Quickstart - redKnows SBX-3 Mini Tracker

1. Insert the SIM card, according to the picture to the right.

Check before inserting:
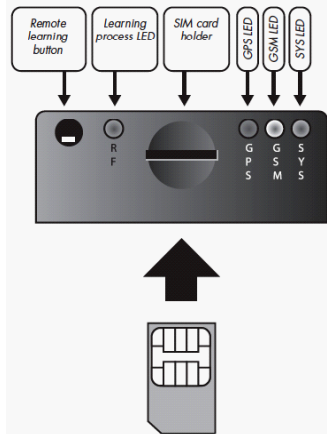
a. SIM card must be active (some GSM providers insist that the SIM card is registered before use).
b. That you have credits on your prepaid phone card
c. That the PIN code is inactive and that no voice mail is activated (check by inserting the card into a mobile phone) Check with your GSM provider if you are not sure.
d. Caller ID support (verify that the telephone number of incoming calls are displayed by inserting the SIM card into a mobile phone)
e. Check that you inserted the SIM card the right way up (see the picture above)
f. The unit must be turned off before you insert the SIM card (there should be no connection to ground, and no connection between the two black cables). This is also what you should do if you want to disengage the alarm during a longer period – make sure there is no connection to ground or between the two black cables.

Take your time while following the instructions below. Should it take too long between each step the alarm will go into its "sleep mode". Wake it up again, simply by pressing the unlock-button on the remote control. When pressing the unlock-button, the RF LED should be turned on. This means the remote control has contact with the SBX-3. If this doesn't work, see SBX-3 operating manual.

2. Connect the SBX-3 as shown in the diagram on the next page. The red cable is connected to (+) and the two black cables to ground (-). If the grey cable is not being used, connect it to ground (-). Make sure you have good GPS - & GSM reception.

3. Now the SBX-3 unit will read the SIM card. The red GPS LED is on and the green SYS LED is flashing.

4. Press the T button four times on the remote control, and then the SOS button once. The SIM card is initialized with the basic settings (SETUP code and phone book entries). The red GPS LED is flashing, and the green SYS LED is on.

5. Wait until both the yellow GSM LED and the green SYS LED are flashing. The red GPS LED should be on, steady or flashing, depending on whether it has established contact with the GPS satellites. In other words, all LEDs are flashing when the system is activated! (You don't have to wait for the red LED to start flashing before you go to step 6.) **Note!** The red GPS LED should have started to flash within 60 minutes from activating the alarm.

6. Now it is time to enter www.redknows.com and specify the phone numbers that should receive SMS from the SBX-3, and which number that should receive status SMS or listen through the microphone.

Click on "EZStart redKnows" in the menu and create a personal account by entering an e-mail address as your user name and a password. If needed, change language in the menu at the upper right. The account you create is personal. Save you user name and password!
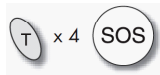
a. Click on flap 2, Personal info, and enter your personal information. Don't forget to save! (Click on SAVE) At the bottom of the page is the button "Generate Document", you click on when you want to print out a document to send to your insurance company (in case they will give you a discount for installing a GPS alarm & tracking system).

b. Continue to flap 3, Checklist and do the check stated before you continue with the next step.

c. Basic Setup, flap 4. Enter the mobile phone number (SIM-card number) for the SBX-3 and the mobile number for alarm receiver 1 (e.g your own mobile phone). Don't forget to save before continuing to the next step! (click on SAVE)

d. Flap 5, Advanced settings. Under advanced settings you can choose to enter mobile numbers to other alarm receivers. At the bottom of the page you enter the settings for the Geofence alarm. We recommend to set the Geofence at 0,08. Don't forget to click on SAVE.

e. Continue to Send, flap 6. By clicking on the Send button one or two SMS will be created, depending on the amount of information in the message. If two SMS are being created, you will have to click on send once more after a couple of minutes. The information is sent to your SBX-3.

redKnows

Check list

Note! If need to make changes later on in your settings (mobile numbers or personal info), you should ALWAYS click Save on the page where you have made your changes. After that, go to flap 6 (Send), click on Clear History and after that on the Send button.

7. Now the SBX-3 is ready to use. Call the SBX-3 from your mobile phone number defined in EZStart. The SBX-3 will deny the call resulting in a busy tone or an error message from the operator. You will receive an SMS with position and status information within a minute.

8. Use your remote control to activate or deactivate the alarm. For more information – see operating manual.

The siren beeps three times when you activate the alarm with the remote control.
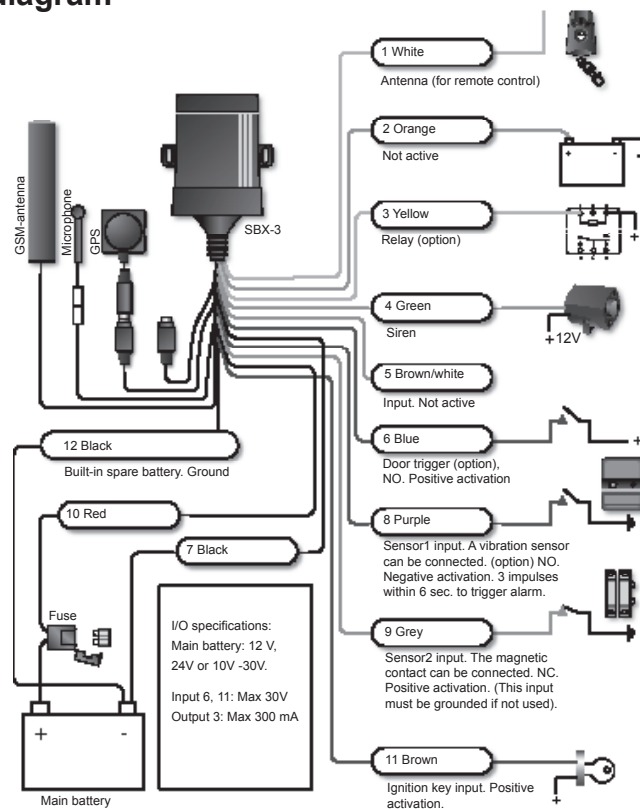This warns you the alarm cannot be activated, since one of the sensor input is active.

No SMS is received when you call your SBX-3
- Check GSM reception in area
- Call again
- Check placement of GSM antenna
- Check/re-enter settings on website
- Is pincode on SIM-card removed?
- Caller ID-support must be active
- Is voice mail disconnected (some operators must do it for you)
- GPS reception. Is red GPS LED flashing? Place antenna as freely as possible. Test!

NOTE! The same mobile phone number cannot be used for both status SMS and for listening to the microphone. Two different numbers must be used.

Circuit diagram

- 1 White — Antenna (for remote control)
- 2 Orange — Not active
- 3 Yellow — Relay (option)
- 4 Green — Siren — +12V
- 5 Brown/white — Input. Not active
- 6 Blue — Door trigger (option), NO. Positive activation
- 8 Purple — Sensor1 input. A vibration sensor can be connected. (option) NO. Negative activation. 3 impulses within 6 sec. to trigger alarm.
- 9 Grey — Sensor2 input. The magnetic contact can be connected. NC. Positive activation. (This input must be grounded if not used).
- 11 Brown — Ignition key input. Positive activation.
- 12 Black — Built-in spare battery. Ground
- 10 Red
- 7 Black
- Fuse
- Main battery

GSM-antenna, Microphone, GPS, SBX-3

I/O specifications:
Main battery: 12 V, 24V or 10V -30V.

Input 6, 11: Max 30V
Output 3: Max 300 mA

redKnows