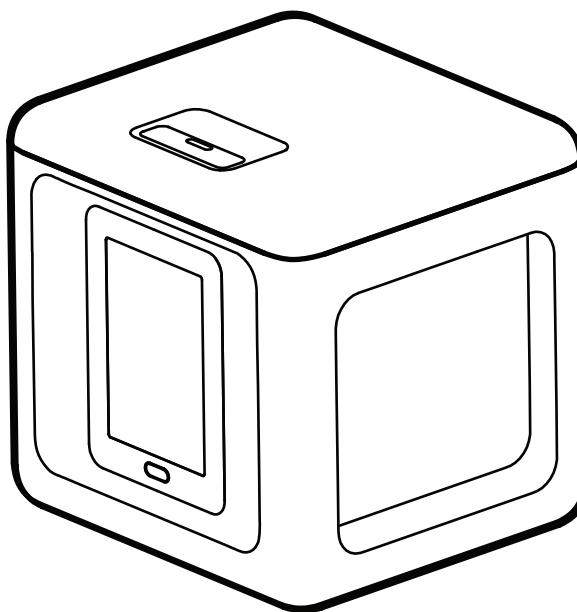


Ember Cube Passive 2.0

User Guide



Introduction

Welcome to the Ember Cube Passive 2.0 User Guide. This guide provides instructions for operating the Ember Cube Passive 2.0 and Charging Bay.

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Ember Cube Passive 2.0

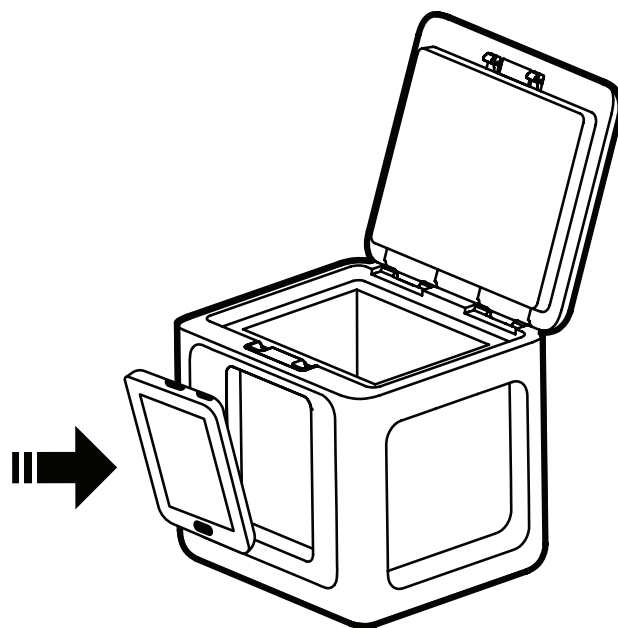


Overview

Ember Cube Passive 2.0 is a temperature-controlled medical shipping container equipped with a removable tablet. The tablet manages shipment state transitions and displays shipping labels. Orders and labels are created through the Ember Dashboard, a web-based application.

Ember Cube Passive 2.0

Initial Setup



Charging the Tablet

1. Place the tablet on the charger.
2. The tablet will display “Place on Charger” when the battery is low.
3. While charging, it displays the Charging Screen.
4. Once fully charged, it will show “Ready” and a Green LED will illuminate.

Placing Tablet into Cube

When tablet is removed from the charger, the tablet screen will display “Place tablet in Cube”.

1. Open the Cube lid by pulling the latch.
2. Place the bottom of the tablet into the two support feet inside the Cube.
3. Press the top of the tablet into the Cube until it clicks into place.
4. Once the tablet is placed into the Cube, the tablet enters Packout Mode and is ready for label loading via the Dashboard.

Ember Cube Passive 2.0

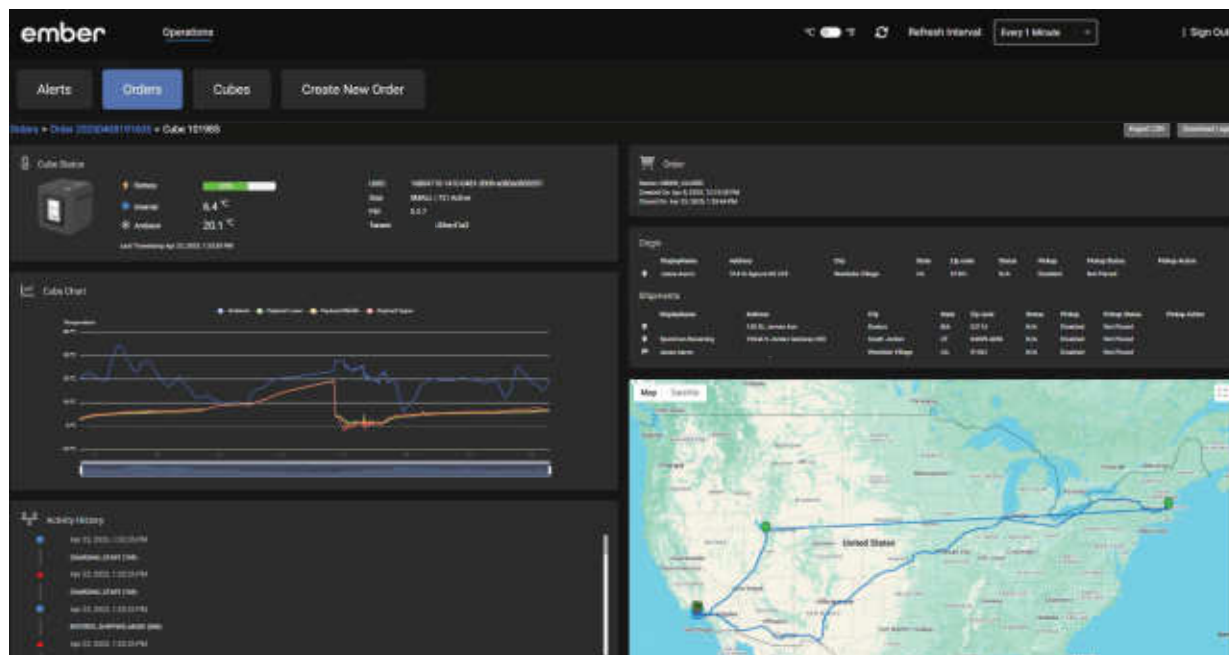
Operation

States and Behaviors

STATE	DESCRIPTION
Packout	The tablet is in the cube. Cube is discoverable in Dashboard and ready for order creation.
Preship	8-hour lockout period after label is loaded before Cube transitions to Shipping Mode.
Shipping (Number of Destinations in Order)	Active shipment mode after Preship 8 hours lockout period. Opening lid during shipping mode set the Cube state to Delivered.
Delivered	Lid opened while in Shipping Mode. Status updates visible in Dashboard, "Delivered".

Ember Cube Passive 2.0

Ember Dashboard



Dashboard Overview

The Ember Dashboard provides:

- Realtime view into Ember Cubes in shipment
- Realtime and historical view of position and temperature data and alerts
- Visibility of all cubes in inventory
- Simple tool for creating orders
- Exports data to CSV

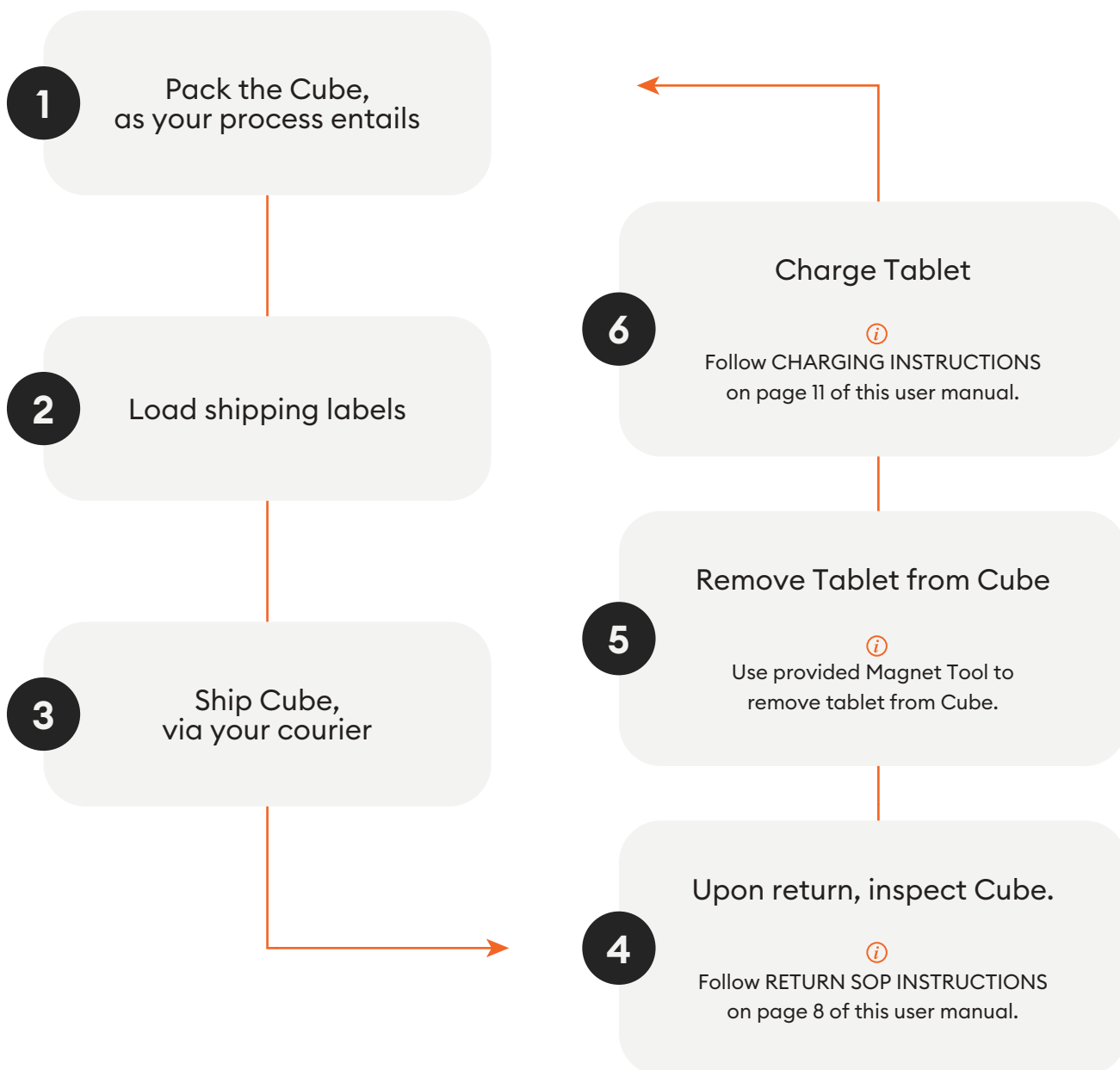
Access Dashboard

- Visit emberdashboard.com
- Scan QR code below:



Ember Cube Passive 2.0

Packing and Shipping Workflow



Ember Cube Passive 2.0

Packing and Shipping Workflow (continued)

Summary of Key Actions

ACTION	RESULT
Insert tablet in Cube	Enters Packout Mode (user create order)
Submit order in Dashboard	Loads up to 3 shipping labels
Preship Mode(s)	8 hours lockout period, then enters shipping mode
Open lid in Shipping Mode	Triggers “Delivered” event
Press RTH button tablet after delivery	Advances to next Preship Mode / displays next shipping label
Open lid, Use magnet key on lid latch	Releases tablet from cube

Label Workflow Recap

1. Charge tablet fully → screen shows Ready.
2. Remove Tablet from charger → Tablet screen displays “Place in Cube”.
3. When Tablet is placed in cube → Cube enters Packout Mode.
4. Create an order with up to 3 shipping destinations using Dashboard.
5. Cube cycles through Preship → Shipping → Delivered (open lid) at each destination.
6. Pressing the button on tablet will transition to next label.

Ember Cube Passive 2.0

Return SOP Instructions

Inspection Criteria:

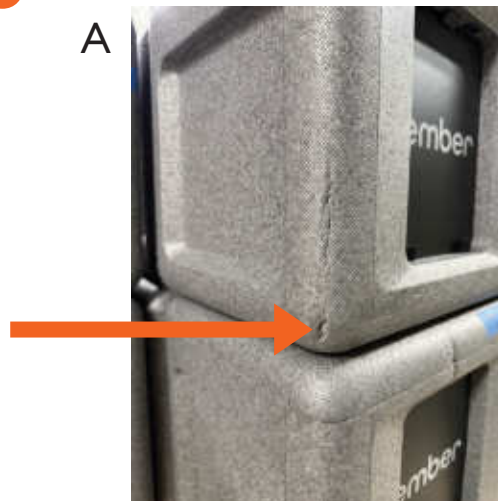
When a cube completes its journey, please complete the following steps before reuse:

- Check tablet screen for damage and remove stickers added during transit.
- Inspect cubes for significant punctures or other damage. Refer to Examples A and B for acceptable, reusable damage. Example C illustrates damage that renders the cube non-reusable.
- Remove tablet from cube, place into the charging bay, and confirm LED light turns on.
- Wipe down cube's payload interior with disinfecting wipes (Clorox or a similar product) or hydrogen peroxide wipes.

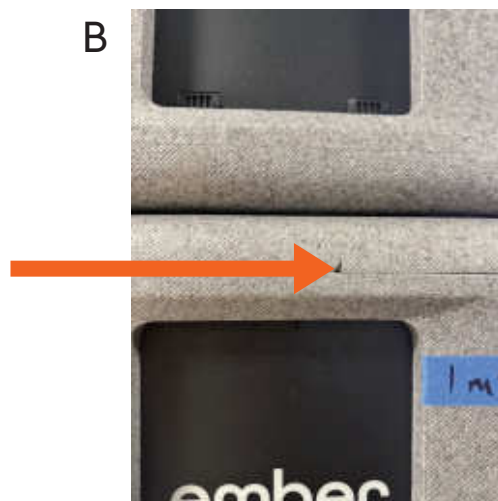
Temp Tag Battery

If the temp tag battery needs replacement, please contact support@emberlifesciences.com

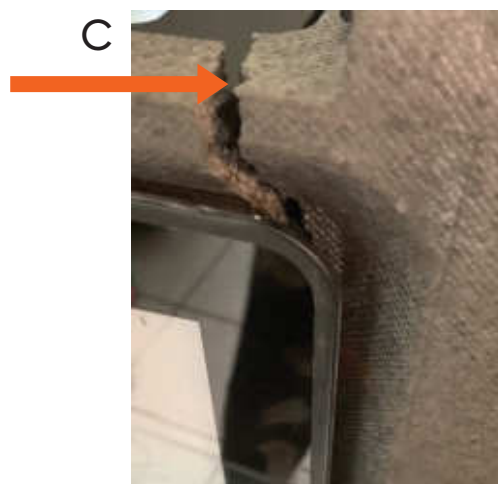
A



B



C



Charging Bay



Overview

The Ember Charging Bay provides fast, simultaneous charging for up to 10 Cold Cube Tablet 2.0. The system utilizes LED indicators on each tablet for real-time charge status and features ergonomic tablet guides to ensure correct orientation during docking.

Charging Bay

Key Components

Specifications

CHARGING BAY

- Docking and charging station for 10 Cold Cube Tablet 2.0

POWER ADAPTER

- EDAC 85W USB-C Adapter, Model EA11031A

TABLET STATUS LEDS

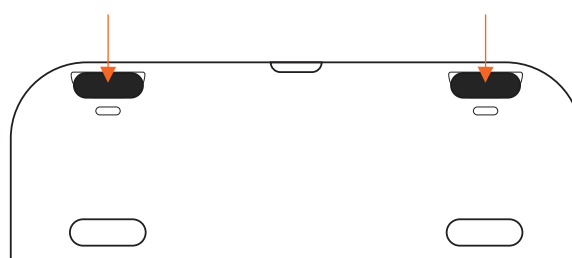
- Integrated on each tablet; visible when docked correctly

STRUCTURAL FEATURES

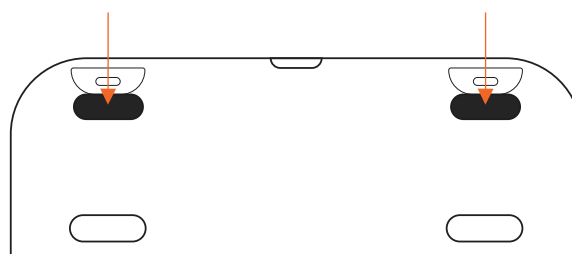
- Textured, impact-resistant housing with removable rubber feet

NOTE: Individual rubber feet allow stackable configurations for different environments. Flex-resistance has been integrated into the shell design to reduce excessive movement during transport or use.

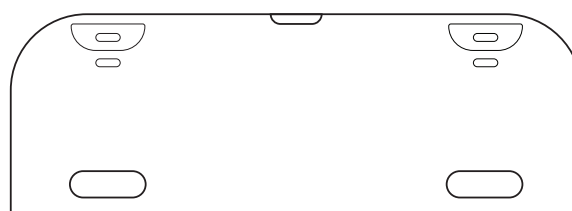
RUBBER FEET IN NORMAL POSITION



RUBBER FEET IN STACKABLE POSITION



RUBBER FEET REMOVED



Charging Bay

Charging Instructions

Essentials

PROPER TABLET ORIENTATION

- Slide tablets into slots with the **LED indicator corner visible and facing outward**. Do not force tablets; **they only insert one way**
- Tablets have two alignment notches along the bottom edge that fit guide pins in each bay slot

CHARGING PROCESS

1. Ensure the Charging Bay is powered on (see Setup section)
2. Insert tablets one at a time until securely seated
3. Confirm LED status on each tablet:
 -  Solid Green: Fully charged
 -  Solid Red: Charging in progress
 -  Flashing Red: Error charging (see Troubleshooting to resolve)

CHARGING DURATION

- Typical charging time is 4 hours, depending on battery level, battery health, and ambient conditions

REMOVING TABLETS

- Gently slide tablets out by gripping edges; avoid pressing on the display surface



Steps

SETUP INSTRUCTIONS

1. Place the Charging Bay on a flat, stable surface
2. Connect the Charging Bay using the included cable and power adapter. Plug the adapter securely into a standard power outlet
3. Confirm Charging Bay functionality (tablet LEDs will illuminate when securely seated in tablet slots)
4. For best performance, use only the supplied power adapter

NOTE: Using a different adapter may result in reduced performance

Charging Bay

Maintenance and Troubleshooting

Troubleshooting

SYMPTOM	POSSIBLE CAUSE	RECOMMENDED ACTION
Tablet not charging	Tablet not properly seated	Reseat tablet, ensure LED corner is visible
LED not illuminated	No bay power	Confirm adapter is plugged in
Bay not powering on	Faulty cord or connection	Inspect adapter and outlet
Tablet forced incorrectly	Wrong orientation	Reinsert with LED corner outward
Flashing Red LED while charging	Battery not charging	Remove the tablet from the Charging Bay, wait 30 seconds then re-insert. If flashing persists, contact support for further instructions.

Safety & Usage Guidelines

- Use only the approved EDAC USB-C Power Adapter provided
- Do not operate near liquids or excessive heat sources
- Ensure tablets are inserted in the correct orientation with LED visible
- Disconnect power before cleaning or transporting
- Do not modify or disassemble bay components

Support & Service

For technical support, replacement parts, or warranty inquiries, contact:

support@emberlifesciences.com

Technical Specifications

Tablet

Operating Temperature	0°C – 50°C for battery charging -15°C – 60°C with display function
Interface of wireless charger	Qi-compliant
Charging Power	6.5W Max

Temp Tag

Operating Temperature	-20°C – 50°C typical
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Charging Bay

Bay Capacity	10
Supported Tablets	Cold Cube Tablet 2.0
Input Power	15V / 4.5A (67.5W) or 20V / 3.375 A (67.5W)
Charging Method	5W Wireless Charging per slot
Charging Time	3 hours typical, 7 hours max
Operating Temperature	10°C – 30°C
Certifications	ETL Listed; FCC 47CFR Part 15 and CAN ICES-3 Compliant

Adapter

Power Adapter Model	EDAC EA11031A, 85W USB-C PD Adapter
Input Voltage (Adapter)	100–240V AC, 1.6A, 50–60Hz
Output Voltage (Adapter)	20.0V DC @ 4.25A (85W max)

Regulatory Compliance Information

COLD CUBE TABLET

Model / HVIN: CBT2

FCC ID: 2BRET-CBT2

Contains FCC ID: 2BRET-9151

IC:34400-CBT2

Contains IC: 34400-9151



Conforms to UL STD. 62368-1

Certified to CSA STD. C22.2 No. 62368-1

TEMP TAG

Model / HVIN: TTG2

FCC ID: 2BRET-TTG2

IC: 34400-TTG2



Conforms to UL STD. 62368-1

Certified to CSA STD. C22.2 No. 62368-1

FCC COMPLIANCE

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 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 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.

FCC SAR STATEMENT --TABLET

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body, with 0mm separation.

ISED COMPLIANCE STATEMENT

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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Regulatory Compliance Information (continued)

IC SAR STATEMENT --TABLET

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the ISED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body, with 0mm separation.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. L'utilisateur final doit suivre les instructions spécifiques pour satisfaire les normes. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

Le dispositif portable est conçu pour répondre aux exigences d'exposition aux ondes radio établie par le développement énergétique DURABLE. Ces exigences un SAR limite de 1,6 W/kg en moyenne pour un gramme de tissu. La valeur SAR la plus élevée signalée en vertu de cette norme lors de la certification de produit à utiliser lorsqu'il est correctement porté sur le corps, avec une séparation de 0mm.

FCC RADIATION EXPOSURE STATEMENT --TEMP TAG

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED RADIATION EXPOSURE STATEMENT --TEMP TAG

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

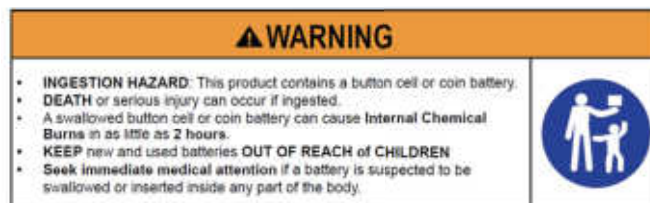
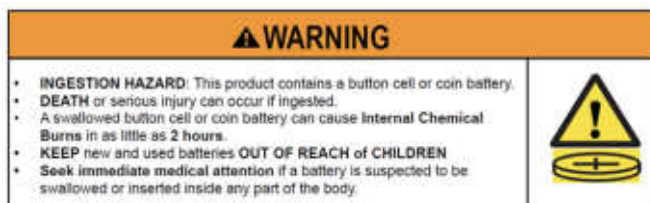
Cet équipement est conforme aux limites d'exposition aux radiations

IC CNR-102 établies pour un environnement non contrôlé. Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

BATTERY WARNINGS --TEMP TAG

To ensure the safety of you and your family, please read and follow all the following safety instructions carefully before installing, replacing batteries or using this product.

1. This product uses a specific coin battery: Model: CR2032, Capacity: 220mAh, Voltage: 3.0V, use only the same or equivalent type of battery as recommended.
2. You will find the following, or a similar, warning symbol on the product itself and on the battery compartment. Understand its serious meaning:



3. When the temp tag cannot transmit temperature data to the tablet, the battery must be replaced and **cannot be replaced by the consumer himself**. You must contact Ember or a designated service center to use a customized tool to operate. During operation, you must keep away from children.
4. Always insert batteries correctly with regards to polarity (+ and -) marked on the battery and the product.
5. Exhausted batteries should be immediately removed from product and properly disposed.
6. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate."
7. Even used batteries may cause severe injury or death.
8. Call a local poison control center for treatment information.
9. Non-rechargeable batteries are not to be recharged.
10. Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns."
11. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children."