

CONGRATULATIONS ON YOUR SMARTBRAKE WITH THUMB BRAKE!

Your SmartBrake consists of a brake unit with a thumb brake. If you have two brake units, you must activate, deactivate and charge both units separately. The brake units are synchronized and will perform as one during use. For two brake controllers, see appendix «... extra brake controls».

TURN ON YOUR SMART BRAKE SYSTEM

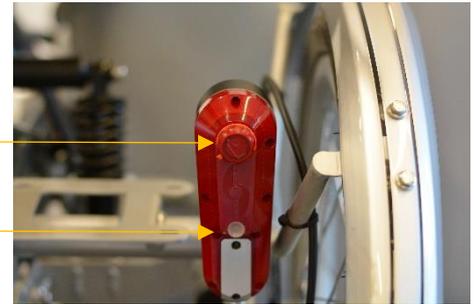
1. Press the activation button on the Smart Brake unit once. You will now hear the engine calibrating the system.

After calibration, the safety brake is activated and you are ready for step 2.

2. Awake the thumb brake from sleep mode by pressing the red lever once. The safety brake is now switched off and the bike will roll freely, if the lever is not held in. When the thumb brake is activated, the brake will also be activated and you will see the brake light as long as the lever is held in.

Charging gate with screw cap

Activation button



SMART BRAKE Unit

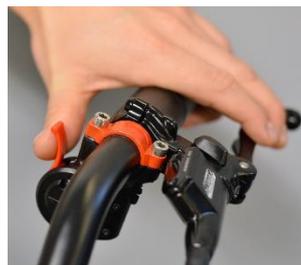
TURN OFF YOUR SMART BRAKE SYSTEM

SmartBrake is switched off by holding down the activation button for 5 seconds until you see a red light on the inside of the charging gate. Hold down the button until you see the red light and release. You will now hear the brake releases the pressure. If you do not remember to turn off your SmartBrake it is not a problem. The brake system will deactivate automatically after 30 minutes of inactivity, in a locked position. When you return to the bike, turn on the system again as described above.

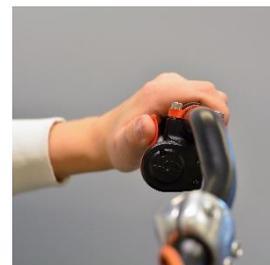
THUMB BRAKE IN USE

To activate parking brake: Perform four full braking sequences within a five second interval. To deactivate the brake, squeeze the lever once.

NOTE: If the thumb brake is outside signal range, the safety brake will be activated. When the control is within range again, it will automatically turn off the safety brake.



Fits with a brake lever



Thumb brake



On a ski pole

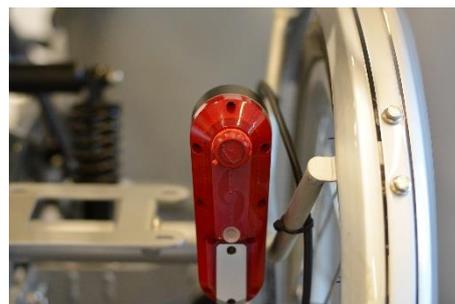
SAFETY BRAKE

SmartBrake has a built-in safety system on the brakes that is activated automatically in case the battery level is very low or the signal is broken.

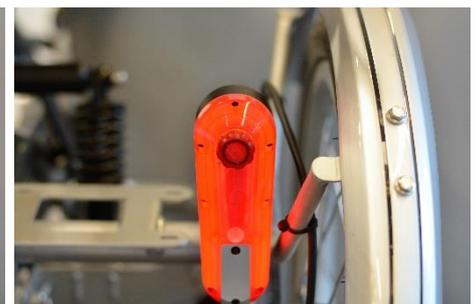
Low battery: Battery capacity below 15%.

Signal failure: The signal between the brake lever and the brake unit is

broken, either due to distance or interference. The range is about 30 meters.



Brake unit without brake light



Brake unit with brake light

UNLOCK THE WHEELS AFTER A SAFETY BRAKE

If the problem that activated the safety brake cannot be solved on the spot, the brake unit must be taken off. When the brake unit is switched off, the pressure on the brakes is released so that the wheels roll freely. **Please note that SmartBrake must be fixed in these cases before further use. In the meantime, use the vehicle's secondary braking system. MAINTENANCE**

SmartBrake requires maintenance charging to avoid that the battery is damaged if the products are left unused for long periods. If the battery is damaged, the battery will no longer be able to be charged. **Solution:**



Charge the batteries every two months. Then pull out the charging plug.

Cleaning: Maintain the products clean with a damp cloth.

CHARGING

It is important to create good charging routines! It is recommended to charge approximately after every fourth trip to make sure you always have enough battery. When charging, use the charger provided. A fully charged battery, when using a charger, is signaled by a green light after about 3 hours. The thumb brake uses a CR2032 battery.

MAINTENANCE

SmartBrake requires maintenance charging to avoid that the battery is damaged if the products are left unused for long periods. If the battery is damaged, the battery will no longer be able to be charged.

Solution: Charge the batteries every two months. Then pull out the charging plug.

Cleaning: Maintain the products clean with a damp cloth.



Turn counterclockwise to open the charging cover. Use the USB charger incl. in the kit

QUICK TROUBLESHOOTING

BRAKE UNIT		
Trouble	Possible Cause	Remedy
Flashing Brake Light and USB Light flashes red every ten seconds	Under 25% battery capacity	Charge whenever possible.
Flashing Brake Light every second and the USB light does not flash	Fail-Safe activated = Battery level at the Brake Unit is below 15%	Turn off the Brake Unit by holding the activation button for 5 seconds. This will open the brakes, but the remotes will not work as the system it turned off. Charge for 3.5 hours.
Flashing Brake Light and USB Light flashes yellow every second	Fail-Safe activated because of a Brake Remote has a battery level below 15%	Turn off the Brake Unit by holding the activation button for 5 seconds. This will open the brakes, but the remotes will not work as the system it turned off. Charge the remote for 2.5 hours.
Flashing Brake Light and USB Light flashes blue every second	<p>1. The control flashes when you clamp the lever.</p> <ul style="list-style-type: none"> - The brake lever lights up green/blue - The thumb brake illuminates green/red <p>2. Control is completely out of power</p> <ul style="list-style-type: none"> - The control does not light up when you squeeze the lever. 	<p>1.1. The control (s) has entered sleep mode. Trigger the control a few times.</p> <p>1.2. Make sure the control is within signal range. If YES, synchronize control with the brake unit.</p> <p>2. Charge control or replace the battery.</p>
Activation button at the Brake Unit does not work	The button might be stuck. When stuck there is no "click" sound when pushing it.	Try to push the button from different directions to see if it loosens
Nothing works, even if it has been in the charger and it lights up next to the charging plug when it is in.	Defective charger, battery, or circuit board	Try another charger and/or charging cable. If it does not work, the brake unit must be serviced.
THUMB BRAKE		
Trouble	Possible Cause	Remedy
A red flash every ten second	Battery level under 25%	Charge whenever possible.
A red flash every second	Fail-Safe activated = Battery level under 15%	Charge now
There are no functions or lightning signals	Drained battery	Change battery CR2032. Under the latch with three T8 screws.
Green flash while squeezing the lever	Lost contact with the Brake Unit	Set the Brake Unit in synchronization modus and connect the remote
Red and green light is lightning	Remote is in bootloader mode	Wait two minutes.

CONTACT: www.mysmartbrake.com / post@smartgroup.no / (+47) 64959444

DISCLAIMER

WARNING: If you use SMART BRAKE equipment, **it is your responsibility** to learn proper use of the equipment, and you accept all risks, including those of injury, paralysis and death. Our equipment is specially designed for bicycles, wheelchairs and rollerskis, has limitations and must not be used for other purposes. **Improper use or misuse increases the risks.**

ALWAYS MAKE SURE TO OPERATE 2 – TWO – SEPARATE BRAKE SYSTEMS ON YOUR VEHICLE. DO NEVER TRUST A SINGLE BRAKE SYSTEM TO PROVIDE SUFFICIENT SAFETY DURING USE! BOTH SYSTEMS MUST BE FUNCTIONAL AND TESTED PRIOR TO ANY USE!



WARNING! RISK OF DEATH AND SERIOUS INJURY

Whenever you use the SMART BRAKE products, you risk death or serious injury from loss of control, collisions, and falls. To use RollerSafe safely, you must read and follow **all instructions and warnings in the Product Documentation**. In addition, you shall for any activity and application have a **secondary brake system (electronic, mechanical, manual), ready to use**.



WARNING! USE HELMET / PROTECTION

Always wear a helmet when using roller skis, skateboards or bicycle. Use an approved helmet that fits properly with the chin strap in place, and provides protection for the back of your head.
Avoid obstacles and slippery surfaces that could result in a loss of balance or traction and cause a fall.



WARNING! PAY ATTENTION TO SYSTEM SIGNALS

Pay attention to all warnings and alerts from the SMART BRAKE products. They indicate unsafe operating conditions. You must learn about and understand the SMART BRAKE products safety alerts described in the Product Documentation and respond as instructed.

Never attempt to use a SMART BRAKE product without the **SMART BRAKE Technology properly installed, charged and updated**. Using your SMART BRAKE products without all parts properly installed could damage your SMART BRAKE products and result in serious injury from loss of control, collisions, and falls. Apply good judgement in all use of SMART BRAKE products.

Do not modify the SMART BRAKE products. Modifications to the SMART BRAKE products without the prior written approval could interfere with the operations of the SMART BRAKE products, **could result in serious injury and/or damage, and could void the SMART BRAKE Limited Warranty**.

Learning to use your SMART BRAKE products

- 1) Follow all the instructions and warnings in the User Manual, and supplementary Instruction Videos (www.mysmartbrake.com)
- 2) Make sure the SMART BRAKE products are fully charged and functional, prior to your trip
- 3) Before each trip; Make sure your secondary brake system is functional and ready to use in any situation
- 4) Start slow, learn to operate the SMART BRAKE in safe locations at low speed
- 5) If any safety alert or irregularity occurs, stop use of SMART BRAKE immediately

Learn more / contact info

Product docs and demo videos:
www.mysmartbrake.com

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