Skiing is better with friends

...and so is Carv

www.getcarv.com/carv-with-friends

Let your friends know about Carv so you can get the most from your trip this year.

“ Welcome to Carv ”

User manual

Let's get Carving

User manual

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When you see a QR code like this one, you can scan it and open the link with your smartphone's camera app. This will allow you to quickly access the links in blue.

Take your skiing to the next level

Introduction

Hello and welcome to Carv.

We believe that everyone, no matter how good or experienced you are, wants to get better. If we can help you improve and give you that magical feeling of learning a new skill, then we have achieved our goal. And hopefully in the process, we'll also increase your love, enjoyment and respect for the mountains.

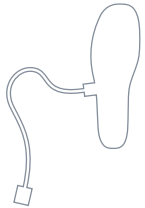
Carv uses pressure and motion sensing inserts in your ski boots to measure how you ski. It then gives you detailed analysis, feedback and coaching through the Carv app.

This manual will give you the basics to get you up and Carving in no time. If you have any questions or want more detailed guidance, please visit getcarv.com/support. where we have lots more information.

Jamie Grant, CEO

Bits and pieces

What's in the box



x2 Inserts

x2 Trackers

x2 Charging cables

x6 Cable secure tape

x6 Sticky tabs

First things first

Installation guide

To get started you'll need your Carv device, mobile phone and ski boots to hand. First, download the Carv app and get signed up.

If you don't have your ski boots with you, just skip the ski boot installation for now and start by exploring the app.

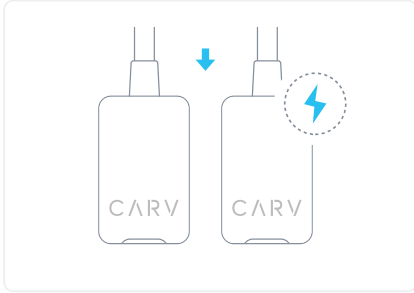
Download on the App Store

GET IT ON Google Play

www.getcarv.com/download

Installation video

We recommend you go to the link shown above to watch our step-by-step guided installation video.



Step 1 - Plug-in and charge the trackers

When charging, the Carv logo on each tracker lights up to indicate the following:

Red	=	Charging
Green	=	Charged
Red flashing	=	Charging issue*

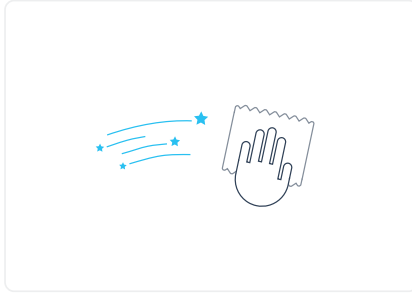
*Please try another charger - if it continues, please see getcarv.com/support for more information.

Step 2 - Remove ski boot liners

Make sure the buckles and power strap are open.

Hold the back of the shell with one hand and grab the back of the liner with the other.

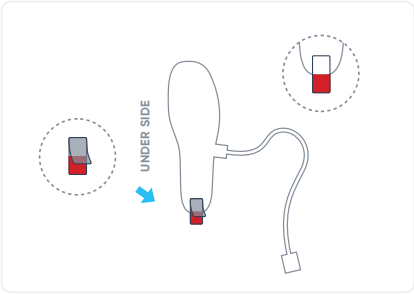
Push the top of liner toward the toe of the boot until it pops out of the shell. This can sometimes take some force!



Step 3 - Clean

Clean the area where the heel is positioned in the boot - we'll be sticking the Carv inserts down here so it's important the area is free from dirt.

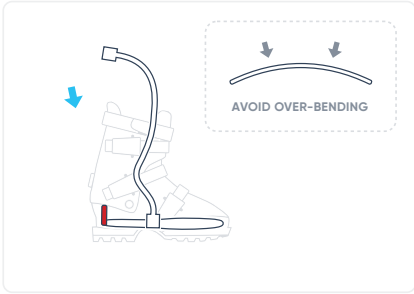
Allow the area to dry before proceeding.



Step 4 - Attach sticky tabs

Get the sticky tabs from the set-up box ⚙ and then remove one side of the semi-transparent backing and attach to the underneath heel of the Carv Inserts. Now remove the remaining backing from the tab so that the sticky side is exposed.

These tabs are used to prevent the Insert from moving around inside the boot. They're also useful for removing the Insert - pulling on the red tab unsticks the heel without causing excessive bending.

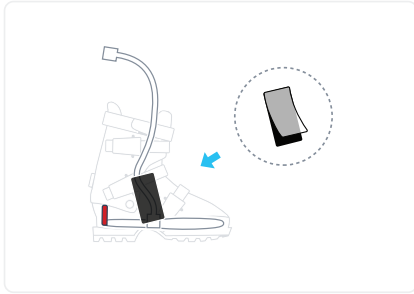


Step 5 - Place inserts in boot

Ensure a centred position and then apply pressure at the heel to fix in place.

While Carv inserts have some flex, avoid excessive bending. Over-bending will cause damage :(

If you struggle to get the insert to stick to the bottom of your boot because it is not flat for instance, use a piece of the black cable tape to hold it in place.



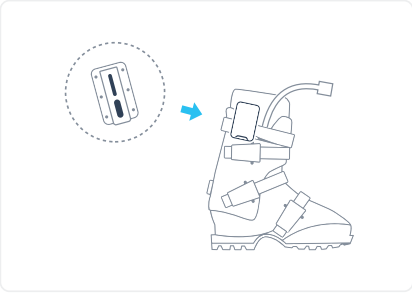
Step 6 - Secure cables

Attach the cables to the inside of the boot using the black cable secure tape, so that they don't get caught when replacing the boot liner. Regular duct tape works well too. If required, clean the boot before taping.

Try not to route over sharp objects or areas that may cause the cable to kink.

Step 7 - Replace ski boot liner

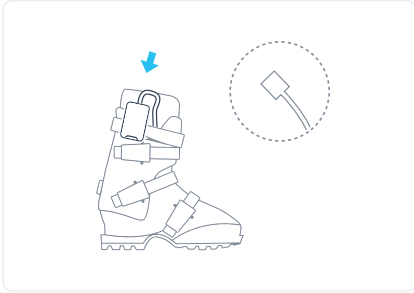
Put the ski boot liners back in while paying close attention not to snag the insert cable.



Step 8 - Attach trackers to boot

To complete set-up, unplug your trackers from the charging cables and attach the trackers to your power strap on the outside of your boot, squeezing the clip until it clicks and the tracker is held firmly in place.

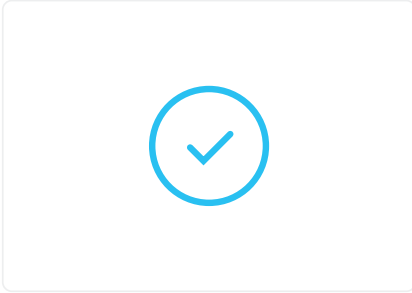
All ski boots are different, so see where on the boot works best for you. Try to avoid mounting on the rear of the boot where ski lifts have been known to damage trackers :(



Step 9 - Connect tracker

Plug the insert cables into the trackers. The trackers should quickly flash green. If they don't, try charging them or contact us on support getcarv.com/support.

Trackers don't have a left or right. They can be paired and re-connected to either insert.



Step 10 - Grab your phone!

Nice one, you're now ready to connect the Carv sensors to your phone.

Grab your phone

Connecting and setting up sensors

Step 1 - Open the sensor setup page

When you open the Carv app for the first time you will be prompted to start the sensor setup process. Click '**Carv setup**' to begin. You'll be able to access this from the Activity screen or later on from the More section.

Select '**Setup Left**' or '**Setup Right**', to choose which tracker to begin with.

Step 2 - Pair trackers with your phone

With the '**Tracker**' tab selected, hold your phone next to the appropriate tracker, and press '**Pair**'. **This may take 30 seconds to complete** – the phone will display '**Tracker connected**' when complete. You may have to update the tracker firmware at this point before you can continue.

When paired, you can press '**Identify**' to verify the tracker to which you're connected.

Step 3 - Calibrate motion

Because of the metal in your boots, the magnetometer sensor (a bit like a digital compass) needs to be calibrated before you ski. You should only need to do this once, though if we detect big pieces of metal nearby, we may ask you to repeat this.

This step is best explained by video – head to getcarv.com/setup-motion to see more.

To begin, select the '**Motion**' tab in the sensor setup page and press '**Calibrate motion**'. Then pick up your ski boot and rotate it back and forth while you turn in a circle.

When your phone 'dings', the motion calibration is complete.

Step 4 - Calibrate force

This step is a bit like zeroing a weighing scale before you use it. You will need to do this from time to time.

It is best completed when you are strapped into your boots, with your buckles tight, and you are on your way to the top of the slopes.

To begin, select the '**Force**' tab in the sensor setup page, lift your foot off the ground so that you are not applying any pressure, and press '**Calibrate Force**'.

When you hear a 'ding' from your phone, force calibration is complete.

The force will continue to calibrate while you ski to take into account any changes, such as tightening your buckles or changes in temperature for example. You can recalibrate motion and force at any time from the sensor setup page.

You're now ready to go skiing!

The boring stuff

Regulatory information

Caution: This marking indicates that the user should read all included documentation before use. Retain this supplement for future reference.

Caution: For use with model Carv X2 only. See battery instructions. No user-servicable parts.

Battery Recycling Information

Li-ion Li-ion

This product contains or uses a lithium-ion (Li-ion) main battery. When the battery reaches end of its useful life, the spent battery should be disposed of by a qualified recycler or hazardous materials handler. Do not mix this battery with the solid waste stream. Contact Motion Metrics Limited Service Center for recycling or disposal information.

Europe

Hereby, Motion Metrics Limited declares that the radio equipment type model Carv X2 is in compliance with Radio Equipment Directive 2014/53/EU. The full text of the declaration of conformity is available at the following internet address: getcarv.com/safety

United States

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.

Changes or modifications not approved by Motion Metrics Limited 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 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 does cause 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 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 meets the FCC requirements for RF exposure in public or uncontrolled environments.

FCC ID: **2AN6Z-CVX2**

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We’ve got you covered

Warranty information

We offer everyone 2 years warranty.

See full warranty details at:

getcarv.com/warranty

Want to know more?

Frequently asked questions

Head to our FAQs page where we’ve got loads more information:

getcarv.com/support

See you on the slopes!