

Sisteck

# C6 EVO User Manual

Foaling Alarm System



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C6 EVO  
Foaling Alarm System

# C6 EVO User Manual produced by **Sistek**

[www.sistek.com](http://www.sistek.com)

## System Overview

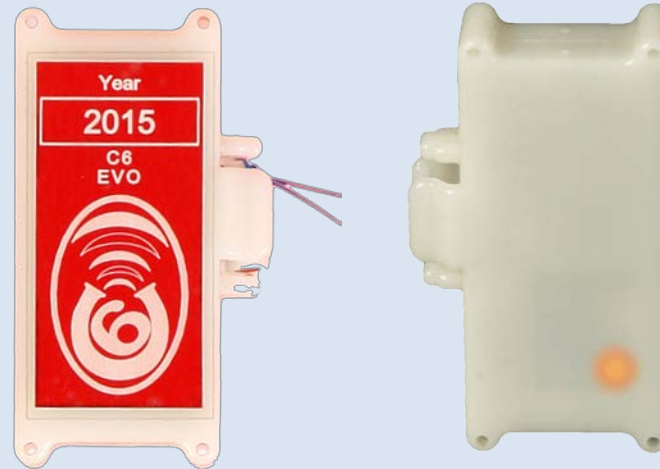
C6 EVO foaling alarm aims to alert the breeder at the right time of the beginning of the second stage of labor best described as the engagement of the foal in the vaginal canal. The major function of the system is to alert of the start of the foaling process helping the breeder to detect this unpredictable event. C6 EVO base kit system is composed of two radio unit, the receiver module C6 EVO RX with its own power supply and the transmitter module C6 EVO TX.

**First of all, before turn ON the C6 EVO RX connect the two antennas to the respective screw otherwise its possible cause damage the system.**





## C6 EVO TRANSMITTER



C6 EVO TX module is built in waterproof plastic with an electronic circuit in it stoked by a battery, able when activated, to send radio waves.

The feature of this transmitter is that is even a receiver so when activated, in the instant later it receive a radio wave that will put in standby the battery optimizing the consumption.

It is provided , in the rear part, by a RED LED light that is activated when the C6 EVO TX send radio wave so, when blinking, signals the transmission of the radio waves helping to monitor the functionality of the system, like range of action and right functionality of the C6 EVO TX itself.



The radio transmissions are in sequences of 6 and are made visible by the blinking of the RED LED light.

The C6 EVO TX also provides an ID MAC NUMBER that identifies each C6 EVO TX and this information is readable in the touch screen of the C6 EVO RX and posted in the SMS message on the mobile phones listed in the setting menu opportunely selected

After each transmission there is a break for a few seconds.

Once the signal is picked up by the receiver the transmitter goes in standby and displays a double blinking of the RED LED light.

This double blinking is a sign of the beginning of the stand by phase of the C6 EVO TX and also a guide that is helpful to determine the right distance between RX and TX.

In the lateral outline is there is a longitudinal groove where the mobile part of the transmitter (made of magnetic cylinder fixed with a nylon suture material) is lodged.

In the frontal plane there are also four visible small holes where the transmitter is sutured to the Mare's vulva. The electronic circuit is activated when the magnet becomes separated from the groove. **In order to avoid running down the battery , always leave insert the magnet inserted in its lodge of the C6 EVO TX.** In case you make a test to check the transmitter remember to turn on C6 EVO RX just to permit the stand by function described before. It's always advisable to put the magnet in its lodge after this check. In order to avoid accidental activation of the transmitter leave a distance between the transmitters of 3 cm and don't store in proximity of a magnetic source.

The maximum distance between the two modules is 500 meters if both modules are in an open field.

Always check you do not exceed the operative range, before installation in the mare.



## C6 EVO BASE (RECEIVER)

C6 EVO RX is a plastic shell that contains a main board with a radio wave receiver , a GSM module and a emergency battery in the even of a powercut that permits an autonomy of 12 hours.

On the lateral side there is the access to the SIM card drawer and a mini USB jack , covered by a yellow cap.

On the same side the ON/OFF button and the jack to connect the 220V power supply that must be kept always plugged in.

In the front a touch screen pad is well visible and below this three LED reporting three different statuses;  
ON ; ALARM ;CHARGE.

The led Charge is visible only with the power supply connected to the 220 V network and with the C6 EVO RX turned ON

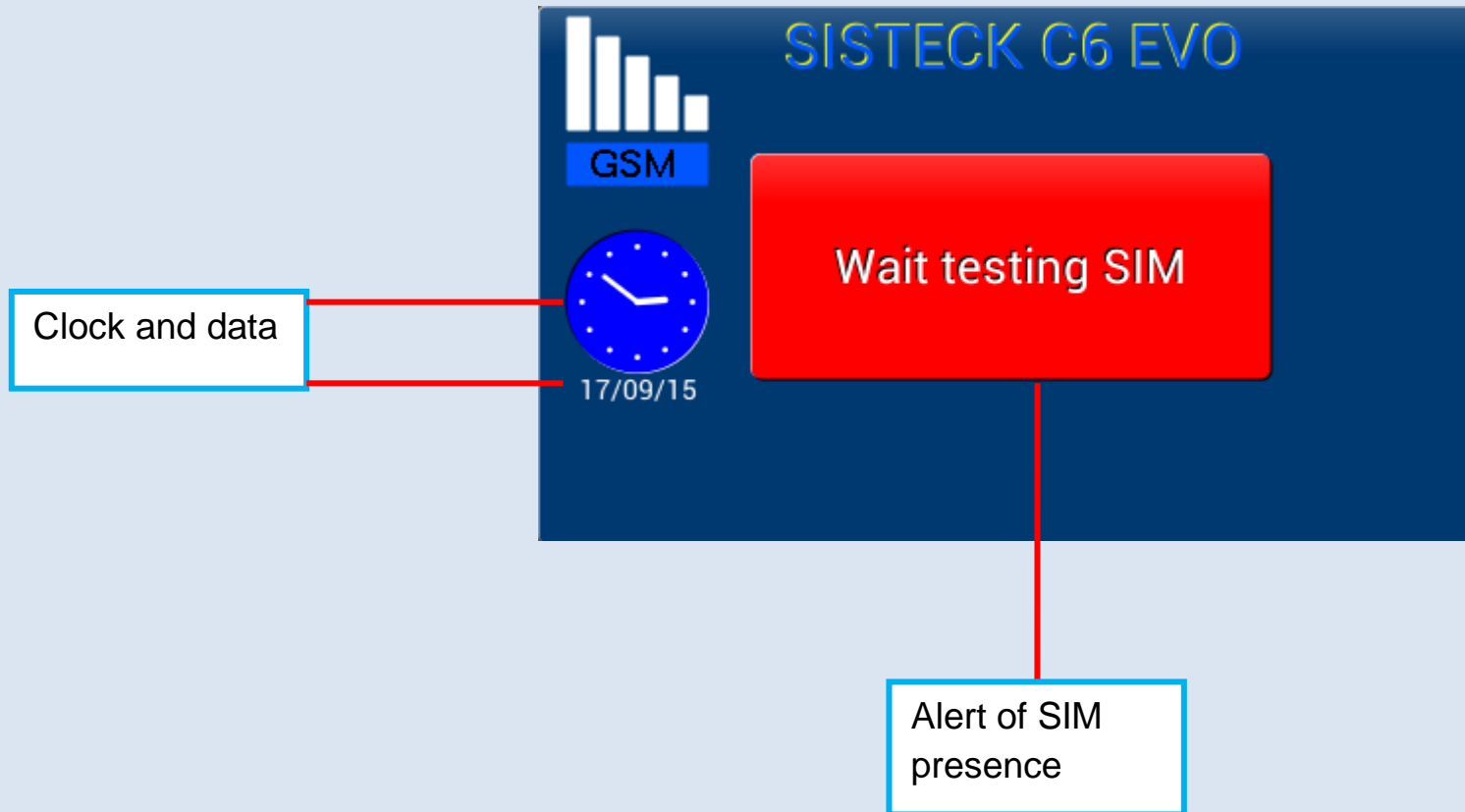




## Slides

Now connect the power supply to the jack and to the electrical network and insert the SIM card in its drawer.

Pressing the ON/OFF button the touch screen is turned on and the slide below will immediately appears





## Slide: with the SIM inserted inside

level of the GSM field network

foaling alarm name and the company brand



The SET key gives you a new slide just enter the default password 0000 with the followings keys

- [1\)Phone Numbers](#)
- [2\)Change Password](#)
- [3\)Door Alarm ON OFF \(Security future instance\)](#)
- [4\)Reset in red that will be visible just after the activation of a C6 EVO TX and when it will be touched will interrupt the out coming calls](#)

[The INFORMATION](#) key gives access to a slide that gives you the GSM network status, the GSM company name, the IMEI number with and the web site where to download the user manual. The SMS key, that shows the [last SMS](#) received, the [LOG key](#) with some technical information.



## Slide: Info

Exit from the page

The LOG key give some technical information

The Firmware version

The radio channel

The IMEI number

The GSM company

The GSM status Home  
Wait or Roaming

The web site where  
download the user  
manual



ESC

INFO

LOG

SMS

Firmware: 7.9  
Channel: 1

Imei: 863071012029317  
Operator: TELECOM ITALIA MOBILE  
Network Reg: REG HOME  
Download User Manual: <http://www.sistecK.com>

Show the last SMS  
received

[To forward the SMS  
received to another  
number visit this slide](#)

Automatic waiting time  
to return to the previous  
page



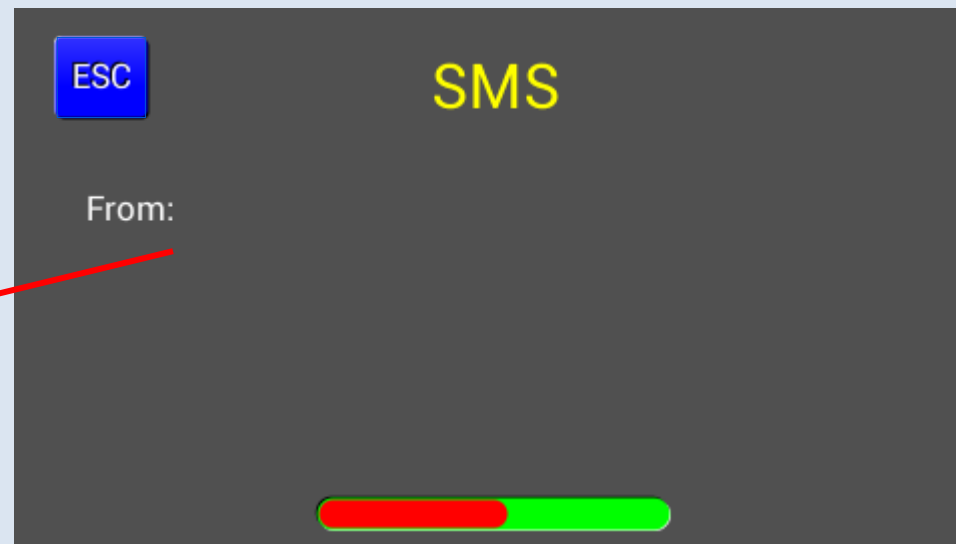
## Slide: SMS

Sign of new message received

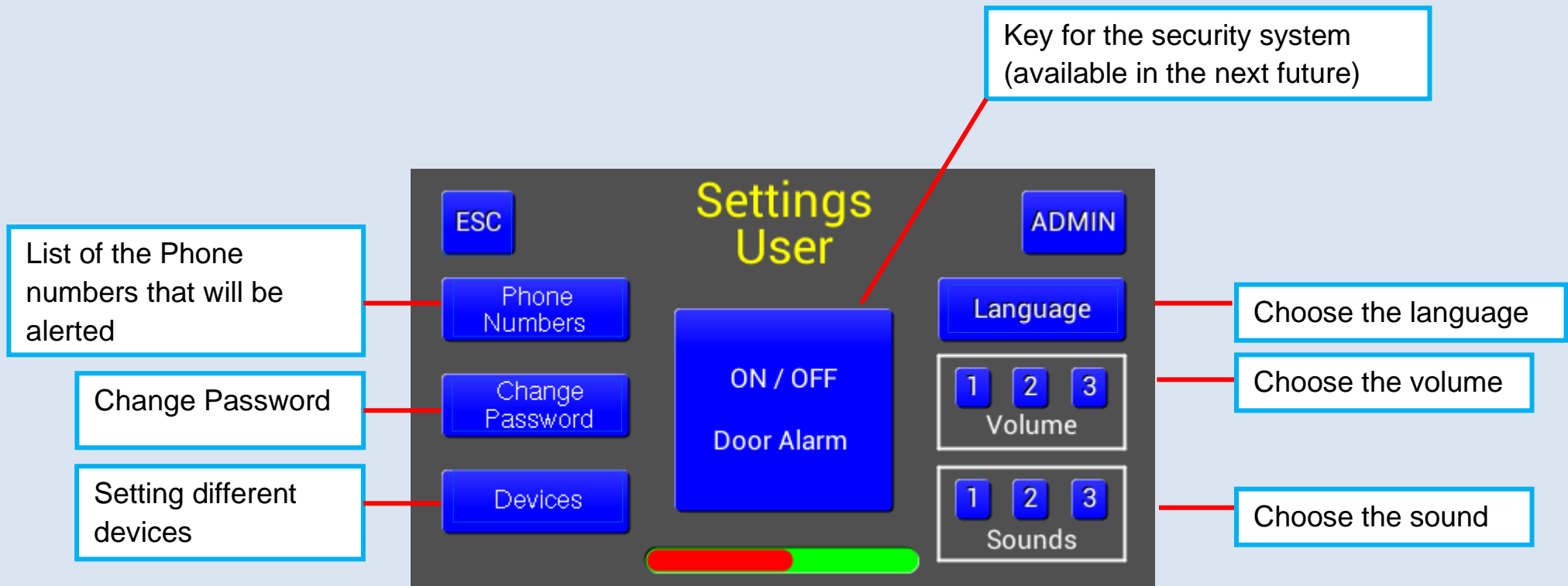


Access to read the SMS

Message content



## Slide: Settings

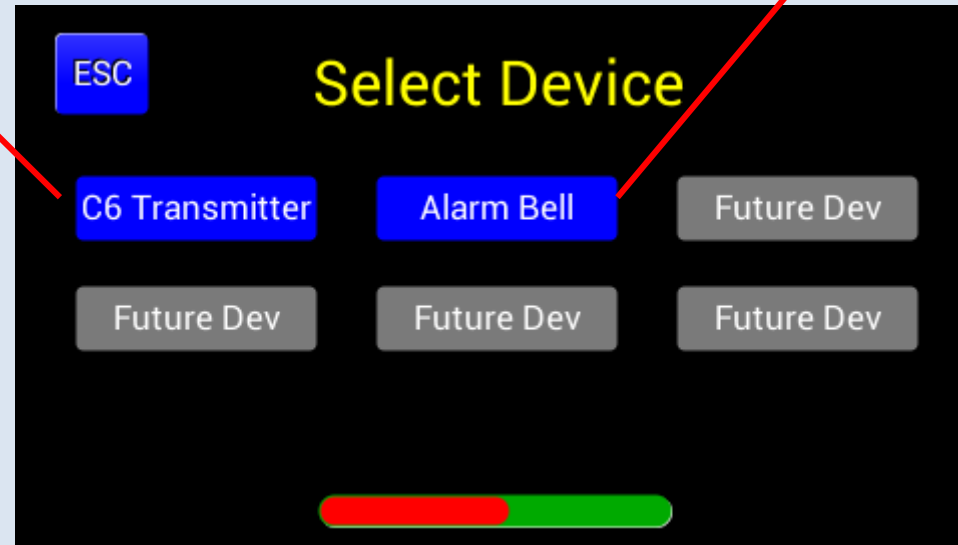




## Slide: Setting Different Devices

Key to test the capacity away of the transmitter

Key to set the wireless auxiliary alarm bell, capacity away and duration




## Slide: C6 EVO TX Test

**ESC** **Test C6 EVO TX**

Fit the two modules (C6 RX and C6 TX) where will be installed and press the Start button



**Start**



Green light: right limit  
Yellow light: near to the limit  
Red light: on the limit  
No light: too far from the limit


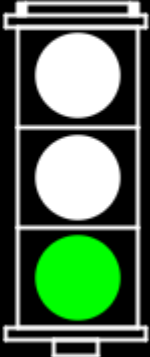
**ESC** **Test C6 EVO TX**

Separate the magnet from the TX groove and wait 40 seconds to terminate the entire cycle



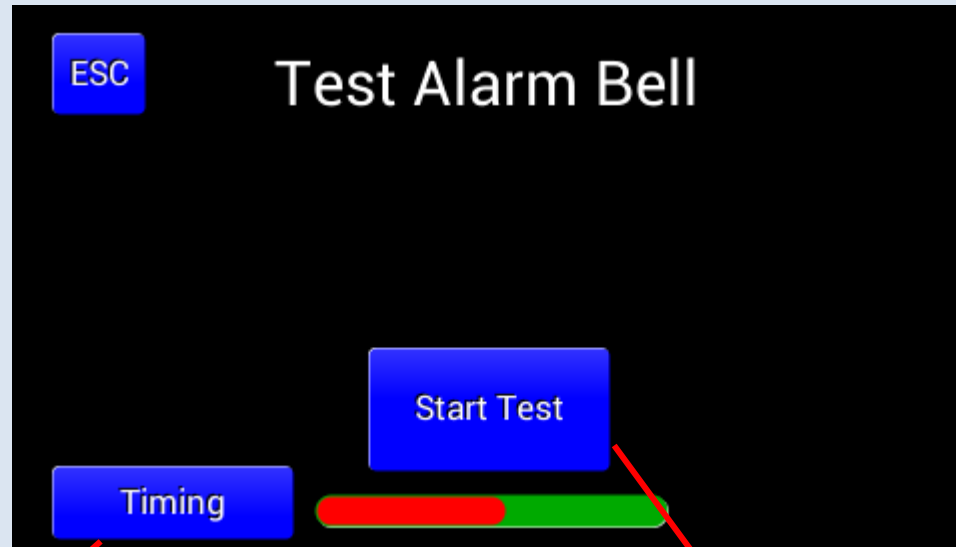
**ESC** **Test C6 EVO TX**

COUNTS:	125
RSSI:	-61
ID:	1340



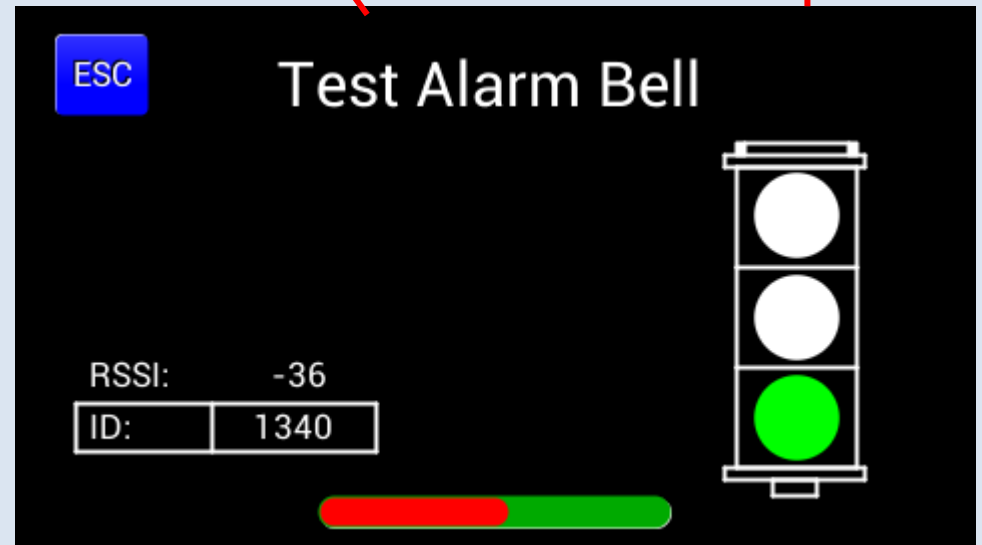
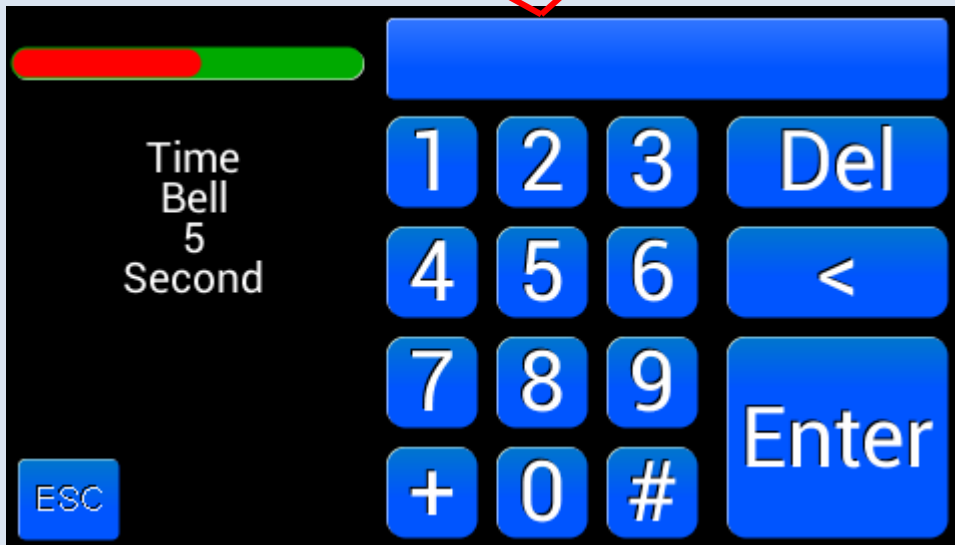


## Slide: Alarm Bell Test and Timing



Green light: right limit  
 Yellow light: near to the limit  
 Red light: on the limit  
 No light: too far from the limit

Set the duration, in seconds, of the wireless alarm bell





## Slide: Telephone Number List and forward SMS

Key to insert the first number

C	NUMBER	SMS	VOICE	POWER	DOOR
1	123456789	on	off	off	off
2	987654321	on	on	off	off
3	+390536807111	off	on	off	off
4	45667788	off	off	off	off

ESC [Progress Bar] [Next]

Flag to activate or deactivate the specific function where you can set the list of the phone numbers that will be alerted when the foaling process is beginning; on that slide is also possible to set in which way the system alert you and by activate the SMS , that will carry on the ID MAC number of the C6 EVO TX and /or VOICE we will receive a phone call concerning the same event, foaling time.

The others two keys POWER and DOOR will alert you respectively on the lack of 220 volt network and the possibility to be alert from the door sensor (that will be ready like future security facilities).

C	NUMBER	SMS	VOICE	POWER	DOOR
5	+393475555555	on	off	off	off
6		off	off	off	off
7		off	off	off	off
8		off	off	off	off

ESC [Progress Bar] [Previous] [Next]

NUMBER	FORWARD SMS
123456789	off

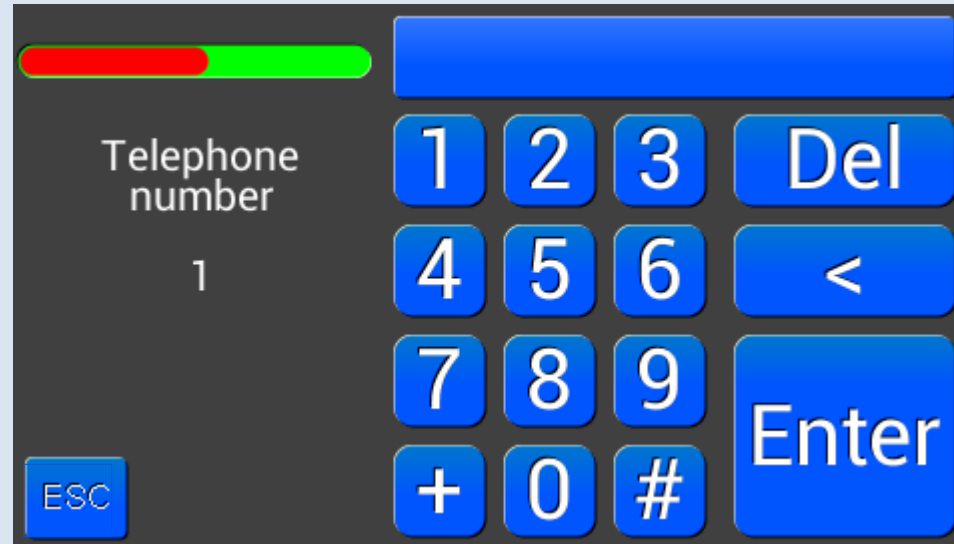
ESC [Progress Bar] [Previous]

Page to forward the incoming SMS to another number



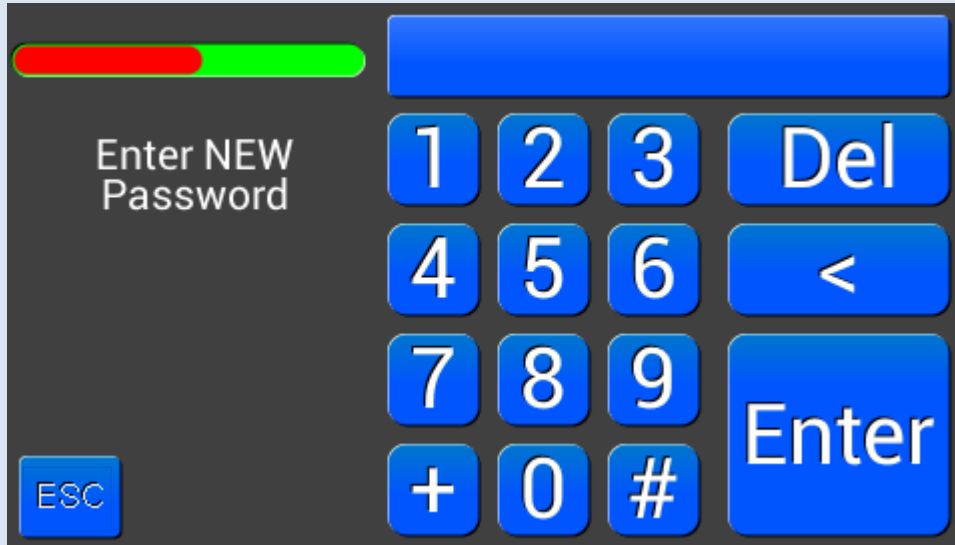


## Slide: Telephone Number

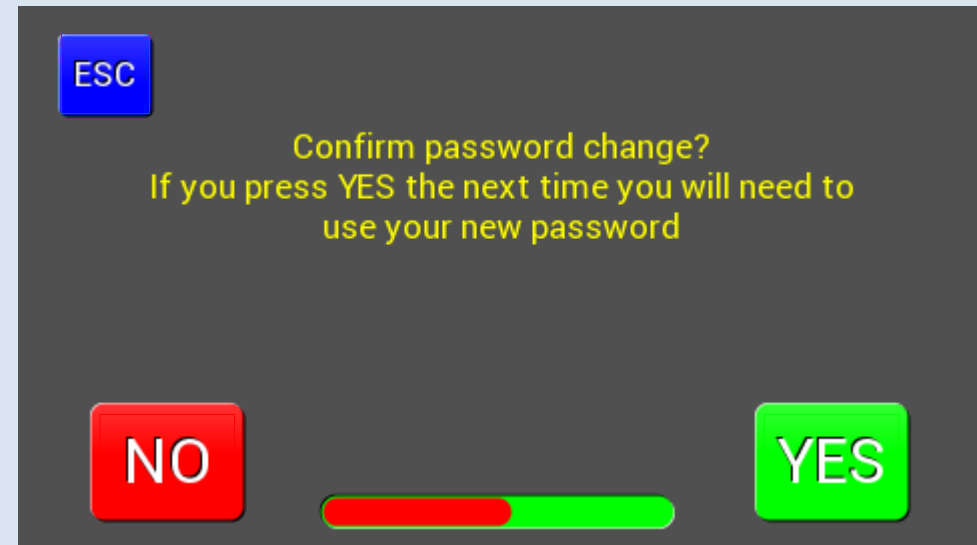
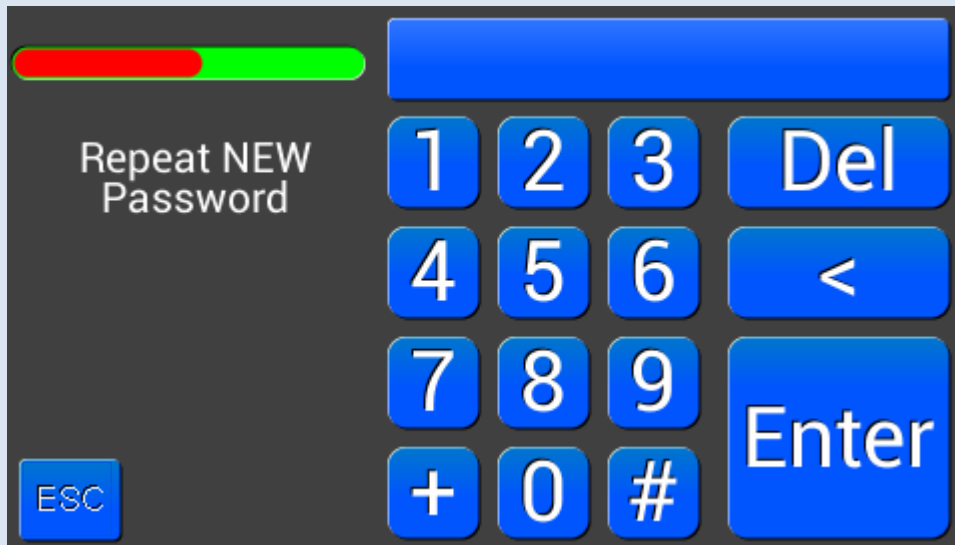




## Slide: Password



Key to set up the new password



## Slide: Language

Key to choose the language





Slide: just after the C6 EVO TX activation by the mare





## Slide: Supplementary Functions

Count down timer for the alert of the lack of the 220 Volt network that you'll receive on the phone numbers listed and activated in the slide phone numbers. The timer starts from 1 hour so 3.600 seconds.



Alert in the event the power supply is not connected. From that moment on the STBY mode, of the receiver, will start.



## Slide: Low Battery

**LOW BATTERY**

**CONNECT TO AC ADAPTER**

Alert in case the inside backup battery is too low to run properly the entire system. **The autonomy of the backup battery does not exceed the 12 hours in STBY condition.** Remember to leave the power supply always connected.



## Slide: Insert the PIN of the SIM

Insert  
PIN

In case your SIM card need to be activate, insert the pin number, then the system doesn't ask you anymore.

In case you enter the wrong number remember that you have just three attempts and it then will be blocked.

To unblock the SIM use the PUK code.

Incorrect PIN  
attempts left 2

Extract SIM and  
Unblock With PUK



## Slide: absence of GSM signal

GSM OFF  
No SIM

No SIM card in the  
C6 EVO RX

GSM OFF  
Please control

Contact the SIM  
mobile company





## Warnings

**N.B. this C6 EVO Foaling Alarm System unit needs the careful attention of a qualified staff that has the competence to set it up at delivery and also for a daily check of the entire C6 EVO Foaling Alarm System.**

**The company manufacturer, SISTECK, does not assume responsibility for damages to persons, animals or things deriving from eventual, non compliance, malfunctioning or breakdown of the product.**

**Is totally forbidden use the product in different situations not expressively wrote on the present user manual.**

**Please read carefully the user manual before starting to use the product.**

Remember that when you activate an alarm removing the magnet from the C6 EVO TX, you must be in the proximity of C6 EVO RX and obviously that it's turned on.

After each trial re-insert the magnet in its groove in order to re-set the initial condition.

With aim to keep the backup battery of the C6 EVO RX in a good state it's advisable to connect the power supply once every 3 months also during the non use periods ( just put it on the 220V network).

For a greater reliability it is advised to execute maintenance of this product periodically.

### **C6 EVO BASE (RECEIVER)**

The Receiver must be keep in dry conditions, away also from moisture fitting away from big stone walls and iron too.

Collocate the Receiver in the middle of the area that you intend to monitoring

The inside battery will be on charge only when the plug is inserted in to the 220/110 V network and with the receiver in ON otherwise it will not in charge.

The inside backup battery must be substituted only by the producer or by authorized center and we advice to check it every 2-3 years

### **C6 EVO TRANSMITTER**

The transmitter contain an electronic circuit with battery so keep attention to hit and fall that can cause rupture.

We advice also to try all your material when received in order to verify if everithing is ok.

Keep the transmitter away from any magnet field and well guarded on it's case.

Maintain it clean after any use and whash only with neutral soap and warm water with soft thooth brush then dry carefully. The inside battery must be substituted only by the producer or by authorized center



C6 EVO

Foaling Alarm System

# C6 EVO User Manual produced by **SistekK**

[www.sistek.com](http://www.sistek.com)

## Warnings

The content of this documentation is continuously checked and adapted if necessary. However, differences cannot be ruled out. No guarantee of completeness can be given. The updated version can be called up on the Internet on the website [www.folingalarm.net](http://www.folingalarm.net) after registration. Do not drop the device or battery. If the device or battery is subjected to impact, especially against hard surfaces, it can be damaged. Do not allow children or pets to bring the device and its accessories to their mouths and bite them. Do not use the device if its use is prohibited. Do not use the device if this involves danger or risk of interference with other electronic devices and Interference with medical equipment • Follow the provisions and rules established by the hospital and health facilities. Do not use the device when this is prohibited. • Some wireless devices may impair the operation of appliances hearing aids and pacemakers. Consult the operator for more information. • Pacemaker manufacturers recommend that a minimum distance of 15 cm be maintained between the device and the pacemaker to avoid interference. Do not expose your device or its accessories to extreme heat or cold conditions. Conditions of this type can interfere with proper operation and cause a fire or explosion Do not use detergents, powders or other chemicals (such as alcohol and benzene) to clean the device or accessories. These substances can cause damage to the elements or even expose you to a risk of fire. For cleaning the device and accessories use a clean, soft cloth.

Warranty and liability claims are excluded in the event of damage of any kind if they are attributable to one or some of the following causes: • damage due to transport, • improper use of the product or not in accordance with its intended purpose, • use of the product in an unforeseen environment, • use of the product without taking into account the relevant legal safety regulations at the place of use, • failure to observe the warning and safety instructions contained in all essential documentation for the product, • use of the product in incorrect safety and protection conditions, • arbitrary modification or repair of the product and the software supplied, • incorrect operation of the product due to the action of devices that generate radio frequency disturbances, electrical disturbances or in any case outside the limit values allowed by law, • incorrect operation due to the telephone operator used or in any case attributable to problems due to the lack of connection, even temporary (for example Credit depletion of SIM credit, or always for example telephone cell of the operator saturated), • malfunction due to the WiFi connection generated by the customer's Access Point incorrect or missing or with a weak signal, • Poor or no maintenance both to the Base product (C6 EVO) and to the transmitters, in particular the latter must necessarily be checked and tested DAILY, a visual check must be made and immediately replaced if there are elements that indicate wear, degradation, wear, cracks or signs on the casing (including the magnet cylinder) that could compromise proper functioning at the time of delivery. that is. when they are subject to greater stress.



## Warnings

**The C6 EVO product and its accessories are carefully checked and scrupulously tested before being put on the market. However, the correct functioning of the whole system (from generation of the alarm to telephone notifications) also occurs with the use of technologies that are not dependent on the system itself, whose malfunction cannot be foreseen, although these cases are very rare, should they occur, they cannot guarantee 100% reliability of the system and therefore replacing the "presence of a man"**



## Warranty

Dear customer,  
thanks for choosing our product, we take this opportunity in order to inform You that the C6 EVO Foaling Alarm System has been subjected to the most scrupulous functionality tests in our laboratories.

C6 EVO RX is guaranteed for a period of 24 months with exclusion of the inner backup battery.

The warranty is not valid in case of manumission, wrong installation, for inobservances of the present instructions or for external causes not due to the product (example: lightning's , fires, flooding etc.)

Expenses and the risks from and for the technical attendance or SistekK, are on charge to the customer.

C6 EVO TX , is a delicate product trauma or improper use, can lead to the batteries, (example to be run down left with magnetic cylinder detached, without C6 EVO RX receiver turn it on in the proximity, for some hour), these cannot be included in the warranty.

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