



# USER MANUAL

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*ReconOS 4*

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# Safety Information

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## WARNING

**Pay attention to what you are doing.**

- Concentrating on the display while moving may distract you and cause injury or death to yourself or others.
- Always be aware of your surroundings, direction and speed.
- For winter alpine use only. Do not use product while driving, running, bike riding or walking on uneven surfaces or stairways.
- Do not enter information, place phone calls or send messages while skiing, riding or boarding.

## WARNING

**Not for children.**

- This product is not intended for use by children age 12 or under.

## WARNING

**Do not wear with glasses.  
Beware of eye strain.**

- This product is not designed to be worn with glasses. Doing so may result in serious injury including loss of sight, bodily injury or death.
- If you experience nausea or eye strain when using the product, take a break for several minutes. If these conditions remain, discontinue use and consult a doctor.

## WARNING

**This product uses Bluetooth technology to communicate and may cause interference with other equipment.**

- SWITCH OFF IN HOSPITALS AND AROUND MEDICAL DEVICES. Wireless devices can cause interference with medical equipment. Keep the product turned off around medical equipment. Follow any restrictions posted in hospitals and health centers. If you wear a pacemaker, check with your doctor and the manufacturer of your pacemaker before using.
- SWITCH OFF IN AIRCRAFT. Keep the product turned off around helicopters or aircraft. Follow any restrictions posted in helipads and airports.
- SWITCH OFF NEAR BLASTING. Keep the product turned off in areas where blasting is in progress.
- SWITCH OFF BEFORE REFUELING. Keep the product turned off at gas stations, refueling areas or in areas where fuel and volatile chemicals, such as propane, are stored.

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## Welcome

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The Recon Snow2 has been designed to enrich your alpine experience – it delivers crisp, widescreen graphics when you want them, and keeps them out-of-sight when you don't. Speed, vertical descent, jump airtime, navigation, and distance are all delivered using built-in precision GPS and an integrated suite of sensors.

The experience doesn't end on the hill. Access the Recon Engage website and connect your Snow2 to review and relive your trips. Here you can track, compare and socially share your alpine adventures.

## IN THE BOX

The following items are included in the box:

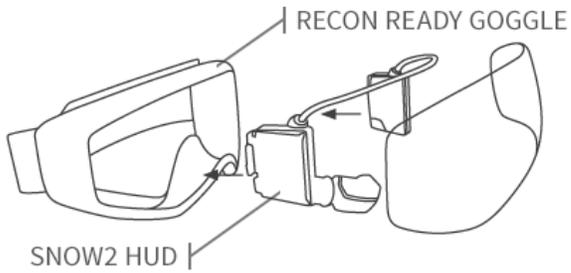


1. Snow2 Heads-up Display (HUD)
2. Remote
3. Remote Wrist Strap
4. Remote Goggle Strap
5. USB Cable

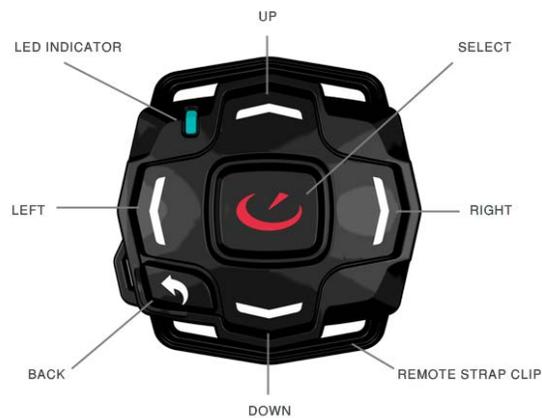
6. AC Adapter
7. UK Adapter
8. EU Adapter
9. US Adapter

## OVERVIEW

### Snow2



### Remote



## SYSTEM REQUIREMENTS

To use Snow2, you will need:

- Apple Mac OS X v10.8 or later, Microsoft Windows 7 or later.
- *Optional:* Android Smartphone Version 4.1 (or later) or Apple iPhone 4S running iOS 7 (or later).

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# SETUP

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## GET STARTED

Your Snow2 needs to be activated and registered before you use it up on the mountain. To get started, please follow the instructions below.

1. Create your Engage Account at [reconinstruments.com/getstarted](https://reconinstruments.com/getstarted) and follow the prompts to **Get Started** with your Snow2 HUD.
2. Once you've created your account, download and install the **Recon Uplink Desktop Application** on your computer in order to get the most up-to-date software for your HUD (ReconOS).
3. **Customize Fit:**
  - **Snap fit your Snow2 into your goggle.** Gently remove your goggle's lens and snap fit your Snow2 into your 'Recon Ready' goggle frame. The HUD sits in the right hand side of the goggle, while the battery sits on the left. Watch this tutorial for assistance with installation: <http://youtu.be/RLsE-e83CLQ>
  - **Adjust your goggles fit.** Adjust the strap sliders on your goggle's strap; fit the goggle to your face so that it sits upon your face comfortably and securely.
  - **Once you have installed Snow2 into your goggle, turn it on by pressing and holding down the power button. The power button is found on the right-side of your goggle. Wait until the power button shows a blue light to indicate the device is switched on.**
  - **Adjust the orientation of your Snow2 display to optimize visibility of the HUDs screen.** With your fingers, gently pivot and rotate your Recon HUD until the screen is fully visible when comfortably wearing the goggle. For assistance with display adjustment, visit this page: <http://reconinstruments.desk.com/customer/portal/articles/547048-can-the-angle-of-the-mod-live-hud-display-be-adjusted->
  - **Choose strap for your HUDs remote.** Choose your preferred remote strap mount (wrist or goggle) and snap-fit onto the remote. Watch this tutorial for assistance with installation: <https://www.youtube.com/watch?v=y4v0gX1V6iw&feature=youtu.be>

## RECON ENGAGE WEBSITE

Use the **Recon Engage** website to activate and register your Snow2. Upload your trips to view where you went, and what you did on the mountain. Review stats, milestones, and maps of your trips shown in info graphic form, which you can share socially, directly from your account. Engage is also your go-to spot to keep your Snow2's firmware updated with the latest features. Visit <https://engage.reconinstruments.com/> to learn more.



## RECON ENGAGE MOBILE APP

The **Recon Engage Mobile App** (for Android and iOS) provides connected features between your Smartphone and Snow2.

These features include Friend Tracking to see where your buddies are in real-time while you're on the mountain, and control of music stored on your Smartphone (as well as control of music apps installed on your Smartphone) via Music Player.

You can use the Recon Engage Mobile App to see a list of your accomplishments and share them across your favorite social networks.



To unlock additional features on your Snow2, download the Recon Engage Mobile App to your Smartphone from either the Google Play Store or Apple App Store.

### Connecting Your Smartphone - Android (4.1 or later)

1. Download the free **Recon Engage Mobile App** for Android from Google Play Store.
2. On your Snow2, open the **Quick Nav** menu by pressing and holding the SELECT button on your remote.
3. From the **Quick Nav** menu, press RIGHT on your remote to select Smartphone, and then choose Android.
4. Follow onscreen instructions on your Snow2 to complete set up.

### Connect Your Smartphone - iPhone (4S or later, iOS 7 or higher)

1. Download the free **Recon Engage Mobile App** for iPhone from the Apple App Store.
2. On your Snow2, open the **Quick Nav** menu by pressing and holding the SELECT button on your remote.
3. From **Quick Nav** menu, press RIGHT on your remote to select Smartphone, and then choose iPhone.
4. Follow onscreen instructions on Snow2 to complete set up.

# On Snow2

## FEATURES



### HOME MENU:

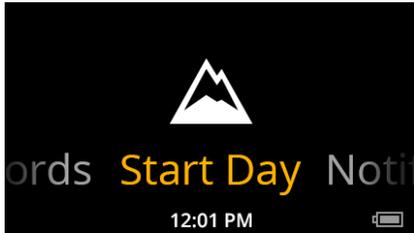
The **Home Menu** is the hub of Snow2's interface. This is where you can start tracking a new trip, view notifications and records, adjust settings, and launch Third Party Apps.





## QUICK NAV:

Pressing and holding the SELECT button on your remote opens the **Quick Nav** menu. **Quick Nav** gives you easy access to your **Home Menu, Notification Center, Music Player, Options** menu, and allows you to connect your Smartphone.



## START DAY

At the center of your **Home Menu** is **Start Day**. This is how you start tracking a new day on the hill.

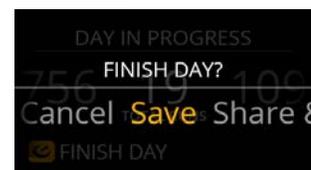
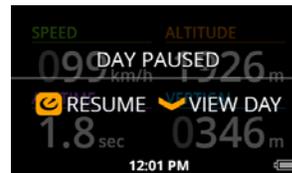
### *Start A New Activity:*

To start tracking a new activity, select **Start Day**. You will be launched into your Dashboard, and your activity will begin tracking as soon as you acquire a GPS fix.

### *View Day In Progress & Finish*

To view your day in progress, Pause your activity by pressing SELECT on your remote while on the Dashboard, then press DOWN to choose **VIEW DAY**. You will be taken to the Day In Progress screen, where you can see all your stats from your current activity.

To finish your activity, press SELECT while in the Day In Progress screen to invoke the Finish Day confirmation. From here and you can choose to Save, Share or Discard your activity.



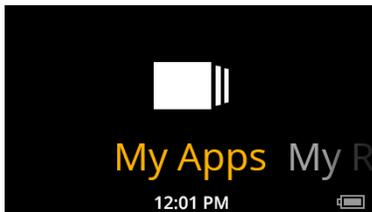
## MY RECORDS



Stats from any saved activity will appear in **My Records**. Here you can view your All Time records, or see all the stats from your Last Day on the hill.



## MY APPS



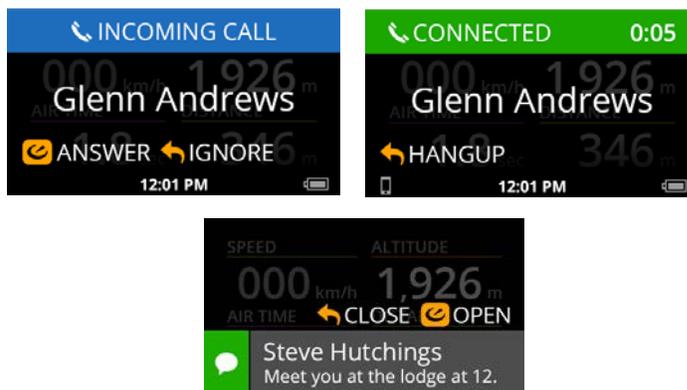
Default Snow2 apps, such as Maps, Music Player and Compass can be launched from **My Apps**. Any third party app installed on Snow2 will appear here as well.

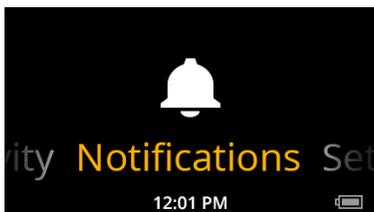
Additional apps can be downloaded from:

<http://engage.reconinstruments.com/forums/categories/apps>

## NOTIFICATIONS

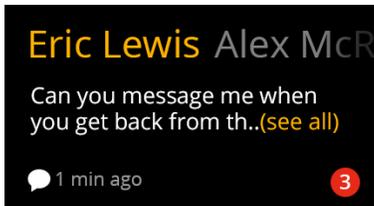
After connecting Snow2 to your Smartphone (and enabling notifications on iOS devices), you will be able to receive texts and calls on your device in real time.





**Notifications Center** is where all your texts, missed calls and other notifications are collected. Review all your notifications from this location.

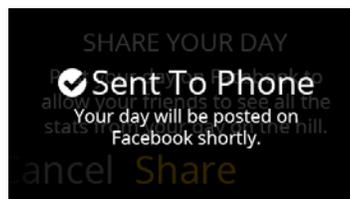
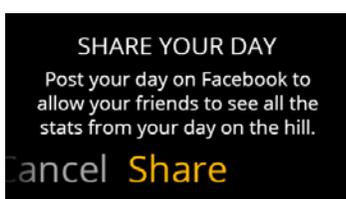
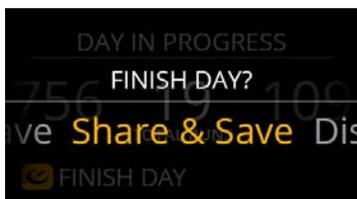
**Note:** Notification Center can also be accessed from the **Quick Nav** menu.



## SHARING

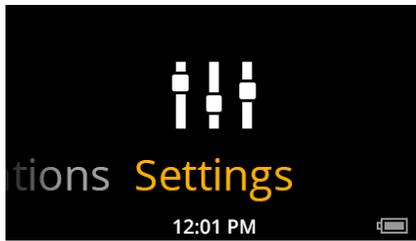
After completing your trip, share your day on **Facebook** with friends.

1. Log in to your **Recon Engage Mobile App** on your Smartphone via **Facebook**.
2. Now connect your Snow2 to your Smartphone.
3. Start Day on the HUD and hit the slopes.
4. Pause your activity and select **View Day**.
5. Press **SELECT** from the **Day In Progress** screen to Finish Day, then select **Share & Save**.



**Note:** Update your Snow2 to the latest software version from the Recon Engage website. (You'll be informed by the Recon Uplink Desktop App if your Snow2 requires a software update when you connect it to your computer). Also, update your Recon Engage Mobile App (on your Smartphone) through Apple App Store or Google Play Store.

## SETTINGS



**Smartphone:** Connect your Android or iPhone to access the advanced features on your Snow2.

**Bluetooth:** Pair Device and Manage Devices.

**Display-Brightness:** Here you can alter the brightness of the screen of your Snow2 to best suit your current surroundings.

**Notifications:** Here you can enable/disable calls and text notifications on your Snow2, and clear notifications as you wish.

**Devices:**

- **Compass:** Calibrate the Compass on your Snow2.
- **Battery:** Check your exact battery level.
- **Time:** Set the time on your Snow2.
- **About:** Find technical information specific to your Snow2 including serial number, firmware version and more.

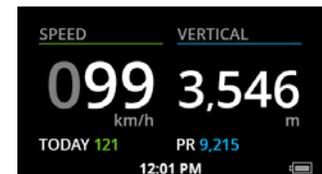
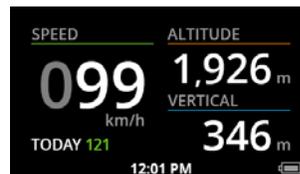
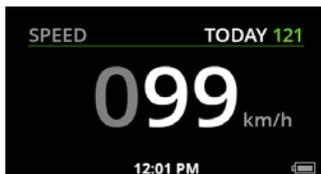
**Activity:** Clear all stats from previously saved activities.

**User Profile:** Set the unit of measurement and view your Profile Info.

**Advanced:** Uninstall apps, enabling USB debugging or perform a factory reset.

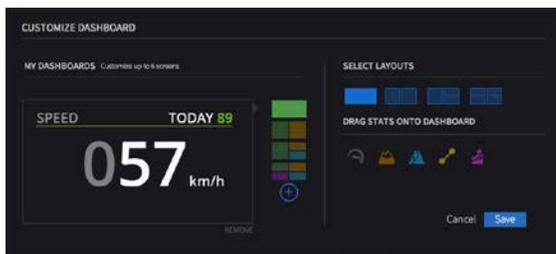
## Dashboard

Once you start tracking an activity, your stats will be displayed in real-time. The Dashboard comes with 4 default layouts, which you can cycle between by clicking UP and DOWN on your remote.



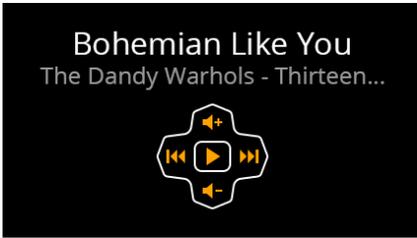
## Customizable Dashboard

Customize your Snow2's dashboard with the information that is most important to you.



1. Visit Recon Engage website and go to DEVICES > MANAGE HUD page.
2. Find your device in the list and click on "CUSTOMIZE DASHBOARD".
3. Here, you can add and remove dashboards from your Snow2 and customize their lay outs and stats. Click "SAVE" to confirm your selection.
4. Your new custom dashboard will be downloaded to your Snow2 the next time you connect your device with Uplink.

## MUSIC PLAYER



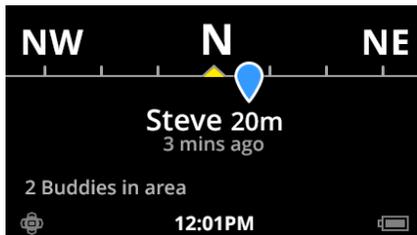
remote.)

Use Snow2 to control your favorite Music Apps installed on your Smartphone. Change songs and adjust volume using the remote while you carve through the snow – there is no need to take your phone out of your pocket again.

**Note:** Music Player can also be accessed from the **Quick Nav** menu.

*(Reminder: To access **Quick Nav** menu, press and hold the **SELECT** button on your*

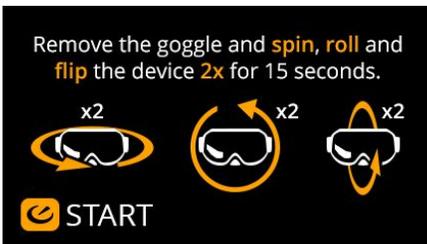
## COMPASS



Compass tells you where you're heading. If you have Friend Tracking enabled, you will see your friend's position relative to your own, including how far away they are. (**Note:** Friends tracking requires Smartphone connection)

You can access the Compass from **My Apps**.

## COMPASS CALIBRATION



The first time you use your Snow2 (ReconOS 4.0) you will be prompted on-screen to calibrate your device. This will take 15 seconds, and will require you to rotate the device across three-axis.

You can recalibrate the compass from Settings > Device > Compass.

## MAPS

### Default mode



See built-in resort maps, trails, lifts, friends and other points of interest on the map. Snow2's onboard GPS means you don't have to rely on your Smartphone to see your current location or what's around you.

The **Map\*** is located next to your **Dashboard** (one click right) when you begin tracking an activity. You can also launch the **Map** from **My Apps**.

*\* Download the latest map data by connecting your Snow2 to Recon Uplink. Recon Uplink automatically downloads street map data to your HUD within a radius of 50 km of your current location.*

You can also use Engage's Map Manager to add maps for locations not included in the ski resort list. Visit ["Maps on Snow2"](#) for more information.

### Find mode



The **Map** has two modes: Rotation Mode and Find Mode. You can enter Find Mode by pressing SELECT while in Rotation Mode.

**Rotation Mode:** The Map rotates around you to align with the direction that you are heading on the mountain.

**Find Mode:** Allows you to zoom and pan around the Map. You can hover over points of interest or Friends to see their name/how far away they are from you.

## FRIEND TRACKING

Find and track your friends and family with ease while you're on the mountain.

To see friends and family on the Map screen of your Snow2 while you're skiing or snowboarding, ensure you have completed the following steps:

- Add your friends/family to your **Recon Engage Mobile App**.
- Get your friends/family to download and install the **Recon Engage Mobile App**.
- Get your friends/family to create a Recon Engage account, and accept your friend requests.
- Enable Friend Tracking on your **Recon Engage Mobile App**.
- Connect your Snow2 to your Smartphone.
- Once your friend requests have been accepted, you will be able to track your friends location on the mountain, direct-to-eye, in real time.

*(Note: Friends/family must to be within approximately 5km of your current location in order to track them).*

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# BATTERY

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## Snow2 Battery (3.7V Lithium Polymer Rechargeable)

A full charge of the battery of your Snow2 lasts from 5-6 hours, even at temperatures as low as -10°C / 14°F. Usage under temperatures equal to or below -20°C / -4°F will mean that battery depletion occurs at a faster rate.

	Fully Charged Battery
	Nearly Fully Charged Battery
	Partially Charged Battery
	Low Battery
	Extremely Low Battery
	No Charge Left
	Battery is charging via USB to micro-USB cable

### Tip:

- Preserve battery life on your Snow2 by turning off the display. To do this, open the **Quick Nav** menu and press DOWN on your remote to access **Power Options** then select **Display Off**.

**Note:** The battery performance of your Snow2 will vary depending on the amount and / or activity of connected Bluetooth devices (ex: Smartphone, Third Party Hardware such as POV cameras, Heart Rate Monitors, etc.)

**Never attempt to service the Snow2 yourself – this includes attempting to remove or replace the lithium battery.**

## REMOTE BATTERY

The remote which accompanies your Snow2 connects to the HUD via BLE sensor technology. This is a very low energy connection, allowing you to navigate your HUD with ease. Please be aware that you may need to replace the remote's single three-volt CR2032 battery approximately once every three years.

### To replace the battery on the remote:

1. Remove the battery cover found on the underside of your remote.
2. Using a coin or flathead screwdriver, turn the cover counter clockwise until you reach the unlock symbol.
3. Remove battery and insert a replacement.
4. Replace the battery cover on the back of the remote.
5. Using a coin or flathead screwdriver, turn the cover clockwise until the arrow aligns with the closed lock symbol.

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## STATUS BAR ICONS

	Battery	Battery Level Indicator
	Activity Tracking	Snow2 is recording your activity
	Activity Paused	Snow2 stopped recording your activity
	Bluetooth	Bluetooth is enabled
	Smartphone	Smartphone is connected
	Smartphone	Smartphone is connected with data access
	Remote Connected	Remote is paired and connected to Snow2
	Remote Not Connected	Remote is not paired and not connected to Snow2
	GPS	GPS is searching for a signal
	GPS	GPS fix acquired
	USB	USB connected
12:45	Time	Current local time

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# Troubleshooting

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## GPS

GPS technology works best in open spaces with a clear view of the sky. Obstructions such as buildings and trees can degrade the GPS signal. Your Snow2 will automatically acquire a GPS fix each time you use your snow2.

If you are having difficulty acquiring a GPS fix on your Snow2, this may be due to one of the following factors:

- You are using the device indoors.
- Your device is trying to acquire a GPS fix for the first time.
- Your device has not been used for an extended period of time.

## AGPS (Assisted GPS) for your Snow2

AGPS helps to locate satellites within your local area, helping speed up the process of getting a GPS fix for your Snow2.

To activate AGPS, connect your Snow2 to your computer and run Recon Uplink. Recon Uplink will then automatically sync your Snow2 to your Recon Engage account and transfer AGPS files to your HUD for your current location.

If you still experience difficulty when trying to acquire a GPS fix, try powering down your Snow2 and restarting it outdoors (away from any obstructions, if possible).

## FACTORY RESET

A factory reset clears all data that your Snow2 has recorded. It also un-pairs the remote, clears your settings, uninstalls any third-party apps, and restores the device back to the default settings and original firmware the Snow2 was shipped with.

- To perform a factory reset, go to **Settings > Advanced > Factory Reset**

## REMOTE PAIRING

Your remote automatically comes paired with your Snow2. However, if you perform a factory reset or happen to lose your remote/purchase a new one, you will be required to re-pair the remote to your Snow2 again.

To un-pair remote, simultaneously press and hold the **Left** and **Right** buttons on the remote until you see the LED Indicator on your remote flash amber. Your Snow2 status bar will have the **remote is not paired and not connected** to Snow2 icon.

## Pairing your Remote to your Snow2

*Note the ID number on the back of the remote printed on white label.*

1. Power off your Snow2 and power it on again.
2. Press any button on the remote and wait for prompt on your Snow2 to select the remotes ID number.
3. Use the Snow2 power button to select the remotes ID number that corresponds to your remote. Click power button to select corresponding remote. A countdown will begin - wait for the counter to reach "0" on your Snow2 screen.

4. Now check if the remote is paired:

- You will see the **remote is paired and connected to Snow2** icon on the left of the status bar on your HUD.
- Press any button on your remote and you will see the remote LED Indicator flash blue. You're remote is now paired.

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## Maintenance

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### STORING YOUR DEVICE (Off-Season)

Your Snow2 requires a full charge before storing it for an extended period of time. We recommend you to charge your device once every 2-3 months during the off-season.

## CHARGING

### To charge your device using a PC or Mac:

1. First, connect the micro USB cable to your Snow2 then plug the USB cable into the USB port on your computer.
2. Check that a red LED light above the USB port on your Snow2 appears - this shows that your device is charging.
3. Keep charging until the red LED light turns off - this indicates your device is fully charged.

### To charge your device using the provided AC adapter:

1. Connect the micro USB cable to Snow2 then plug the USB cable into the AC adapter shipped with your unit. Plug the AC adapter into a wall outlet.
2. Check that a red LED light above the micro USB port appears - this shows that your device is charging.
3. Keep charging until the red LED light turns off - this indicates your device is fully charged.

**Note:** In optimal conditions, your Snow2 can achieve a fast charge (80% of battery) using your computer or AC adapter in just one hour. Charge your Snow2 for 4 hours to achieve a fully charged battery.

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# FIRMWARE UPDATES

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## How to keep your Snow2 updated to the latest software version:

1. Visit Recon Engage website ([engage.reconinstruments.com](https://engage.reconinstruments.com)) and create an account (if you already have an Engage account jump to the next step).
2. Log into your Engage account and navigate from DEVICES > MANAGE HUD page.
3. Download Recon Uplink Desktop App on your computer (download from the right hand side of the MANAGE HUD page).
4. Power up your Snow2 and connect it to your computer using the provided USB cord.
5. Wait for Recon Uplink Desktop App to recognize your Snow2 and then follow the prompts to register your Heads-up Display. (NOTE: You may be required to open the Recon Uplink Desktop App on your computer, if it didn't launch automatically).
6. Wait for Recon Uplink Desktop App to sync your Snow2 data to your Recon Engage account, then update your Snow2 to the latest firmware version (if available).
7. On your Snow2 HUD, select "OK" on the firmware update popup using your Snow2 remote to initiate the firmware update.

Your HUD will then reboot automatically and will go through the software update process. Once the software update is complete, you will be prompted to press any button on your remote to reconnect it with your Snow2.

### Operational notes:

Features and functionality of *Recon Engage* are supported by internet connection.

**IMPORTANT:** Make sure Snow2 is fully charged before performing a firmware update. If your battery is not sufficiently charged and Snow2 loses power during the upgrade, your device can be permanently damaged. Recon recommends that you plug your device into the AC wall charger while doing the firmware update.

To verify that your device has been successfully updated, navigate to *Software Version* under *About* in the *Settings* menu of your Snow2.

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# SUPPORT

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For additional service, support, tutorials, and FAQs, please visit:

<http://reconinstruments.desk.com>

Or email [support@reconinstruments.com](mailto:support@reconinstruments.com).

## Warranty

<http://reconinstruments.desk.com/customer/portal/articles/520749-warranty>

## Battery Disposal Information

<http://reconinstruments.desk.com/customer/portal/articles/843025>

## Technical Specifications

### Processor Subsystem

Processing	1 GHz Dual-core ARM Cortex-A9 with PowerVR SGX540
On-board Memory	1GB DDR2 SDRAM   2GB Flash

## Mechanical Specifications

Weight - ~65Grams (~2.3oz)  
Storage Temperature Range - -20°C to 60°C (-4°F to 140°F)  
Operating Temperature Range - -20°C to 30°C (-4°F to 86°F)  
Vibration Resistance - 4.4g rms 5 Hz to 2000 Hz  
Shock / Drop Resistance - 40 g, 15-23 ms, ½ Sine (1m Vertical Drop)  
Enclosure - Water Resistant Enclosure, IP65

## Sensor Technology

9-Axis Sensors - 3D Accelerometer | 3D Gyroscope | 3D Magnetometer  
Pressure Sensor - Altimeter & Barometer Application

## Display & Virtual Image

Display Resolution - Widescreen 16:9 WQVGA Ultra-compact Display 428x240  
Display Type - LCD Micro Display  
Virtual Image Size - 14" from 5 ft  
Color Depth - High Color 16-bit (5:6:5)

Brightness & Contrast Control - High Contrast & Brightness for Readability in High Ambient Light – Adjustable  
Power-saving Sleep Mode

## Networking Subsystem

Bluetooth 4.0 (Bluetooth Smart)  
Apple MFi Bluetooth Support  
Wi-Fi (IEEE802.11a/b/g/n)  
GPS - INS Kalman Filtering Fusion Algorithm  
USB/Micro-USB 2.0 (5-pin) - Device Charging/Power & Data Transfer

## Power requirements

Primary Supply Voltage - 3.7 Lithium Polymer Rechargeable Battery  
Charge Time - 3hrs = 100% – Device Fully Charged  
Battery Size & Life - 1200 mAh = 6 Hours+ Per Charge

## Remote Control

Wireless BLE 6-Button Remote- Allows for UI Control  
Waterproof - Suitable for use in All Weather Conditions. Designed for use while Wearing Winter Gloves

## System Requirements

Windows PC - Intel Pentium 4 or Higher, Windows 7 or Higher  
Mac - Intel Core Duo or Higher, Mac OS X v10.6.8 or Later

## Environmental Considerations

RoHS Compliant  
Brominated Flame-retardant-free  
Mercury-free

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# Compliance Information

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## FCC Compliance Class B Digital Device

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.

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

### FCC Declaration of Conformity

Snow2 (FCC ID: ZW5008) and Recon-Ready Remote (ZW5001) comply with FCC standard CRF 47 Part 15 subpart B and subpart C – section 15.249. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.



## Industry Canada Compliance

Snow2 and Recon-Ready Remote were certified with IC numbers 9717A-008 and 9717A-001, respectively. These devices comply with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec les normes de l'Industrie Canada-sans les standards RSS (s). L'utilisation est soumise aux deux conditions suivantes: (1) cet appareil ne peut pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.



## Japanese Radio Law and Japanese Business Law Compliance

Snow2 (R: 202-SMB048, T: D 13-0023 202) is granted pursuant to the Japanese Radio Law (ordinance of MPT No. 37,1981) and the Japanese Business Law (Article 56, Paragraph 1).