and ready to be attached to your mare.

Complete the following steps to switch the Birth Alarm Mobile Multiple **OFF**:



- Hold the back of the screwdriver against the red square ( ■ ) beside the ⏻ symbol on the side of the Birth Alarm Mobile Multiple once again.
- The status light will now turn to red. Remove the screwdriver.
- The Birth Alarm Mobile Multiple is now switched off.

## 4. The different lights on the Birth Alarm Mobile Multiple

### 4.1 The status light


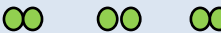

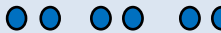






The status light is the outermost light on the side of the Birth Alarm Mobile Multiple. The status light is a special light that can show 3 different colours: blue, green and red. The flashing order of the light shows the status of the Birth Alarm Mobile Multiple. For example: if it flashes green the device is working OK, but if it flashes red the battery needs to be replaced.

### 4.2 The status light on the Master

When the Birth Alarm Mobile **Master** is ringing, the status light will give you some further information. If the light flashes blue and red alternately, this means that the signal is bad. If the light flashes yellow/blue or green/blue alternately, the signal is moderate or good. The table below shows what the standard light patterns signify.


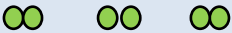


*Fig1. : Standard light patterns of the status light*

LED light pattern	Signifies
	Standby, battery OK
	Standby, battery OK, sleeping mode on
	Standby, battery weak
	GSM active, connecting
	GSM active, bad network signal
	GSM active, moderate network signal
	GSM active, good network signal
	Alert received

### 4.3 The status light on the Slave

The status light on the **Slave** will also give you some further information. The table below shows what the standard light patterns signify.

*Fig2. : Standard light patterns of the status light*

LED light pattern	Signifies
	Standby, battery OK
	Standby, battery OK, sleeping mode on
	Standby, battery weak
	Alert sent

### 4.4 The GSM light



Next to the status light on the side of the **Master** you will also find a light marked "GSM". This light only shows an amber light. It is linked directly to the Master's internal GSM, and it will only light up when the GSM becomes active.

In brief, three different situations are possible:

1. GSM is searching network (light flashes rapidly)
2. GSM is connected to network (light flashes slowly)
3. GSM is making a call (light is on continuously during the call)

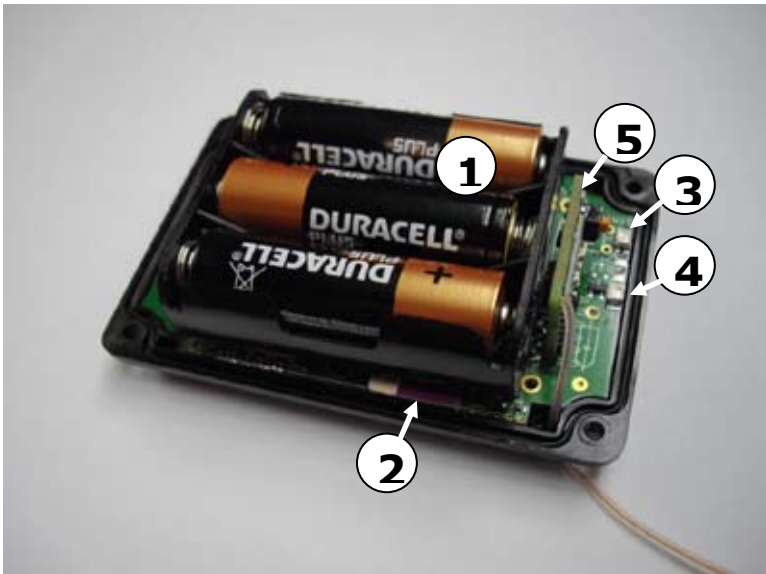
The GSM light only gives extra information; you will normally mainly use the status light.

**i** As only the **Master** has a GSM, the GSM light is only present on the Master. The Slave does not have this light.

## 5. The inside of the Birth Alarm Mobile Multiple

When you unscrew the Birth Alarm Mobile Multiple, you will see the following important parts:

1. Batteries
2. SIM card / SIM card holder (present only in Master)
3. Status light
4. GSM light
5. Communication unit



### 5.1 Inserting/replacing batteries

When replacing the batteries of your Birth Alarm Mobile Multiple, you should always use alkaline batteries (preferably "Duracell" or "Panasonic"). The use of rechargeable batteries is inadvisable. Also make sure that you replace the entire set of 3 batteries! If you are unable to remove the batteries with your fingers, you can also carefully use a small screwdriver.

The batteries should always be inserted with the minus pole against the spring.

**i** *You should always use new batteries at the start of the foaling season!*

**i** *When you foresee that you are not going to use the Birth Alarm Mobile Multiple for some time, for instance after the foaling season, it is advisable to remove the batteries to prevent any leakage or damage in the device.*

**i** *The design of the casing of the Birth Alarm Mobile Multiple is such that the screws can be tightened only in one way. This is to ensure that the status light of the GSM light is visible.*

## 6. Inserting the SIM card

The SIM card should be inserted into the **Master** with the chip facing down. Also make sure that the diagonal side of the card is facing towards the front when you insert it.

Keep pushing the SIM card into the holder until you hear a "click". The SIM card is now firmly fixed in the holder and the **Master** is ready for use. To remove the SIM card from the holder, carefully push against the SIM card until you hear another "click". The SIM card will now partly stick out of the holder, so that you can easily remove it.



## 7. Installing a new SIM card

The SIM card may or may not have been supplied with the Birth Alarm Mobile Multiple package; this depends on the country where you live. If it has been supplied, it has already been inserted into the SIM card holder of the **Master**. If this is not the case, you need to purchase your own SIM card.

Buy a prepaid SIM card (or a SIM card with a cheap SIM-Only subscription) from your mobile phone shop. We recommend that you choose a provider of which you know that it offers good coverage at the location where you want to use your Birth Alarm Mobile Multiple set.

When you have bought your SIM card, you need to activate it. You can do this as follows:

- Insert the newly purchased SIM card into your own device.
- Enter the PIN code if the device asks for this after it has been switched on. You can find the PIN code in the instructions or letter supplied with your SIM card. The PIN code is usually "0000".
- Now try to use the device by making a call. It may happen that you hear some kind of welcome message from your provider before the telephone starts ringing, because this is the first time you are using the card. Listen to the entire message first.
- You should now check whether the voicemail of the SIM card has been switched off. You can do this by calling the number of the SIM card with a different phone. If after some time you are put through to a voicemail service, this obviously means that the voicemail is on. In that case you will have to switch off the voicemail by calling the provider's customer service or by keying in a specific switch-off code. How the voicemail is switched off depends on the specific provider; it will be explained in the SIM card's user guide.

- If you were asked to enter a PIN code when you switched on the device, the PIN code security should be switched off. For more information about this, consult the user guide of your device.
- Check the phone credit on the SIM card. You can do this by calling your provider's phone credit/ top-up number. Make sure that there is at least € 10 on the card. If you have insufficient phone credit, you should top up your credit by means of a top-up card (available from post office or supermarket).

Once you have completed all the steps, the new SIM card will be ready for use and can be installed in the **Master** . [\(see 6\)](#)




## 8. Programming telephone numbers

Occasionally, you will wish to change the settings on your Birth Alarm Mobile **Master** or add numbers. In order to change the settings on your Birth Alarm Mobile **Master** you will have to set the device to programming mode.

### 8.1 Programming mode

The following steps will enable you to program the **Master** directly:

- Hold the back of the screwdriver **a few seconds** against the red square (■) beside the ⏻ symbol on the side of the casing.
- While you do this, the status led will flash 3x in green, after which it will show a blue light.
- When it is blue, you can remove the screwdriver.
- The Birth Alarm Mobile Multiple is now in programming mode.

 *When you have finished programming just wait for 2-3 minutes; the **Master** will automatically exit the programming mode and return to the normal status. The Birth Alarm Mobile Multiple will be switched on and ready for use.*


### 8.2 Programming telephone numbers

Telephone numbers can be programmed in 3 different ways: by calling, by sending a text or through the "direct programming" option. The three different options are described in detail below. You only have to choose one method. People often choose the "call" method. The 4 numbers which the **Master** can call are indicated as "M1", "M2", "M3" and "M4".

#### 8.2.1 Programming by calling

- Put the **Master** into "programming mode" (*see 7.1*). Wait until the status light flashes 1x blue and 1x green alternately.
- Use your (preferably mobile) phone to call the **Master**.













- The **Master** will receive your call and program your telephone number in its memory.
- The **Master** will confirm this by calling you back. Just let your phone ring (so don't answer and don't press the decline button).

 You have now programmed your number. The **Master** now has your number and will call you during the delivery. Wait for 2-3 minutes. The **Master** will automatically exit the programming mode, after which it will be ready for use.

If you want to preprogram more numbers you can follow the steps below.

- Wait until the **Master** flashes 1x blue and 2x green.
- Now call the **Master** with the phone you want to be the 2<sup>nd</sup> one that is called (this can also be a landline connection).
- The **Master** will receive this call too and program your telephone number in its memory.
- The **Master** will confirm this by calling you back on this phone too. Just let your phone ring and do not respond.
- After a few seconds the **Master** will flash 1x blue and 3x green to indicate that you can now also program the 3<sup>rd</sup> number (and after that the 4<sup>rd</sup> number) following the same method.

Fig2. : light patterns of the status light during programming

LED light pattern	Signifies
  	The <b>Master</b> is ready for the first call
  	The <b>Master</b> is ready for the second call
  	The <b>Master</b> is ready for the third call
  	The <b>Master</b> is ready for the fourth call

**i** The number of green flashes on the **Master** will show you which number you can program. For instance, 1x blue and 4x green means that you can program the 4<sup>th</sup> number.

### 8.2.2 Programming by sending a text

You can also program the **Master** by sending a text. Follow the steps below:

- On your own mobile phone, text "**M1:**" (NB: use capital **M**), followed immediately by the required first number. In the table below you can see an example of a text message in your country

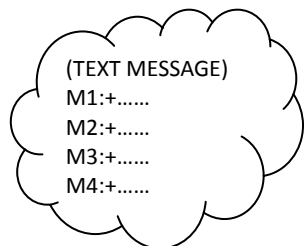
Country	National code	Example of a mobile number :	Example of the text message to be sent: (NB: Use capital "M" and type without leaving any spaces)
Netherlands (NL)	+31	0 6 12345678	<b>M1:+31612345678</b>
Belgium (BE)	+32	0 491 123456	<b>M1:+32491123456</b>
France (FR)	+33	0 6 12345678	<b>M1:+33612345678</b>
Switzerland (CH)	+41	0 176 12345678	<b>M1:+4117612345678</b>
Austria (AT)	+43	0 664 1234567	<b>M1:+436641234567</b>
United Kingdom (UK)	+44	0 7788 123456	<b>M1:+447788123456</b>
Sweden (SE)	+46	0 707 123456	<b>M1:+46707123456</b>
Germany (DE)	+49	0 171 1234567	<b>M1:+491711234567</b>

**i** As you can see in the table, you have to enter the national code instead of the first "0" which you would normally dial when you call a mobile number.

- Put the **Master** into "programming mode" (*see 8.1*). Wait until the status light flashes 1x blue and 1x green alternately.
- Now send the text message you have just prepared to the **Master's** mobile number.

- The **Master** will confirm receipt of the message shortly by sending a status text. It contains the number that you have programmed after M1:

The numbers of M2, M3 and M4 can be programmed following the same procedure. You can also program more than one number in one text message, as long as you start a new line in your message for each number.



**i** We recommend that you program a mobile number as the first number (M1), as that means that the **Master** can send you texts and can receive texts from you.

**i** You can also program the numbers via text messages while you are testing the birth alert. (see 13) As long as the GSM light on the **Master** flashes slowly, you can send a text with telephone number(s) or new settings, and the **Master** will be able to process

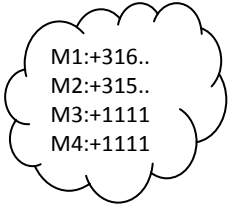
### 8.2.3 Programming directly

It is always possible to program the **Master** by temporarily inserting the **Master**'s SIM card into your own or another mobile phone, and to program the numbers on the SIM card using that telephone. However, this tends to be the most complex method. The following steps will enable you to program the SIM card directly:

- Remove the SIM card from the **Master**'s SIM card holder. (see 6)
- Insert the SIM card into another mobile phone.
- Switch the phone on.
- Program the names M1, M2, M3 and M4 **on the SIM card**, on memory locations 11, 12, 13 and 14. The mobile phone's user guide will explain

how to do this. Make sure that you don't program the number on the telephone's fixed memory.

- Program all the numbers on the SIM card (even if, for instance, you only want to use two). If there is a memory location you don't want to use, program it as telephone number "+1111".



M1:+316..  
M2:+315..  
M3:+1111  
M4:+1111

## 9. Programming the other settings

The Birth Alarm Mobile Multiple is supplied with standard settings which have been set up in the factory. These are suitable for most of the mares (horses/ponies), but they can be adjusted if required.

Use the "sleeping mode" of the Birth Alarm Mobile Multiple when your heavily pregnant mare is resting (sleeping) in a fully stretched position. The sleep detection mode entails a certain adjustment in how the Birth Alarm Mobile Multiple works. This adjustment ensures that the device does not send out an alert merely because the mare is lying in a stretched position. When you use the sleeping mode, the Birth Alarm Mobile Multiple will check whether your mare in addition to lying in a stretched position is also restless, as is the case when the contractions have started.

### 9.1 Sleeping mode on the Master


You can **switch on** the sleeping mode on the **Master** as follows:

- On your own mobile phone, create the following text message: "**SL:1**" (NB: Use capital letters **SL**)
- Put the **Master** into "programming mode" (*see 8.1*). Wait until the status light flashes 1x blue and 1x green alternately.
- Now send the text message you have just prepared to the **Master's** mobile numbers.
- The **Master** will confirm receipt of the message shortly by sending a status text. On the last line it states "SL:1", which means that the sleeping mode has been switched on.

The sleeping mode can be **switched off** in a similar way:

- On your own mobile phone, create the following text message: "**SL:0**" (NB: Use capital letters **SL**)
- Put the **Master** into "programming mode" (*see 7.1*). Wait until the status light flashes 1x blue and 1x green alternately.

- Now send the text message you have just prepared to the **Master's** mobile numbers.
- The **Master** will confirm receipt of the message shortly by sending a status text. On the last line it states "SL:0", which means that the sleeping mode has been switched off. The **Master** is now working normally again.

 *The status light normally flashes 1x green once every 8 second. When your **Master** is in the sleeping mode, the status light will quickly flash twice once every 8 seconds.*

## 9.2 Sleeping mode on the Slave

You can **switch on** the sleeping mode on the **Slave** as follows:



- Hold the back of the screwdriver against the red square (■) beside the □ symbol on the side of the **Slave**.
- The status light will turn to green. Continue to hold the screwdriver close to the red square (■).
- The status light will flash green 2x and then 3x. After that the light will briefly show a yellow light 1x.
- The **Slave** has now been activated in the sleeping mode, and it can be attached to your mare.

## 9.3 Angle setting on the Master

The Birth Alarm Mobile Multiple will respond when your mare stretches itself. In other words: it measures the extent to which your mare has moved to its side. On average, an angle of more than 65° may be considered "abnormal", and this will prompt the Birth Alarm Mobile Multiple to respond. The standard setting of the Birth Alarm Mobile Multiple is 65°. However, you can increase this threshold of 65°, so that the Birth Alarm Mobile Multiple becomes less sensitive and does not take action until a later stage. Complete the following steps to change the angle setting (for instance to 70°) on the **Master**:

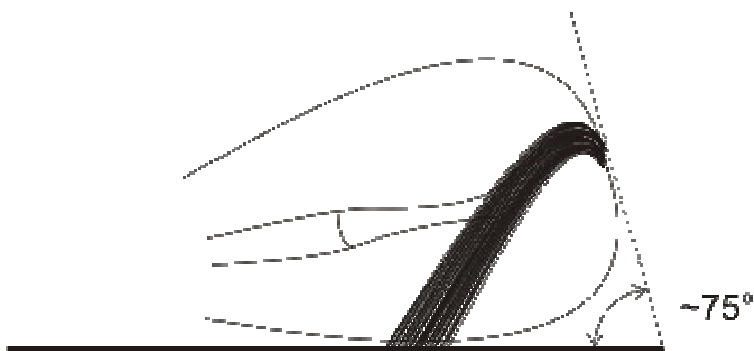
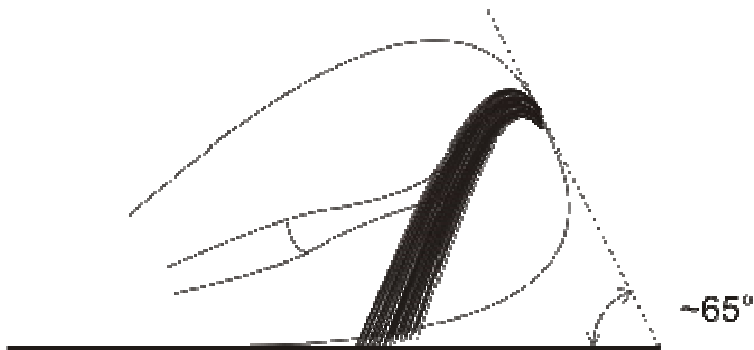
- On your own mobile phone, create the following text message: "**A1:70**" (NB: Use capital **A**)
- Put the **Master** into "programming mode" (*see 8.1*). Wait until the status light flashes 1x blue and 1x green alternately.
- Now send the text message you have just prepared to the **Master's** mobile number.



- The **Master** will confirm receipt of the message shortly by sending a status message. It will state "A1:70" on the two but last line to indicate that the **Master** will now be activated when the mare lies at an angle of 70°.

You can set the angle between 60° and 75°.


*If, for instance, you get alerts repeatedly stating that the mare is lying at an angle which is only just 65°, but nothing is wrong, you can adjust the detection angle for this mare to a slightly larger angle, for instance to 70°. Don't go beyond 75°!*



## 9.4 Angle setting on the Slave







You can also change the angle setting on the **Slave**. Say, for instance, that you want to change the angle from 65° to 75°. You then have to follow the steps below:



- Hold the back of the screwdriver against the red square (■) beside the  symbol on the side of the **Slave**.
- The status light will show a green light (65°). Continue to hold the screwdriver close to the red square (■).
- The status light will then flash green 2x (=70°) and then 3x (=75°)
- Remove the screwdriver.
- The **Slave** is now set at 75°.

The different light patterns and their meaning when setting the sleeping mode and angle setting on the **Slave** are summarized in the table below.

*Fig2. : light patterns of the status light of the Slave*

LED light pattern	Signifies
	The <b>SLAVE</b> has been set at 65° <b>without</b> sleeping mode
	The <b>SLAVE</b> has been set at 70° <b>without</b> sleeping mode
	The <b>SLAVE</b> has been set at 75° <b>without</b> sleeping mode
	The <b>SLAVE</b> has been set at 65° <b>with</b> sleeping mode
	The <b>SLAVE</b> has been set at 70° <b>with</b> sleeping mode
	The <b>SLAVE</b> has been set at 75° <b>with</b> sleeping mode

## 9.5 Number of calls and moment of sending a text

You can set the number of times that the Birth Alarm Mobile **Master** calls you, as well as the moment when it sends you a text. In the standard setting, the Birth Alarm Mobile Multiple will do two call rounds when there is an alert. This means that it will call the programmed numbers M1, M2, M3 and M4 twice. After that, the Birth Alarm Mobile **Master** will stop calling automatically. After the Birth Alarm Mobile Multiple has called the M1 number for the 2<sup>nd</sup> time, it will also send a status text message to that number. If you want the Birth Alarm Mobile Multiple to phone you more often, or if you want the text to be sent sooner or later, you can change the relevant setting.

### 9.5.1 Changing the number of call rounds

Complete the following steps to adjust the number of call rounds (for instance to 5x):

- On your own mobile phone, create the following text message: "**CL:5**" (NB: Use capital letters **CL**)
- Put the **Master** into "programming mode" ([see 8.1](#)). Wait until the status light flashes 1x blue and 1x green alternately.
- Now send the text message you have just prepared to the **Master's** mobile number.
- The **Master** will confirm receipt of the message shortly by sending a status message. It will state "CL:5" on the one but last line to indicate that the **Master** will now phone the list with numbers 5x when it has an alert before stopping automatically.

### 9.5.2 Setting the moment when a text is sent

#### No text messages

Complete the following steps if you don't want to receive any text messages from the **Master**:

- On your own mobile phone, create the following text message: "MS:0"  
(NB: Use capital letters MS)
- Put the **Master** into "programming mode" ([see 8.1](#)). Wait until the status light flashes 1x blue and 1x green alternately.
- Now send the text message you have just prepared to the **Master's** mobile number.
- The **Master** will confirm receipt of the message shortly by sending a status message. It will state "MS:0" on the one but last line to indicate that the **Master** will not send you any text messages.

### Always text messages

Complete the following steps if you wish to receive a text message from the **Master** each time when there is an alert:

- On your own mobile phone, create the following text message: "MS:1"  
(NB: Use capital letters MS)
- Put the **Master** into "programming mode" ([see 8.1](#)). Wait until the status light flashes 1x blue and 1x green alternately.
- Now send the text message you have just prepared to the **Master's** mobile number.
- The **Master** will confirm receipt of the message shortly by sending a status message. It will state "MS:1" on the one but last line to indicate that the **Master** will send you text messages immediately after the 1<sup>st</sup> alert.

### Text messages after 2nd call round

Complete the following steps if you only want to receive a text message from the **Master** after the 2<sup>nd</sup> call round (this is the **Master's** standard setting):

- On your own mobile phone, create the following text message: "MS:2"  
(NB: Use capital letters MS)
- Put the **Master** into the "programming mode" ([see 8.1](#)). Wait until the status light flashes 1x blue and 1x green alternately.

- Now send the text message you have just prepared to the **Master's** mobile number.
- The **Master** will confirm receipt of the message shortly by sending a status message. It will state "MS:2" on the one but last line to indicate that the Birth Alarm Mobile Multiple will send you a text message after the 2<sup>nd</sup> bell round.

## 10. Status text messages

The **Master** will send you a status text message when you have changed a setting or telephone number on the **Master** or when you get a birth alert. This status text message will give you information about the current settings and programmed telephone numbers on the **Master**. It will also give you a few readings relevant to the mare and the **Master** itself.

	<b>Text message:</b>	<b>Signifies:</b>
Readings	<b>Battery 60 %</b>	Remaining battery capacity
	<b>Signal 51%</b>	Signal strength
	<b>Angle: 65</b>	Angle of the mare's back to the ground in degrees
	<b>CT:0080x 03x</b>	Measurement took 80 seconds; 3 clear contractions
	<b>SMS: 12</b>	Number of text messages that have already been sent: 12
Settings	<b>M1: +31612345678</b>	The first number to be called
	<b>M2: +31644332211</b>	The second number to be called
	<b>M3:+1111</b>	Third number (not used in this example)
	<b>M4:+1111</b>	Fourth number (not used in this example)
	<b>A1:65</b>	Detection angle has been set at 65 degrees
	<b>MS:2 CL:2</b>	Text after 2nd call round; total number of call rounds
	<b>SL:0</b>	Sleeping mode switched off (0)

**i** *When you notice that the battery percentage has dropped to less than 20%, you have to replace the batteries!*

**i** *If you notice that the signal strength is sometimes less than 20%, we would advise you to choose a different provider which has a better coverage at the location where you use the Master.*

**i** *The text message counter gives you an idea about how many phone credit you have used.*

## 11. The automatic system check

The Birth Alarm Mobile Multiple is a system whereby one or more **Slaves** can send an alert to the **Master**. The **Master** checks regularly whether the connected **Slave(s)** is/are still covered by the signal. When a **Slave** has not been detected for a number of hours, you will receive a message from the **Master** with the alert "Slave nr [#] No Sign". This is how the **Master** indicates that a **Slave**-module can no longer be contacted or appears not to be functioning properly. The **Master** will send you 2 similar text messages to remind you (if the fault has not yet been rectified). After the third message the **Master** will disconnect the **Slave** automatically and will stop checking it. The **Master** will then send you a text message with the alert "Slave nr [#] Disconnected". If the **Slave** is detected again, the **Master** will resume its checks.

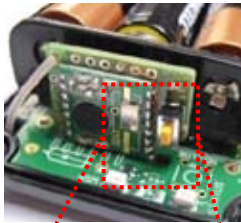
When a **Slave** 's battery is running low, you will receive the alert "Slave nr [#] LOW BATTERY"

When you get an alarm (birth alert) via a **Slave**-module, you will (after you have been called by the **Master** first) also receive a text message with the alert: "Slave nr [#] !!ALARM!!"

## 12. Pairing

You will only need to complete the actions described below if you have purchased a new, extra **Slave**!

When you have bought an extra **Slave**, it will have to be added to the system. You can do this as follows:



Status led  
(on communication  
module)

Pairing

- Unscrew both the **Master** and the new **Slave** .
- Switch on the **Master** first.
- If you already have one or more **Slaves** , you should now switch them on one by one. (Wait for about one minute after switching on each **Slave**)
- Once all the **Slaves** have been switched on, switch on the new **Slave** as well, and wait until the small, red light on the communication module has disappeared.
- Then press the small orange button named "PAIR" on the communication module on the **Master**.
- When the red light on the communication module named "STATUS" shows a red light, press the orange "PAIR" button on the **Slave** , until the relevant status light shows a red light.
- Now the two devices will be "introduced" to one another. This procedure takes 10 to 20 seconds. If it is successful, the lights on both devices will show a green light simultaneously for 1 second.
- The new **Slave** has now become part of the system.



## 13. Testing

You should test the **Master** before you start using it to make sure that it works properly. You can easily test it yourself.



- Take your **Master** preferably to the place where your mare is.
- Take it in your hands and switch it on, so that the status light flashes green once every 8 seconds.
- Turn it round by 90°, so that the status light faces up. *(Please note: if you use the sleeping mode, it should be returned to a horizontal position after 15 seconds)*
- The status light will now start to flash faster and turn to amber.
- After a few seconds the status light will turn blue and the GSM light will also be lit.
- The **Master** will shortly call the number programmed under "M1".
- Don't answer the call or decline it by pressing the red button. Just let the phone ring.
- The **Master** will stop ringing automatically after a few seconds.
- You can now stop the **Master** by simply calling it. The **Master** will answer your call and you will hear a tone which signifies that you have stopped it. The **Master** will not call any other numbers until it is turned by 90° again after a few minutes.

You can then test the **Slave** in more or less the same way:



- Make sure that when you test the **Slave** you are close to the **Master**.
- Take the **Slave** into your hands and switch it on.
- Turn it round by 90°, so that the status light faces up. *(NB: if you are using the sleeping mode, it should be put back into horizontal position after 15 seconds)*
- The status light will now start to flash faster and turn to amber.
- After a few seconds the status light will turn blue.
- The **Slave** will now send a radio signal to the **Master**.
- The **Master** will shortly call the number programmed under "M1".
- Don't answer the call or decline it by pressing the red button. Just let the phone ring.
- The **Master** will stop ringing automatically after a few seconds. You will also receive a text message stating that the **Slave** has prompted the alert.
- You can now stop the **Master** by simply calling it. The **Master** will answer your call and you will hear a tone which indicates that you have stopped it. The **Master** will not call any other numbers until it is turned by 90° again after a few minutes.

If the test has gone well, you can attach the **Master** and the **Slave** to your mares.

*If you nevertheless encounter any problems, you can use the supplied "Troubleshooter".*

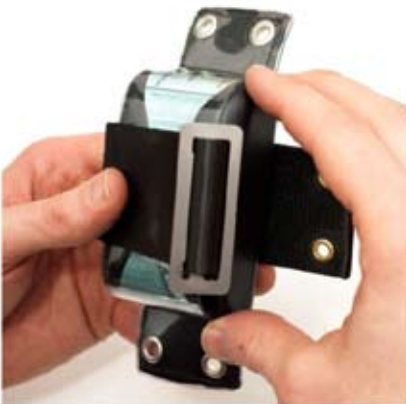
***i** You can program the Master's mobile number in your own mobile phone under the name "Mare" or "Birth". You will then be able to see on the screen of your mobile phone when the Master is calling you.*

***i** When you are called by the Master (whether this is for a birth alert or during programming) you should never answer. If you answer you will use up credit unnecessarily because you are having "a telephone conversation" with the Master! You should not decline a call either (by pressing the red button), as the Master may then be put through to your voicemail.*

## 14. Fitting the device onto the mare

In order to be able to use the Birth Alarm Mobile Multiple in a girth or under the halter, it must be fitted into the supplied holder; this is done as follows:

- Carefully insert the Birth Alarm Mobile Multiple into the holder, as shown in the picture below.
- Make sure that both lamps on the side are visible.
- Then close the flap with the supplied clip.



## 14.1 Fitting the holder under the halter

If you want to use the Birth Alarm Mobile Multiple under a halter, fit it with 3 tie-wraps as described below.



## 14.2 Fitting the holder into an anti-roll girth

When you use the Birth Alarm Mobile Multiple in an anti-roll girth, you should fit the holder with the Birth Alarm Mobile Multiple as shown in the picture below. Fix the device into an anti-roll girth with 6 tie-wraps.



## 15. Summary and method of use

*Below you will find a brief description of how the Birth Alarm Mobile Multiple works and how it should be used. We would advise you to read this.*

The Birth Alarm Mobile Multiple checks your mare's position once every 8 seconds. In the intervening periods it switches to a low-energy mode to save the battery. When the mare's contractions start and it therefore lies down in a stretched position, the **Master** will call your own mobile phone. The **Master's** telephone number will then appear on the screen of your mobile phone. If you save this number in your mobile phone's list of numbers and save it under a name such as "BirthAlarm" or "Mare", that name will also appear on your telephone screen. That way you will know that the **Master** is calling you. As opposed to what you would normally do, you do **not** answer the phone! This means that the call will not be connected and you will get the alert entirely free of charge. After a few seconds the **Master** will stop calling. You can then call the **Master**. You will thus report to the **Master** that you have heard its call, and it will stop phoning. It will not reactivate until the horse lies down again.

If you do not call the **Master** within just over a minute, it will call the second number in its memory (if a second number has been entered) after which it will again wait for just over a minute for confirmation. The **Master** can alert up to 4 people about a birth. If the **Master** has called each number once without receiving a response, it will call the first number again. After that it will automatically send an SMS status message. This is an SMS message in which it gives concise information about the laying angle, battery capacity, network cover, etc. ([see 10](#))

It should be noted that the **Master** can also make calls without any difficulty to a landline (your home telephone). If your landline phone has Caller ID, you can also register de **Master's** number in advance so that it is recognized. If your landline phone does not have Caller ID, you will need to answer each

call. In that case you will hear a tone that identifies the **Master**. Using that method, however, you will have taken a call, and a small charge will be deducted from the prepaid card of the **Master**. If you use the **Master** in this way we advise you to check your phone credit regularly. Make sure that it is always more than € 10.

The **Slave** has an identical detection method, but it sends its alerts to you via the **Master**. If any alerts have been issued by a **Slave-module**, you will receive a text message about this.

The system will usually run on a set of alkaline batteries for at least a month. Using rechargeable or the cheaper zinc-carbon batteries is highly inadvisable!








## 16. Technical specifications

Supply voltage	4.5V (3xAA Alkaline)
Electricity consumption	130uA average (1.3A peak) (Master) 130uA average (Slave)
GSM Module	Dual band GSM-900/1800 MHZ (Master)
Memories	4 (Master)
Sleeping mode	Yes
Detection angle	Adjustable 65..75°
Types of alert	Calls / text messages

**Guarantee:** Until 2 years after the purchase date. Does not apply in the event of breakage, water damage and/or any other damage. The manufacturer and importer shall not be liable for any damage whatsoever resulting from the use of the Birth Alarm Mobile Multiple. All deliveries and work are undertaken in accordance with the General Terms and Conditions of Gallagher Europe B.V.

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