



SKYBRAKE TOUCH

User manual - version 1.0



TABLE OF CONTENTS

PRODUCT WARRANTY	3
SYSTEM COMPONENTS	3
Keypad module.....	3
Passive arming.....	3
Replacement battery.....	3
STARTING YOUR VEHICLE	4
Using the keypad PIN code.....	4
Using Personal Transceiver.....	4
PIN CODES	4
Code definitions.....	4
Additional users chart.....	5
CHANGING PIN CODES	5
Re-setting the Master PIN code from the Factory default “0000” PIN code.....	5
Changing the Master PIN code.....	5
Adding an additional user PIN code.....	5
Change the user PIN code.....	6
Deleting a user PIN code.....	6
Forgotten passwords.....	6
PIN code card.....	6
Enter the Overriding PIN code.....	6
SYSTEM STATUS INDICATION	6
FAULT FINDING CHART	7
TECHNICAL PARAMETERS	8
Keypad module.....	8
Blocking module.....	8
Personal Transceiver.....	8

ATTENTION!!!

Installation of this security product is additional protection for your vehicle, but it does not protect your vehicle from all possible thefts.

PRODUCT WARRANTY

The warranty for the Skybrake TOUCH is 24 months from the date of installation. The warranty is valid in the event that the installed system does not work due to the fault of the manufacturer or the materials used.

The warranty is not valid in the event that the product has suffered mechanical damage or if it has been incorrectly installed or used.

The guarantee does not apply to the CR2430 power source.

SYSTEM COMPONENTS

The Skybrake TOUCH security system is a unique, modular wireless protection system. This provides the highest security level to protect your vehicle from unauthorized use. With the use of a keypad PIN code or wireless Personal Transceiver (optional), it is very easy to identify the driver and allow the vehicle engine to start.

The security system consists of the following elements:

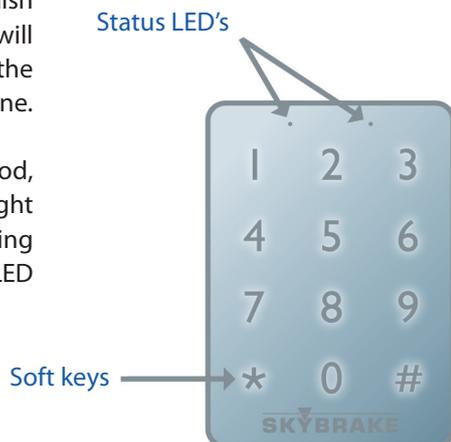
- Keypad module
- Personal Transceiver (optional)
- Blocking module
- Plastic PIN code card, (For use when the PIN code has been lost or forgotten)

Keypad module

Using the keypad module, the driver can enter his own PIN code followed by the # button, to provide authorisation for the blocking module to disarm.

There are two LED status lights, twelve soft key buttons and an internal buzzer. By turning the ignition on, the backlit keypad will become live, and the red LED will illuminate. By entering any of the stored authorisation codes correctly followed by the # button, the red LED will extinguish and the green LED will illuminate, allowing the user to start the engine.

After a short period, the keypad backlight will dissipate leaving just the green LED status light on.



Passive arming

If the ignition is switched off for less than 4 minutes (approx), there is no requirement to re-enter an authorisation code, this is for your convenience. If the ignition has been switched off for more than 4 minutes (approx), the system will re-arm itself, thus requiring an authorisation code or Personal Transceiver.

Personal Transceiver

ATTENTION!!!

Personal Transceiver is not included in standard Skybrake TOUCH set and can be purchased separately. Please ask your local Skybrake dealer.

Personal Transceiver is a wireless battery powered driver identification tag, which informs the security system about the presence of the driver. It's designed to be alternative device to unblock security system and start your vehicle without using keypad PIN code.

ATTENTION!!!

Do not leave the Personal Transceiver inside the vehicles or in a 5 meter range, whilst the vehicle is not attended. This device overrides your security, and should therefore be kept on your person at all times.

NOTE:

Personal Transceiver operates within a 5 metre range, it transmits a signal every 10 seconds. Therefore once the ignition is switched on, it may take up to 10 seconds for the Green keypad LED to illuminate and for the engine to be started.

The Personal Transceiver consists of following parts:

1. Enclosure (part1)
2. Enclosure (part2)
3. Electronic board
4. Battery



REPLACEMENT BATTERY

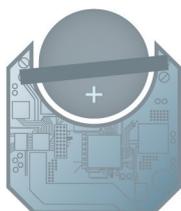
The battery will last for approximately one year, if the Personal Transceiver stops working or works intermittently, please replace the battery first.

To replace the battery: Separate the enclosures marked 1 & 2, slide the battery out of the unit and replace with a new fully charged CR2430 (Li-Mn 3V) battery.

NOTE:

Please ensure the positive plus sign on the battery matches the positive plus sign on the battery holder.

With the battery correctly inserted the red LED on the printed circuit board will flash once. Carefully place the combined circuit board and battery into enclosure 1, and snap enclosure 2 into place.

**STARTING YOUR VEHICLE****Using the keypad PIN code**

To disarm the security system, the correct PIN code must be entered.

To enter the PIN code, proceed as follows:

1. Turn ON the vehicle's ignition, the keypad backlight and red LED will illuminate.
2. Enter your PIN code, the keypad will give a confirmation beep each time a button is pressed.
3. Confirm entered PIN code by pushing the # button.
4. If successful the keypad will double beep, the red LED will turn OFF, and the green LED will turn ON.
5. The security system is now disarmed – The keypad backlight will go out and the green conformation LED will remain on.
6. If the incorrect code has been entered, the keypad will emit one long beep. In this instance, switch off the ignition and go back to step 1.

NOTE:

Once the keypad has accepted a correct code entry, it will stay in this state and will remain so until the ignition is switched OFF.

The PIN code must be entered each time the ignition is switched on, except when the ignition has been switched OFF for less than 4 minutes approx. (read section [passive arming](#)).

Using Personal Transceiver

It is possible to disarm the system using Personal Transceiver, proceed as follows:

1. With the Personal Transceiver within a 5 metre range of the vehicle.
2. Turn ON the ignition and wait until a double beep will sound, the keypad red LED will turn OFF, and the green LED will turn ON. (Normally This could take up to 10 seconds)
3. The system is disarmed, now you can start the engine.

ATTENTION!!!

Do not leave the Personal Transceiver inside the vehicles or in a 5 metre range, whilst the vehicle is not attended. This device

overrides your security, and should therefore be kept at home in a safe place or on your person at all times.

NOTE!!!

The signal from the Personal Transceiver is transmitted once per 10 seconds. If you are in an area with a lot of digital transmissions, the communication between Personal Transceiver and other security system's components may take longer.

PIN CODES

PIN codes: The Skybrake TOUCH keypad can store up to 5 User codes and one Master code, the Master code is used to add and delete your five user codes. Therefore a secondary user should be given one of the five possible User codes, which they can not modify add or delete other codes with. Only the Master code can do this, in the event of a Master code being lost or forgotten, please refer to the PIN code card also supplied with this system.

All PIN codes can be 4 to 8 digits long; the PIN code entry is confirmed with the # key.

Example:

Factory default is "0000" then press the # to confirm, you will hear two short beeps and the green LED light will illuminate. If the incorrect code has been entered the keypad will emit one long beep, the keypad will then lock out. In this instance, please switch the ignition off and then back on again, this will reset the keypad ready for a correct code to be entered.

ATTENTION!!!

Factory default code should be changed at time of installation, please refer to master code setting later in this manual.

CODE DEFINITIONS**Master PIN code:**

The Skybrake TOUCH keypad comes supplied with a factory default PIN code of "0000". It is important to change this to a new 4 to 8 digit unique Master PIN code that only the owner should know. The Master PIN code is used to add and delete up to 5 additional user codes.

User PIN code:

With the use of the Master PIN code, an additional five access codes can be added for non owner driver authorisation. Any of these can be deleted or changed at any time. A user code does not have access to add or delete any authorisation codes.

Override PIN code:

In the event of the Master PIN code being lost or forgotten, the unique 8 digit Override code should be used to reset the security system. After the Override code has been entered, the security system will delete all PIN codes from memory, and the Master PIN code will be reset to the factory default code of "0000".

NOTE:

The Override code can be found on the PIN code card, by scratching off protection layer (see PIN code card).

ADDITIONAL USERS CHART

If more than one user has access to this vehicle, additional PIN codes can be stored. A total of five additional user PIN codes (except master PIN code) can be stored in the system's memory (see table).

Keypad memory slot	User	Customer codes
0	Master PIN code	
1	PIN code for User1	
2	PIN code for User2	
3	PIN code for User3	
4	PIN code for User4	
5	PIN code for User5	

CHANGING PIN CODES

Re-setting the Master PIN code from the Factory default '0000' PIN code

In order to change the Factory default PIN code, proceed as follows:

1. Turn ON the vehicle's ignition, the keypad backlight and red LED will illuminate.
2. Enter the Factory PIN code "0000", and then press # to confirm it. If the factory PIN code has been entered correctly, the system will give two short beeps, and the green LED light illuminates.
3. Within 5 seconds, press and hold # and * buttons together, the keypad emits two short beeps.
4. Enter the new PIN code (4 to 8 digits) and press # to confirm it.
5. Repeat the new PIN code and press # to confirm it.
6. Enter "0" and press # to confirm it. ("0" is the default memory location for the master code)

NOTE!!!

If you make a mistake whilst entering the PIN code, turn the ignition OFF and start again from step1.

If all of the above steps have been followed correctly, the keypad will emit two short beeps to confirm the new Master PIN code, turn off then back on the ignition to test new Master code.

From this moment on, this code is known as the Master PIN code. Only the Master PIN code has master access level, it can be used to manage and disarm the security system.

Changing the Master PIN code

If it is necessary to change the Master PIN code, follow the instructions for "Changing the Factory default PIN code" above, substituting the factory '0000' PIN for the current Master PIN code.

If the Master PIN code has been lost or forgotten, then follow the instructions for "Enter the Overriding PIN code" further on in this section.

Adding an additional user PIN code

Up to five additional PIN codes can be stored in the Skybrake TOUCH keypad. In order to add a new user PIN code, proceed as follows:

1. Turn the ignition ON
2. Enter existing Master PIN code, and then press # to confirm it. If the Master PIN code has been entered correctly, the keypad will emit two short beeps.
3. Within 5 seconds, press and hold # and * buttons together, the keypad emits two short beeps.
4. Enter the new user PIN code (4 to 8 digits), then press # to confirm it.
5. Repeat the new user PIN code, and then press # to confirm it.
6. Enter the keypad memory location number 1 to 5 for this new PIN code, (i.e. this can be number 1 or 2 or 3 or 4 or 5 see PIN code location chart below) and then press # to confirm it. If all steps are completed correctly, the keypad will give two short beeps.

From this moment on, the new user PIN code is stored in the memory. This process can be repeated adding a further 4 more user pin codes.

NOTE:

The location of each user code should be recorded in the above table, stored codes can be over written. 1 to 5 in the box above is the memory location for each stored user code.

Change the user PIN code

In order to change user PIN code, proceed as follows:

1. Turn the ignition ON
2. Enter existing Master PIN code, and then press # to confirm it. If the Master PIN code has been entered correctly, the keypad will emit two short beeps.
3. Within 5 seconds, press and hold # and * buttons together, the keypad emits two short beeps.
4. Enter the new user PIN code (4 to 8 digits), then press # to confirm it.
5. Repeat the new user PIN code, and then press # to confirm it.
6. Enter the number of the default memory (see Additional users chart) for the PIN code you want to change, then press # to confirm it. If all steps are completed correctly, the system will give two short beeps. ******From this moment the user PIN code is changed******

Deleting a user PIN code

In order to delete a user PIN code, proceed as follows:

1. Turn the ignition ON
2. Enter existing Master PIN code, and then press # to confirm it. If the Master PIN code has been entered correctly, the keypad will emit two short beeps.
3. Within 5 seconds, press and hold # and * buttons together, the keypad emits two short beeps.
4. Enter 0000, and then press # to confirm it.
5. Enter 0000 again, and then press # to confirm it.
6. Enter the number of the default memory (see Additional users) for PIN code you want to delete, and then press # to confirm it. If the all steps have been done correctly, the system will give two short beeps. ******From this moment the user PIN code has been deleted******

Forgotten passwords

If the Master code and or any of the user codes are forgotten, the keypad memory can be reset back to factory default. This will delete all stored user codes and set the Master code back to "0000".

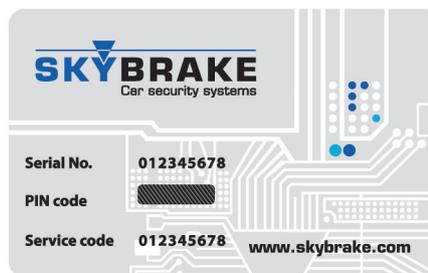
Please follow the instructions below in the PIN code card section.

PIN code card

This card contains the serial number of your system and a unique 8 digit override PIN code.

If entered will restore the keypad memory back to factory settings. This means that all User codes will be deleted and the Master code will be reset to "0000".

If for any reason the keypad Master PIN code has been lost or forgotten, the eight digit master override code can be found on the PIN code card, by scratching off the protection layer.



Enter the Overriding PIN code

Note: The overriding PIN code will be found on the PIN code card supplied. (See code definitions).

WARNING!!!

After the Overriding code has been entered, the security system will delete all stored PIN codes from memory, and the factory PIN code "0000" will be re-set (see Factory PIN code).

To enter the Overriding PIN code:

1. Turn ON the vehicle's ignition, wait until the red LED on the keypad illuminates and you hear one short beep sound.
2. Press and hold the button * for 5 seconds, the system will give you one short beep.
3. Enter your 8 digit Overriding PIN code. **Press # to confirm.**
4. If the correct PIN code has been entered, you will hear 6 short beeps, the red LED will stay on. The security system is now set to factory default settings.
5. Turn off and then back on the ignition and enter "0000" to activate the system. A new Master PIN code should now be set (see Setting the Master PIN code from the Factory default "0000" PIN code from previous section).

SYSTEM STATUS INDICATION

It is possible to detect the system status, using the keypad LED's (see table):

Operation	Red LED	Green LED	Backlight
Ignition switched OFF	OFF	OFF	OFF
Ignition switched ON, PIN code not entered (system armed)	ON	OFF	ON for 30 seconds, then OFF
Ignition switched ON, Master PIN code entered (system disarmed)	OFF	ON	ON for 5 seconds, then OFF
Ignition switched ON, user PIN code entered (system disarmed)	OFF	ON	OFF

Also there are sound notifications used to show the security system status (see table):

Operation	Sound signal
System ready (after ignition switched ON)	1 short beep
Pressing any soft key	1 short beep
Confirming correct PIN code	2 short beeps
Confirming incorrect PIN code	1 long beep
Confirming correct Overriding PIN code	6 short beeps
Confirming incorrect Overriding PIN code	1 long beep
Low battery warning for Personal Transceiver	4 short beeps

FAULT FINDING CHART

Personal Transceiver not working

Is the Personal Transceiver within a 5 metre range.

Remove battery and wait five minutes, re-insert battery and check red LED on printed circuit board flashes once (refer to the Personal Transceiver Replacement Battery section)

Disassemble Personal Transceiver and replace battery

Keypad not accepting Master code

Is the correct code being entered

Is the code being confirmed by pressing the # button

Reset keypad memory back to factory settings using the PIN code card. (refer to PIN Code Card section)

Can not change Master code

Is the current Master code entered correctly

Has the * and # buttons been pressed together within 5 seconds

Is the code being confirmed by pressing the # button

Has the new Master code been entered correctly twice and confirmed

Is the correct memory location of "0" being used and confirmed by pressing the # button

Not able to add a User code

Has the * and # buttons been pressed together within 5 seconds

Is the Master code being entered first to confirm authority

Has the new User code been entered correctly twice and confirmed

Is the 1 to 5 memory location being entered and confirmed by pressing the # button

Not able to delete a User code

Is the Master code being entered first to confirm authority

Is the 1 to 5 memory location being entered and confirmed by pressing the # button

Reset keypad memory back to factory reset. This will delete all data and set the Master code to "0000". The Master code will need to be changed, and all User codes re-entered

Keypad Red LED not working

Is the ignition switched on

Is the Personal Transceiver within a 5 metre range

Refer to installation manual to diagnose wiring fault

Keypad module:

Parameter name	Value
Operating frequency	2,4 GHz
Operating range	~ 5 metres
Operating voltage	8-40 V
Current consumption	120 mA
Operating temperature	-40° ... +85°C
Dimensions	72x52x13 mm

Blocking module:

Parameter name	Value
Operating frequency	2,4 GHz
Operating range	~ 5 metres
Operating voltage	8-16 V
Current consumption	100 mA
Maximal load to blocking circuit	15A
Operating temperature	-40° ... +85°C
Dimensions	69x29x9 mm

Personal Transceiver:

Parameter name	Value
Operating frequency	2,4 GHz
Operating range	~ 5 metres
Battery type	CR2430
Battery life	12 months
Operating temperature	-30° ... +85°C
Dimensions	49x41x6 mm