

<div><div><div>Mocreo®</div><div>ST5-H2 Temperature Sensors Kit</div><div>User Manual</div></div></div>	<div><div>Content</div><div>Introduction.....2</div><div>What's in the Box.....3</div><div>Product Parameter.....4</div><div>Power up the Hub.....6</div><div>Power Button Operation of the Hub.....7</div><div>Setup.....9</div><div>Installation.....17</div><div>Test the Effective Distance.....18</div><div>How the System Works.....19</div><div>Battery.....20</div><div>Calibration.....21</div><div>Configuration.....22</div><div>Troubleshooting.....23</div><div>Precautions for Use.....26</div><div>FCC Statement.....27</div><div>Warranty.....29</div><div>Customer Service.....29</div><div>Disclaimer.....30</div></div>	<div><div>Introduction</div><div>Welcome to the user manual for the ST5 Sensor, a device designed for monitoring temperature in a variety of settings. With its waterproof external probe, the ST5 Sensor can detect and record ambient temperature in real-time.</div><div>Features:</div><div><ul style="list-style-type: none">• Detectable Temperature Range: -40°F ~ 257°F.• Three Alarm Methods: E-mail Alert, App Push Notification, Hub Beeping.• The ST5 Sensor is suitable for a range of environments including refrigerators/freezers, hot tubs, fish tanks, pet cages and more.</div></div>	<div><div>What's in the Box</div><div><div><div></div><div>Hub (H2)</div><div>x1</div></div><div><div></div><div>Micro USB Cable</div><div>x1</div></div><div><div></div><div>Pin Clip</div><div>x1</div></div></div><div><div></div><div>Sensor Body</div><div>x2</div></div><div><div></div><div>4.9ft Probe Cable</div><div>x2</div></div><div><div></div><div>Magic Sticker</div><div>x2</div></div><div><div></div><div>User Manual</div><div>x1</div></div></div>
---	--	--	---

<div><div>1. Set the Hub Into Setup Mode</div><div>Press and hold the power button of the Hub for 5s until the Hub indicator light turns blue.</div><div><div><div>Enter Setup Mode</div><div>Hub indicator light is blue? <input checked="" type="checkbox"/></div><div>Continue</div></div><div><div>Scanning Devices</div><div>Preparing to set up your device</div><div>Scanning devices... <input type="checkbox"/></div><div>Connected over BLE <input type="checkbox"/></div><div>Read model/version OK <input type="checkbox"/></div><div>Scanned 2.4GHz Wi-Fi APs <input type="checkbox"/></div></div></div></div>	<div><div>2. Select the Wi-Fi and Enter the Wi-Fi Password</div><div>Select the Wi-Fi SSID you want to connect to and enter the Wi-Fi password, support 2.4GHz Wi-Fi Only.</div><div>When "Congrats! Hub setup successfully!" appears on the page, it means the Hub is successfully added.</div><div><div><div>Wi-Fi List</div><div>Reason</div><div>Wi-Fi Info</div><div>Encryption</div><div>Wi-Fi Info</div><div>Encryption</div><div>Wi-Fi Connected</div></div></div></div>	<div><div>3. Sensor Joins the Hub</div><div>Tap the [+] Button at the upper right of the MOCREO Home Page and select Temp Sensor - ST5.</div><div><div><div>MOCREO</div><div>Select Product</div><div>No paired sensor? Click here</div><div>Temp Sensor - ST5</div></div></div></div>	<div><div>4. Select the Hub</div><div>Tap the [+] Button at the upper right of the MOCREO Home Page and select Temp Sensor - ST5.</div><div><div><div>Select the Hub</div><div>Unnamed Mc90380C629088</div></div></div></div>	<div><div>5. Add the Sensor</div><div>Select the Sensor you want to add and click on the "Add Button" (Up to 10 devices can be added at a time). When the indicator light of Sensor will flash (Please complete this operation within 60 seconds, and you can add up to 10 Sensors at a time).</div><div><div><div>Add Devices</div><div>000030</div><div>Mac-20:20:20:00:00:30</div><div>Add</div></div><div><div>Add Devices</div><div>000034</div><div>Mac-20:20:20:00:00:34</div><div>Ignore</div></div></div></div>	<div><div>Installation</div><div><div>1. Please place the Hub at a relatively high position. The suggested distance between the Hub and Sensor is within 131ft (No obstacles, signal value stronger than 20% is ideal).</div><div>2. Please make sure the Sensor probe was inserted firmly (Note: ST5 probe is waterproof but the Sensor Body is not).</div><div>3. Paste the Sensor Body on the outside of refrigerator and place the probe inside.</div></div><div><div></div></div></div>	<div><div>Test the Effective Distance</div><div><ul style="list-style-type: none">• Place the paired ST5 Sensor in the location you want to monitor. The suggested distance between the Hub and Sensor is within 67ft-82ft (Household environment).• Poke the Sensor pinhole for 1s and release.• After 20~30 seconds, Tap the corresponding Sensor card on the App to reach the Sensor Settings Page and view the signal value, signal value stronger than 20% is ideal.</div></div>	<div><div>How the System Works</div><div><div><div><div>150°F</div><div>150°F</div></div><div><div>150°F</div><div>150°F</div></div></div><div>The ST5 Sensors use Bluetooth to communicate with the Hub. Therefore, the distance is limited to a Bluetooth range centered on the Hub (e.g., around the house).</div><div>This range is affected by distance and obstacles such as walls, windows, water, radio interference, etc. In short, longer distances and more obstacles mean weaker signals.</div><div>The H2 Hub uses a Wi-Fi (2.4GHz only) to transmit data from the MOCREO Sensors in range to the Internet. A cellular hotspot with Wi-Fi capability can also be used to provide Internet access. Then, the MOCREO App can be used to view your device data from anywhere in the world.</div></div></div>	<div><div>Battery</div><div><ul style="list-style-type: none">• The ST5 Sensor built-in 1800mAh rechargeable lithium battery.• The battery can last up to 2 years before it needs to be charged again.• Please charge the Sensor with a Micro USB Cable and a 5V 1A power adapter.• The battery percentage can be checked on the App: Sensor Settings Page>Battery Level (Please do not check the battery level while the device is charging).• When charging, the red indicator light will stay on and when the red indicator light goes off it means charging is complete.• Low battery alert will be triggered when the battery is below 10% (Including Email alerts and APP notification).</div></div>	<div><div>Calibration</div><div><ul style="list-style-type: none">• When the Sensor was taken to or from the refrigerator/freezer, the ST5 Sensor will spend some time calibrating the reading, and it would take about 20 minutes for the ST5 to measure to proper ambient temperature.• The ST5 has a built-in USA-made DS18B20 chip, which is a strictly calibrated industrial-grade chip and is more accurate than ordinary consumer chips.• Calibration is usually not required, if you need information about the chip, please check the FAQ.• Calibration is only used to correct for small variations of ±0.9°F (±0.5°C). If you find larger differences than this during calibration, which indicates a problem with the calibration process of your Sensor, please contact MOCREO Customer Service.</div></div>	<div><div>Configuration</div><div><div>Name the Sensor Tap Sensor Card > Gear Button on the Upper Right > Alias Name > Save</div><div>Name the Hub Tap Gear Button on the Upper Left > Hubs > Click Gear Button on the Hub Card > Name > Save</div><div>Alert Tap Gear Button on the Upper Left > Alerts > Set Alert Model > Save</div><div>Export Data Tap Sensor Card > Gear Button on the Upper Right > Export Historical Data > Choose Time Period > Export</div></div></div>	<div><div>Troubleshooting</div><div><div>1. Hub offline/unable to access the Internet.</div><div>a. Please check whether the Hub is online. Open the App and click [Menu], then click [Hubs] to check the color of your Hub card.<ul style="list-style-type: none">• If the Hub card is gray, it means the Hub is offline.• If the Hub card is green, it means the Hub is online.</div><div>b. Please check that the indicator light of the Hub is on. If not, make sure the device is properly connected and powered. If the indicator light is red, it means that the current network is disconnected/network is not good. You can try moving the Hub closer to the router or restarting the Hub to restore the network connection.</div></div></div>
---	--	--	---	--	--	---	--	--	--	---	--

<div><div>2. Sensor Failed to Add?</div><div>a. The App can't scan the Sensor in the Sensor setup process.<ul style="list-style-type: none">• Please make sure your phone is within 15ft from the Sensor.• Please check whether ST5 Sensor has entered setup mode (Poke Sensor for 1s, blue LED will flashing, which means the Sensor enters Setup mode).• Please do not turn off the Bluetooth and network on your phone (Android needs to open the GPS and authorize the positioning permission).</div><div>b. When adding a Sensor, the App scanned Sensor but did not add successfully?<ul style="list-style-type: none">• Click "Retry Button" on the page to re-add.• If the Sensor still can't be added, please contact MOCREO Support for help.</div></div>	<div><div>Note:</div><div>a. To improve wireless stability, it is recommended:<ul style="list-style-type: none">• Install the Sensor as close to the Hub as possible. It's better if the Hub and the Sensor are in sight.• Reduce the obstacles between the Hub and the Sensor.• The Hub and Sensor should be placed far away from water to avoid signal interference.• Stay away from high power equipment, flammable and explosive materials.</div><div>b. Precautions about the Sensor placement environment.<ul style="list-style-type: none">• The Sensor Body is non-waterproof, please avoid water submerging and extreme temperature.• The working temperature range of the Sensor is from -40°F to +257°F (-40°C to +125°C). When exceeding this range, the data monitored might be inaccurate or the Sensor might be damaged.• The battery is rechargeable. It can be charged with the micro USB cable equipped. But the battery is not removable.</div></div>	<div><div>Precautions for Use</div><div>To ensure the normal use of the product, please pay attention to the following situations:</div><div><ul style="list-style-type: none">• It is recommended to install the Hub in a high place.• Do not expose the Device to high temperatures, humidity, or dusty environments.• Do not place the Device near flammable materials.• Do not put heavy objects on the Device or use it as a support.• Children should not use the Device without adult supervision.</div></div>	<div><div>FCC Statement</div><div>FCC ID (Sensor) : 2A36D-ST4 FCC ID (Hub) : 2A36D-H1</div><div>This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:<ul style="list-style-type: none">• This device may not cause harmful interference.• This device must accept any interference received, including interference that may cause undesired operation.</div><div>Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.</div><div>Note: 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.</div></div>	<div><div>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.</div><div>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:<ul style="list-style-type: none">• 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.</div></div>	<div><div>Warranty</div><div>MOCREO products enjoy a 12-Month limited warranty (Start from the date when customer receives the product), which applies only to hardware components of the device that are not subject to accident, misuse, neglect, fire, or other external causes, alterations, repair.</div><div><div>Customer Service</div><div><div><div>https://mocreo.com/doc/manual/support/faq.html</div><div>+1 (530) 988-8608</div><div>contact@mocreo.com</div></div><div><div>YouTube</div><div>MOCREO Sensor</div><div>Search [MOCREO Sensor] on YouTube to watch the setup video tutorials.</div></div><div><div>FAQ</div></div></div></div></div>	<div><div>Disclaimer</div><div>The contents about how to use the product and the App guidance are only for reference, please refer to the actual situation for specific application. If there is something differs from the instruction during using the product, please contact MOCREO Support for updates. This product is for detecting and monitoring only. MOCREO is not responsible for any property damage or other consequences of the use of this product.</div></div>	<div><div>(v1.2)</div></div>
--	---	---	---	--	--	---	------------------------------