

## Cell phone dialler



This is a **cell phone dialler** that works with a SIM card. Up to three telephone numbers can be stored on the **SIM card**. After consultation with you, we will program the specified numbers on the SIM card.

As soon as the cell phone dialler receives an impulse from the receiver, it calls the stored telephone numbers chronologically. Even in exceptional situations such as a power failure your cell phone dialler calls the numbers.

The two plugs (red and black) are connected to the corresponding color-coded sockets of the receiver (**Aux.Buzzer**, No. 13, see explanations for the receiver), red in red and black in black.

## Testing the System

Before putting the JanWolters Abfohlsystem into operation, please respect the following three rules:

- After having received your order, test the complete system.
- Carry out a "distance test" each time before using the system.
- Never sew on a transmitter that has not been tested over the full range.

The strategic positioning of the central antenna is important. The central antenna should be placed as close to the mare as possible. There should be as few as possible radio waves in the immediate vicinity. Please also remember that metal or Wi-Fi can interfere with transmission.

1. Position the central antenna within the recommended range (**Receiver 1**: approx. 40 m, **Receiver 2** approx. 250 m). Plug the **A/C adapter** according to the instructions into the jack for the **Power transformer** (N°.16) and into a standard socket. Fix the antenna cable (antennae) into the ports (N°.8 and/or 9). Switch the receiver on with the **On/Off** button. (N°. 2). The green light comes on (N°.1: **Power**). The beeping for low batteries may sound and the light for a **low battery** (N°.7) may appear. Both will stop (lasts no more than a few minutes when the adapter is plugged into the energy source) (see explanation for **Low Battery**, N°. 15).
2. Check the transmitter in the foaling area. Pull the magnet out of the transmitter. The receiver will be activated. The further the antenna, the longer it takes for the transmitter's waves to reach the antenna. If the magnet is replaced too early, then the connection build up will be broken. After the alarm has gone off, put the magnet back into its holder. Repeat the test in all the places where the mare might go to give birth.
3. As soon as the magnet is removed from the transmitter, the alarm chain is set off. For the receiver, this means: first the alarm light (N°.3) appears. Secondly an audible alarm is heard. Thirdly any accessory (e.g. cell phone dialler) is activated. If you have bought a **blue transmitter**, the red indicator light will blink rapidly until the magnet is replaced in its holder.
4. First put the magnet back into the transmitter's magnet holder. The **Reset-button** (N°.4) should only be activated thereafter. The alarm will stop. Leave the receiver in "ready" mode.
5. *Jan Wolters Abfohlsystem GmbH* recommends controlling and testing the transmitter daily. The transmitter must be kept clean from excrements. Always keep the surface of the magnet holder clean. In this way you will ensure that the magnet pulls out of the holder easily in the event of foaling. At the end of the foaling season, store the equipment in the case it was supplied in. Clean the transmitter. The magnet must be kept in the magnet holder. Ensure that all switches are switched off and no power sources are still on. Test the complete foaling system thoroughly and in plenty of time before each use.

## Guarantee

**Receiver, cell phone dialler:** 2 years from date of purchase.

**Red Transmitter/Blue Transmitter:** The transmitter is guaranteed for 2 years from date of purchase. No warranty after use. The impulse time for the **blue transmitter** is approx. 3 hours and 10 births. The maximum lifespan is 3 years.

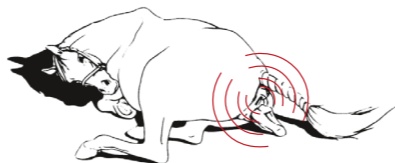
Jan Wolters Abfohlsystem GmbH is not liable for any damage that may occur prior to, during or following the birth as a result of using the foaling system with or without accessories.

# JAN WOLTERS ABFOHLSYSTEM GMBH

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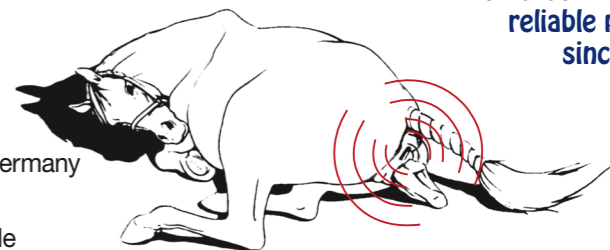
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# JAN WOLTERS ABFOHLSYSTEM GMBH

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reliable partner  
since 1989



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## Product Information

The American Abfohlsystem foalert inc. which has been successfully distributed by Jan Wolters Abfohlsystem GmbH nationally and internationally since 1989, offers revolutionary reliability into the monitoring of mares-in-foal as well as the best possible protection for your mare, plus constant control and protection for yourself.

What is the advantage of our system? Your purchase is an all-inclusive package which gives you peace of mind by monitoring your valuable horse **24 hours a day and 7 days a week**. This means that with just one transmitter and one receiver you will have constant, comprehensive control over your mare-in-foal.

What are the advantages for you?

Peaceful, relaxing nights and a family life. Your appliance will keep you informed and warn you in plenty of time.

The Abfohlsystem can easily be extended (cell phone dialler).

Additionally, the system may also be used in the case of mares where stitching has been necessary.



What constitutes the Abfohlsystem? The system is composed of a transmitter and a receiver. The small transmitter is sewn onto the outside of the mare's vulva. When the labia open, the magnet is released from the transmitter. An inaudible radio signal is sent to the receiver which emits an acoustic alarm. Depending on the equipment accessories (e.g. phone dialler/cell phone), the alarm will be activated immediately (as a phone call).

It is important that the antenna is placed within the range of the transmitter. This range is approx. 40 m for foaling in the stable (receiver 1) and approx. 250 m for foaling in the paddock (receiver 2). This distance data is reliable. It is however important to consider each individual foaling set-up, as obstacles (e.g. metal, WI-FI) can influence reception.

Please read these instructions carefully before using the *Jan Wolters Abfohlsystem* and follow each step in the order indicated.

## Transmitter

### Transmitter – General Information

There are two different transmitters.

The **red transmitter** can only be used for one birth.

The **blue transmitter** can be used several times. It is designed to transmit for 10 births. The pulse duration is 3 hours; the maximum lifespan is approx. 3 years.

**FREE:** At the end of the foaling season (but no more than once a year!) we will test your **blue transmitter** free of charge for any remaining available births, or remaining impulse time. Please pay for the postage to us; we will test your transmitter and pay the return postage.

### Transmitter – Precautions

Transmitters should be stored individually in bubble wrap in a cool place.

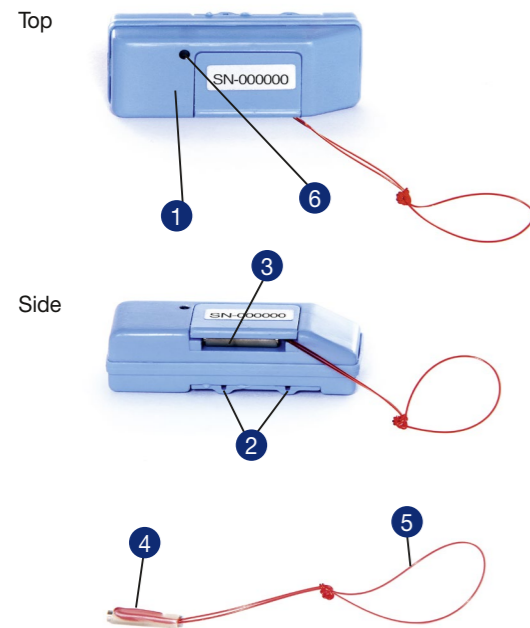
The transmitter is particularly appetising for pets such as cats or dogs if it has previously been used for foaling and is still covered in amniotic fluid.

### Transmitter – Hints for usage

Clean the transmitter when necessary with a nailbrush under running water.

The **red transmitter** can be used for one foaling only. The **blue transmitter** can be used several times. Both the red and the blue transmitters can be tested several times, provided the magnet is not removed from the magnet holder for longer than one minute each time. The countdown starts at zero at each test. Individual test activations are not added up together. The magnet should remain in the magnet holder during stitching.

## Transmitter – Parts of the Transmitter



- 1 **Red or blue casing:** the casing protects the transmission unit from moisture. Never detach the casing or take it apart of your own accord!
- 2 **Fastening loops:** the threads are first threaded through the loops. The transmitter is then attached to the left labia of the mare's vulva. The stitches to attach the transmitter should go approx. 4 cm deep into the labia.
- 3 **Magnet holder:** holds the trigger magnet in the transmitter casing. Push the magnet sideways into the transmitter. Never try to pull up the flap as this can cause it to break off; the transmitter then becomes useless.
- 4 **(Trigger) magnet:** removal of the magnet from the casing activates the transmitter and uses up the transmitter batteries.
- 5 **Magnet loop:** the magnet is sewn in to the right side of the mare's vulva using the loop. The stitches should go approx. 4 cm deep into the labia and be knotted three times.
- 6 **Battery indicator (only for the blue transmitter):** the red light flashes when the magnet is not in the holder. If the light flashes irregularly or not at all, the transmitter should be replaced, as the battery is flat.

Please note: the **red transmitter** does not have a light.

### Attaching the transmitter

To achieve the best result, we recommend fastening the transmitter to the mare approx. 1 to 2 weeks before foaling and following the instructions.

- Use **only Supramid white (USP 3&4 EP6)** thread.

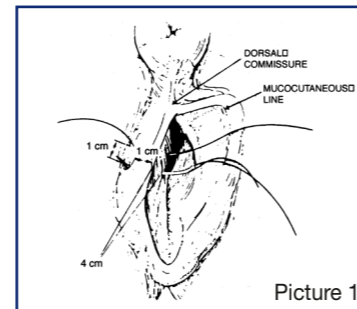
Fasten the transmitter and magnet according to the instructions as follows.

Should you use other stitching materials, this will likely cause interference, damage, and the transmitter and/or magnet to fall off. That is: if you use absorbable stitching materials, the transmitter and/or magnet will fall off. Stitching material which is too fine will cut into the vulva, causing injury and potential infection.

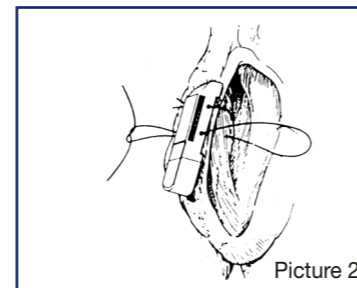
### Preparation of the mare

It is possible to use the Abfohlssystem on mares which have already had a "Caslick procedure". Clean the labia of the vulva. A local anaesthetic is applied to the upper third of the labia on both the right and the left sides.

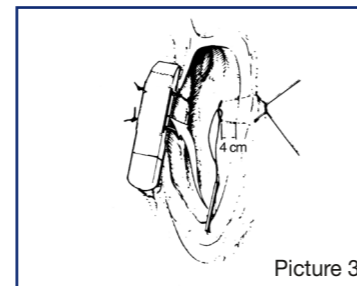
The transmitter is then sewn on. Pull the knots tightly. Otherwise it can happen that the transmitter casing becomes loose once the swelling has gone down. It is a good idea to put a small piece of waterproof material under the knot as this ensures a better distribution of pressure. Leave the magnet in the magnet holder during stitching. The smaller the breed of horse, the closer the knot should be to the magnet loop.



Picture 1



Picture 2



Picture 3

### Attaching the Casing

After applying the local anaesthetic, attach the transmitter about a third way from the top corner ("dorsal commissure") of the left vulva labia exactly adjacent to the mucous membrane. Stitch approximately 4 cm deep. This will ensure the best positioning.

Do not use absorbable thread (**Supramid white**). Stitch the thread first through the labia then through the upper loop and then tie with a triple knot. Repeat the procedure for the lower loop. The magnet must remain in the casing during stitching.

### Attaching the Magnet

The magnet remains in the casing during stitching. Sew the magnet with thread to the right upper vulva labia as parallel as possible to the transmitter casing. First sew the thread through the mucous membrane, then through the magnet loop and lastly back through the labia.

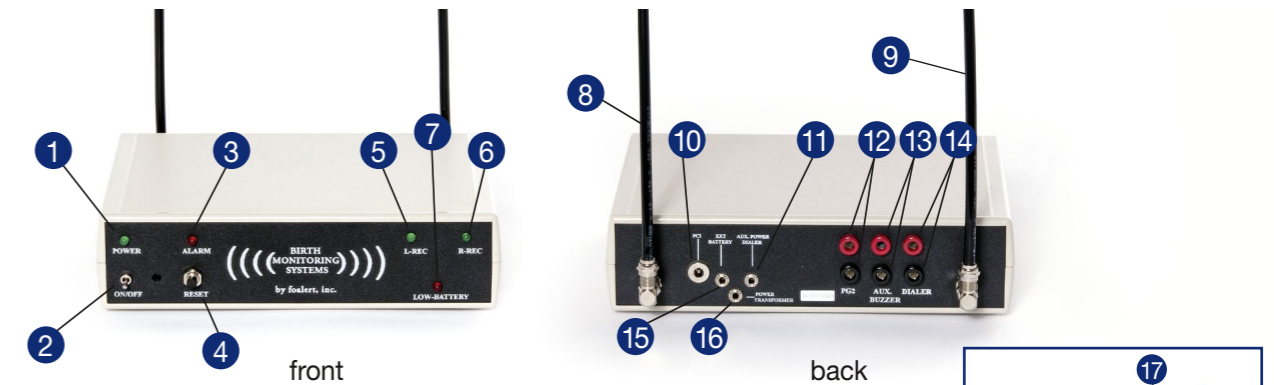
The ends of the thread are tied in a triple knot. The closer the knot to the magnet, the faster the magnet can be released from the casing.

## Receiver

**Receiver 1** with one antenna connection, has a range of approx. 40 m and is used for monitoring in the stable.

**Receiver 2** with two antenna connections. As well as the normal antenna connection it has an additional antenna connection for monitoring the paddock area. The range is approx. 250 m (see illustration).

Only use the receiver with the small black antenna if it is placed at eye level right next to the foaling stable.



- 1 **Power:** green light appears when the receiver is switched on.
- 2 **On/Off:** with this switch, the receiver is switched on and off.
- 3 **Alarm:** red light appears when the receiver is activated.
- 4 **Reset:** stops acoustic alarm and puts receiver back to ready mode.
- 5 **L-Rec:** green light appears as soon as the left antenna receives the transmitter's signal.
- 6 **R-Rec:** green light appears if the right antenna receives the transmitter's signal (only for **Receiver 2**).
- 7 **Low Battery:** after a lengthy down time (without being used), the appliance will indicate that the battery needs to be charged. Plug the appliance into a power source; the beeping will stop after about 15 minutes. If the beeping continues after about 30 minutes, this means the battery needs replacing.
- 8 **Antenna:** just as N°. 9, these are the antenna connections for **Receiver 2**.
- 9 **Antenna:** this is the antenna connection for **Receiver 1**.
- 10 PG 1
- 11 **Aux. Power Dialer:** connection for the phone dialler cable. Only relevant if this accessory is being used.
- 12 PG 2
- 13 **Aux. Buzzer:** The cables of the cell phone dialler (dialler, see No. 14) are plugged into the connections (red and black banana plugs). This prevents delayed pulse transmission. This information is only relevant if the appropriate accessories are used.
- 14 **Dialer:** The connections for the cell phone dialler are in the Aux. Buzzer (No. 13) inserted. Otherwise the impulse transmission may be delayed. This information is only relevant if the appropriate accessories are used.
- 15 **Ext. Battery:** as soon as **Low Battery** is shown, the system will no longer work properly. The system can however be used without a battery if an electric cable is plugged into **Ext. Battery** (N°. 15). Please note that the receiver will not work unless it is connected via **Ext. Battery**.
- 16 **Power Transformer:** connection for a **12 Volt A/C adapter** (N°. 17).
- 17 **A/C Adapter:** plug the adapter into both the **Power transformer** (N°. 16) and a standard socket

### Central Antenna

First, assemble the central antenna and place it as high as possible (e.g. under the stable roof).

The central antenna is connected to the receiver by means of a 15 m cable (see Connection N°s. 8 and/or 9). For receiver 2, you will have an additional central antenna and a 25 m cable. This is for monitoring the paddock area. Install the antenna in the direction of the paddock and mount it as high as possible (e.g. roof top).

The antenna cables cannot be extended ad infinitum since a long cable affects reception or weakens the signal in the cable.

