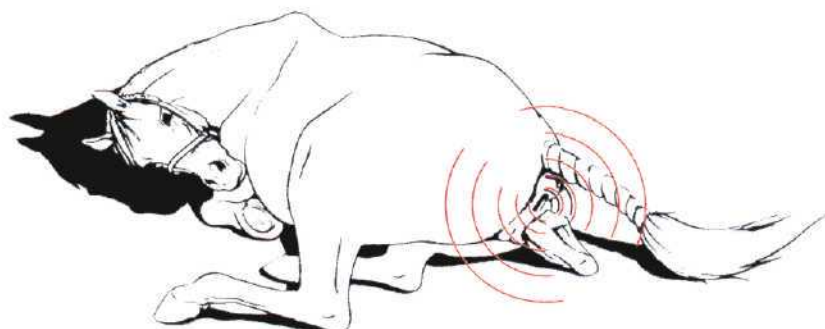


JAN WOLTERS

• ABFOHLSYSTEM •

GMBH



This foaling system, which comes from America and has been distributed by us since 1989, introduces automatization into the world of horse breeding. The most important difference between this and other systems for the monitoring of mares-in-foal is the high level of reliability which has not previously been available and which this system provides.

Have you ever thought about how much your foal has already cost before it even sees the light of day? So why not invest some money for a successful foaling system? For a relatively small sum, this appliance offers a great number of advantages as compared to other methods.



The most important advantage is that the appliance monitors your mare night and day and thus takes over a large proportion of your responsibility. Your mare will be constantly monitored independently of your own whereabouts. For example, this also means that the mare can give birth to her foals outdoors without any problems. You, the breeder, can once again enjoy a good night's rest, whilst the appliance warns you in good time. Incidentally, the system may also be used in the case of mares where stitching has been necessary.

The foaling system has been developed to help support a monitored foaling. The system is composed of two basic components, the **transmitter** and the **receiver**. The small **transmitter** is sewn on outside the mare's vulva lips. When the vulva lips are separated the trigger magnet is removed from the **transmitter**. This means an inaudible radio signal is sent to the **receiver**, which 1) emits an acoustic alarm and 2) activates any

accessories used. In order to activate the receiver, it **MUST** be 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 on the paddock (receiver 2). Although these distances are reliable, it is essential to calculate on the basis of the specific foaling situation, since certain obstacles (especially metal) may influence the transmission distance.

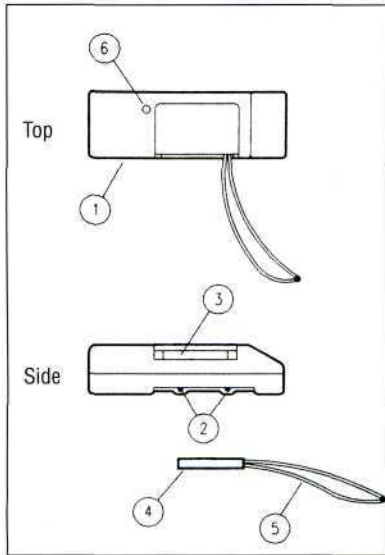
Thorough knowledge of the system and its application is essential. Please read this entire instruction leaflet in detail before using the system. It is important to follow all directions carefully.

FOALING SYSTEM

- 1.) Transmitter
- 2.) Receiver
- 3.) Central antenna
- 4.) Extra bell
- 5.) DVD with explanation of how to sew the transmitter on

• TRANSMITTER •

We differentiate between two types of transmitters: the red transmitter is to be used once only, the blue transmitter can be used several times. Transmission time approx. 3 hours. 8 till 10 births. Maximum duration of life 3 years.



- 1 **Blue or red casing:** Hermetically sealed to protect against moisture.
- 2 **Fastening loops:** The threads are threaded through the loops to attach the transmitter casing to the left outer lip of the mare's vulva.
- 3 **Magnet holder:** Holds the trigger magnet in the transmitter. Push magnet sideways into the transmitter. Do not try to pull up the flap as this causes it to break off; the transmitter then becomes useless.
- 4 **Trigger magnet:** Removal of the magnet from the holder activates the transmitter. When the magnet is not in the holder, the transmitter batteries are used up.
- 5 **Magnet loop:** Through the loop, the magnet is sewn on to the right side of the vulva.
- 6 **Battery indicator (only on the blue transmitter):** The red light flashes when the magnet is not in the holder. If the light does not flash the transmitter should be replaced, as the battery is flat.

Note: The transmitter should be cleaned with warm water and soap as required. The red transmitter can be used for **one** foaling only. It can be tested as often as necessary, however, provided the magnet is not removed from the magnet holder for longer than one minute each time. After a transmission time of more than one minute, the transmitter cannot be reactivated. The blue transmitter can be used several times. After it has been used once, however, no guarantee can be given. To prolong the transmitter's lifetime the magnet should remain in the magnet holder during sewing on and should be put back immediately after foaling. **Transmitters should be stored separately, wrapped in air-cushioned film, in a cool place. Warning:** The transmitter is a real titbit for dogs, especially if it is still smeared with amniotic fluid.

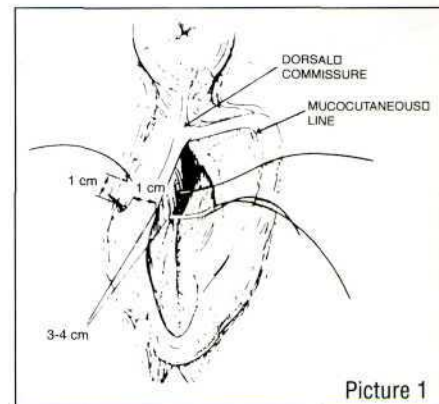
Attaching the transmitter

The transmitter is to be sewn on by a veterinary surgeon after the mare has been given a local anaesthetic.

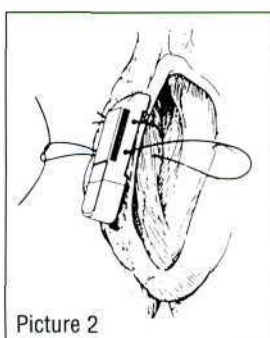
It is recommendable to attach the transmitter to the mare approx. 1 to 2 weeks before foaling to achieve ideal performance. Use **only** the following types of thread in order to attach the device: supramide white, polyamide threads 6, pseudo-monofil, non-absorbable, 5 metric, 2USP.

Preparation of the mare

The mare is prepared and held back for a „Caslick“ procedure. The lips of the vulva are thoroughly cleaned and rinsed. A local anaesthetic is applied where the stitches are to be positioned. Take care to ensure that the knots are firm so that the whole appliance does not become too loose when the swelling subsides after the anaesthetic. Underneath the knot you can attach a small piece of water-repellent material (swimming cap or diving suit material for example), as this ensures a better distribution of pressure. In order to prolong the transmitter's life duration, it is important for the magnet to remain in the magnet holder during sewing on. **A knot has to be made in the magnet loop, the smaller the horse breed, the closer the knot has to be to the magnet.**



Picture 1



Picture 2

Method A – standard method of sewing on the transmitter

Attachment of the casing

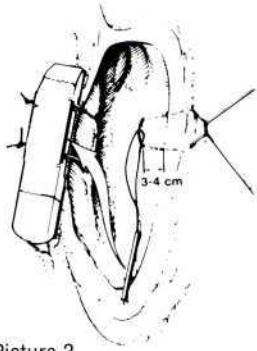
(see pictures 1 and 2)

The top side of the transmitter must be attached 3 cm from the top corner (dorsal commissure) of the vulva and the side is to be attached exactly adjacent to the line of the mucous membrane. You sew approximately 3 to 4 cm deep, this is the safest way and also causes less discomfort. The threads have to be pulled through the two loops in the casing. The knots are made on the left side of the casing.

Attachment of the magnet

(see picture 3)

The magnet is attached by sewing along 2 cm parallel to the line of the mucous membrane. (The closer the knots are to the magnets, the faster the magnet will detach itself from the casing.) Subsequently press the magnet into the casing – the transmitter is then ready to send impulses.



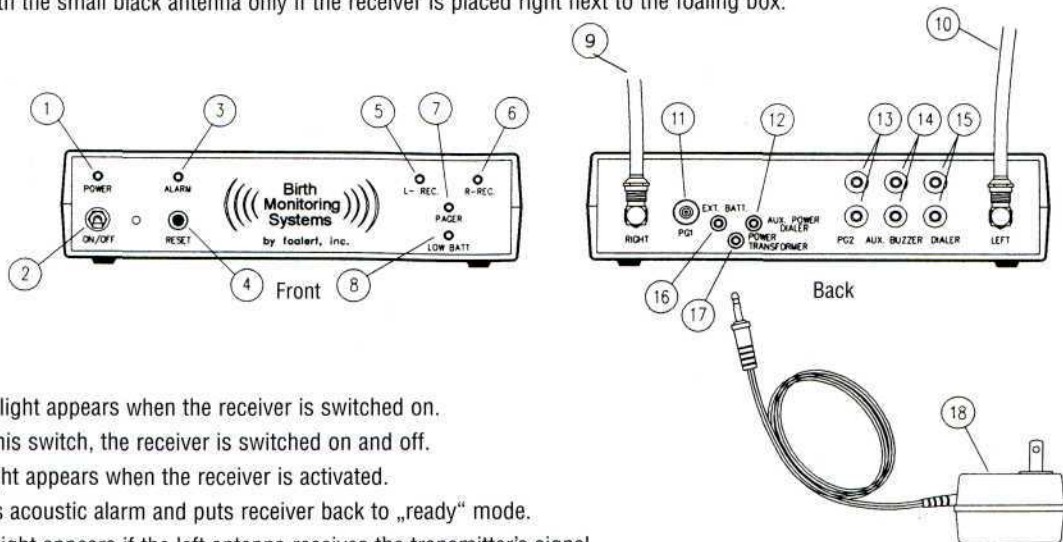
Picture 3

• RECEIVER •

Receiver 1 with one antenna connection, range of approx. 40 m, for use in the stable.

Receiver 2 with two antenna connections (normal antenna connection and additional antenna connection for monitoring the paddock area), range of approx. 250 m

Use the receiver with the small black antenna only if the receiver is placed right next to the foaling box.



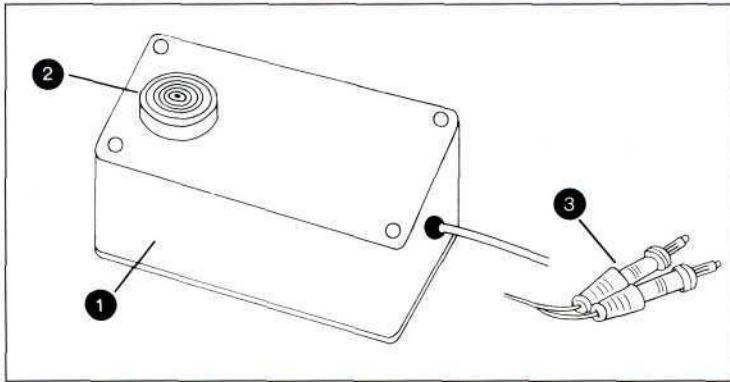
- 1 Power:** Green light appears when the receiver is switched on.
- 2 On/Off:** With this switch, the receiver is switched on and off.
- 3 Alarm:** Red light appears when the receiver is activated.
- 4 Reset:** Reverts acoustic alarm and puts receiver back to „ready“ mode.
- 5 L-Rec:** Green light appears if 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 Pager:** Yellow light appears when the receiver is activated and the Euro Funk system (if used) is transmitting.
- 8 Low Batt.:** Red light flashes if the receiver's batteries need to be reloaded and the warning system for low batteries is beeping. The receiver will normally work even with weak batteries, provided it is plugged into an energy source. To reload the battery, you should leave the receiver switched on once connected to an energy source. The beeping concerning the receiver's low battery will stop after 30 minutes.
- +10 Antenna(e):** There two antenna connections for receiver 2 only. Receiver 1 has only one antenna (10) and one connection.
- 11 PG 1:** Connection for the Euro Funk system (2001 model), if this accessory is used.
- 12 Aux. Power Dialler:** Connection for the cable of the phone dialler, if this accessory is used.
- 13 PG 2:** Connection for the red/black jack plug for the Euro Funk system (old model), if this accessory is used.
- 14 Aux. Buzzer:** Connection for the red/black jack plug for the bell, if this accessory is used.
- 15 Dialler:** Connection for the red/black jack plug for the phone dialler, if this accessory is used.
- 16 Ext. Batt.:** This connection is only needed if there is no electric current and a car battery is used.
- 17 Power transformer:** Connection for a 12 Volt A/C adapter for use with a standard socket.
- 18 A/C adapter:** Plug into the „Power transformer“ (17) and a standard socket.

• CENTRAL ANTENNA •

First, assemble the central antenna and attach it as high as possible between the foaling boxes. The best place is the stable ceiling, as radio waves always move upwards. Please ensure, however, that there are no electric appliances in the vicinity. The central antenna is connected to the receiver by means of a 15 m cable. For receiver 2, you get an additional central antenna for monitoring the paddock area, or an other stable track, also with a 25 m cable. (Note: The antenna cables cannot be extended ad infinite.) The shorter the cable of the central antenna, the more reach this central antenna will achieve.



• EXTRA BELL •



- 1 Bell casing:** This casing contains an E-block battery that should always be replaced in good time.
- 2 Alarm:** If the receiver sends out an impulse, the acoustic signal sounds here.
- 3 Red and black plug:** These have to be connected to the receiver's red and black socket (14).

If, for instance, you want to put the bell into your bedroom, the cable from the bell to the receiver can be extended as required. It is also possible to mount several bells in different places.

• TESTING THE SYSTEM •

AFTER YOU HAVE RECEIVED THE TRANSMITTER, AND BEFORE SEWING IT ON, YOU SHOULD 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, with as few „obstacles“ around as possible. Please remember that metal can block transmissions from the transmitter.

- 1) Position the central antenna within the recommended range from the foaling stable or the paddock (receiver 1 approx. 40 m – receiver 2 approx. 250 m). Plug the A/C adapter into the receiver's „Power transformer“ and into a standard socket. Switch the „Power“ switch to ON – the green light appears. The beeping for low batteries may sound and the light for low batteries may appear. Both will stop after a few minutes when the adapter is plugged into the energy source. Plug the antenna cable(s) into the respective antenna connection(s).
- 2) Take a transmitter and go to the foaling area. Pull the magnet out of the transmitter to activate the receiver. Put the magnet back into the holder immediately. Repeat the test in all the places where the mare might go for foaling.
- 3) When the magnet is removed from the transmitter, then a) the red „alarm“ light on the receiver will appear, b) an audible signal from the receiver will go off and c) any accessory connected to the receiver will be activated. The red indicator light on the blue transmitter will flash until the magnet has been put back into the holder.
- 4) If the receiver does not give off an alarm, you may have to position it differently.
- 5) Press the „reset“ button on your receiver to switch off the alarm and leave the receiver in „ready“ mode.
- 6) It is recommendable to test the basic components daily to ensure a regular functioning. The transmitter must be kept clean from excrements. The surface of the magnet holder should be kept clean to ensure that the magnet can be pulled out of the holder easily in the event of foaling. After the foaling is over, store your accessories in the case provided. The transmitters should be cleaned – the magnet **MUST** be in the magnet holder. Ensure that all switches are switched off. It is recommendable that all accessories are tested thoroughly each year before commencement of foaling.

Accessory appliances:

Phone dialler: Accessory that can dial 3 phone numbers. You need a free telephone connection near the receiver.

Cell Phone Dialler: Works with SIM card connection and can dial 3 telephone numbers.

Guarantee:

Receiver, Phone dialler, Cell Phone Dialler: 2 years after date of purchase.

Transmitter: No guaranty after use.8 till 10 Births (Impulse time of the blue transmitter approx. 3 hours. Maximum duration of life 3 years.)

Jan Wolters Abfohlssystem GmbH is not liable for any damage which occurs prior to or following the birth as a result of using the foaling system with or without accessories.

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