



SMSK User Manual

See web pages in: <https://support.scorchedice.ca/>

(this content is also available in French on the web site)

Setup Guide

1. Introduction

Scorched Ice sensors are wearable performance trackers built specifically for hockey. Designed to capture real-time skating metrics, such as speed, acceleration, edgework, and distance, they provide actionable data to improve on-ice performance. Data is uploaded to the Scorched Ice cloud for analysis.

2. What's in the Box

- 2x Scorched Ice Skate Sensors
- 1x Magnetic USB Charging Cable
- 1x Instruction Card with QR code
- Access to the Scorched Ice App (iOS only)

Note the two sensors are identical from a hardware point of view. However the units have labels identifying the left and right units for the software application.

3. Charging the Sensors

How to Charge:

1. Plug the USB end of the cable into a power source.
2. Align the magnetic end with the metal circle on top of each sensor.
(Note: If you feel resistance, flip the charger 180 degrees.)
3. The sensor will blink green and yellow to confirm charging.

Charging time: Approximately 30 minutes

Troubleshooting tip: If no light appears after 5 minutes, unplug and reattach the charger carefully to align the magnets.

4. Placing the Sensors

Attach the small hooks to the laces of your skates so that the sensor sits flat beneath the boot, with the blue button and the light facing down towards the ice.

Orientation:

1. The letters (L or R) face forward.
2. The 5-digit sensor number faces backward.
3. The button and light face downward toward the ice.

Do: Dry the sensors after use. Charge them after every session.

Don't: Store them wet. Leave them attached to skates in your bag.

5. Connecting to the App

1. Download the Scorched Ice app from the App Store.
2. Enable Bluetooth and WiFi on your device.
3. Turn on your sensors by holding the button for 5 seconds until the light flashes.
4. Open the app and log in.
5. Tap the skate icon labeled "Play", then tap "Connect".
6. Select your sensors using the matching 5-digit number printed on them.

7. When prompted, tap “Connect to the internet” and choose your WiFi network.
8. Enter the password and wait for confirmation.

Note:

- Bluetooth connects your phone to the sensors.
- WiFi is required to upload data to the Scorched Ice cloud.
- Users under 13 will be asked for a parent’s email for consent.

6. Recording a Session

To Start:

- After sensors are connected and WiFi is active, tap “Start Session” in the app.
- The session will begin recording skating data in real time.

To End:

- Tap “End Session” in the app.

If your phone is far away, end the session by pressing the blue button 4 times.

7. Uploading and Viewing Data

- Once the session ends and your device is connected to WiFi, upload your data via the app.
- Wait until the upload confirmation appears.
- You will be notified once your session has been processed and metrics are available
- Turn sensors off by pressing the button 4 times

8. Maintenance and Care

- Wipe down sensors after each use.
- Do not charge them while wet.
- Store in a dry, safe place.
- Charge fully after each session.
- Keep the charging cable clean and aligned.
- Follow prompts in the app for firmware updates when available.

Frequently Asked Questions

Where do I get the app?

Right now – our app only works on the Apple iPhone and iPad. You can download our app on the Apple App store.

Is the app available on Android?

At this time our App only works on iOS devices – however we plan to release an Android version soon. Sign up for our newsletter [here](#) to find out when the Android version will be launched

How do I pair my app and sensors?

It's best to follow the instructions in the app, here is a summary you can also follow.

First, make sure Bluetooth is on in your phone settings. If you are not sure if bluetooth is on – or not sure how to do this – please consult this guide on Apple's support site. Next, turn on your sensors and open the app. Once you login to the app click the skate icon with the word "Play" beneath it, then press the blue "Connect" button. The app will scan for your sensors,

press the blue button with the 5 digit code that corresponds to your sensor number.

Where is the set number that I need to enter?

The sensor set number can be found on the bottom of each sensor.

Do I need both a WiFi and Bluetooth connection?

Yes, the Bluetooth connects the Sensors to your phone so it can act as a remote control for the Sensors. The WiFi connection is required because the data from your Sensors is sent to the Cloud so that the Scorched Ice AI powered algorithms can analyze your skating.

How do I connect to WiFi?

After your Skate Sensors are paired with the app you will be prompted to connect to a WiFi network. We recommend this is done at home and you connect to your home WiFi network. Click the blue "Connect to the internet" button. The app will scan for WiFi in the area. Select your network, and enter the password. The app will confirm when the WiFi connection has been made. If after three tries you cannot connect please email us at support@scorchedice.ca.

Why are you asking for my parent's email address?

If you are under 13 years old we require your parent's approval for you to use the product and be part of the Scorched Ice community.

The app won't let me stop the session, what do I do?

Turn off your Sensors by pressing the button 4 times. Close the app. Turn on the Sensors and reopen the app.

I am not at home, can I connect to another wifi network?

Yes, just connect to your sensors and click the "Connect to the internet" button. The app will scan for WiFi in the area, select your network, and enter the password. The app will confirm when the WiFi connection has been made. If after three tries you cannot connect please email us at support@scorchedice.ca.

Hardware

How do I charge my Sensor?

Plug the USB side of the charge cable into a charging block in an electrical outlet. Align the magnets on the charge cable with the magnet on each of the Sensors. If you are getting resistance, turn the magnet on the charge cable 180 degrees.

How do I know my Sensors are charging?

Your Sensors will start blinking green when they are charging. If no light comes on after 5 minutes of charging, unplug the sensors and reapply the charge cable focusing on aligning the magnet on the cable with the magnet on the top of the Sensor.

How long does it take to charge my Sensors?

Your Sensors will be fully charged 30 minutes after you plug them in.

How do I turn on my Sensors?

Press and hold the button for five seconds, release the button when you see the light start flashing.

My Sensors won't turn on?

Try charging your Sensors for another 30 minutes. Then hold the button for 5 seconds. If that does not work please contact support@scorchedice.ca

How to attach the Sensor to my skate?

Attach the small hooks to the laces of your skates so that the sensor sits flat beneath the boot, with the blue button and the light facing down towards the ice.

Do I need to dry the Sensors off?

It is recommended that after you get off the ice you dry the Sensors and make sure they are dry before you plug them in for charging.

Can I leave the Sensors on my skates in my bag?

It is recommended that you take your Sensors off, dry them, and plug them in to charge them.

My Sensors won't stop flashing?

Press the button 4 times and wait for 5 seconds without touching the Sensors. If that does not work please contact support@scorchedice.ca

Other Topics

Can more than one person use the same set of Sensors?

Unfortunately, in order to keep your data and skating analysis accurate and protected, each person requires their own set of sensors connected with their own Scorched Ice app.

I placed an order through the website, when will my Scorched Ice Sensor arrive?

You will receive a confirmation email with a tracking number. If you have not received one please contact support@scorchedice.ca

Is the product safety and RF certified?

Yes, the Scorched Ice sensors have the following certifications:

- Safety Certification UL in the United States – [Details](#)
- Safety Certification with CSA in Canada – [Details](#)
- RF Certification with FCC in the United States – [Details](#)
- RF Certification with IC in Canada – [Details](#)

RF Certification Information

Scorched Ice Inc

Model: SMSK V3.1

Made in Canada

FCC Certification Information:

Contains FCC ID: 2BU3E-SMSKV3

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by doing one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received,

including interference that may cause undesired operation. The RF energy exposure standard for a wireless transmitter employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. The highest SAR value for the EUT as reported to the FCC when worn on the body, as described in this user guide, is 0.232 W/kg.

IC Certification Information:

Contains: IC: 29581-SMSKV3

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Ce dispositif contient une licence qui autorise le (S) émetteur (S)/ récepteur (S) qui est (sont) autorisé (S) avec Innovation, La licence canadienne en matière de Science et de développement économique fait l'objet de deux conditions:

- (1) ce dispositif peut ne pas causer de gêne.
- (2) cet appareil doit accepter toute intrusion, y compris celle qui peut provoquer l'indésirabilité Fonctionnement de l'appareil,

The exposure standard for wireless transmitter employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the ISED is 1.6 W/kg. The highest SAR value for the EUT as reported to the ISED when worn on the body, as described in this user guide, is 0.232 W/kg.

La norme d'exposition pour l'émetteur sans fil utilise une unité de mesure connue sous le nom de taux d'absorption spécifique, ou SAR. La limite SAR fixée par l'IC est de 1,6 W / kg. La valeur SAR la plus élevée pour l'EUT signalée à l'IC lorsqu'elle est portée sur le corps, comme décrit dans ce guide de l'utilisateur, est de 0.232 W/kg.