SWiTRACE

in partnership with **american thermal instruments**

LOG·IC 360®

Revolutionize Your Cold Chain

Bluetooth Logger
Users Guide

- *Temperature*
- *Temperature + Humidity*

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IDENTIFYING YOUR LOGGER TYPE

ATI offers two versions of the LOG-IC 360 BT Logger including:

1) Temperature only

2) Temperature + Relative Humidity

DOWNLOADING THE LOG-IC 360 BT APP

Step 1) Go to apps.americanthermal.com.

Step 2) Select the Google Play or App Store based on your device.

Step 3) Select "Open."

Step 4) Download the app.

The LOG-IC 360 icon will appear on your smart device home screen.

Temperature   Temperature + RH

TURNING LOGGER ON

A logger is off and inactive when the screen is blank. To turn on the logger, press and hold the Power button for 2 seconds. The display will Power on with the letters **"rdY"**. The logger is now on but not actively logging.

NAVIGATION

When opening the LOG-IC 360 BT App, you will be prompted with these options:

PROFILE

CREATE

Create a custom profile for logging.

EDIT

Edit any existing profile including pre-configured and custom.

DEPLOY

Choose a pre-configured or custom profile to deploy.

DATA

DOWNLOAD

See all active LOG-IC 360 BT loggers in range.

FIXED ASSET

View a list of loggers in range with status and temperature data.
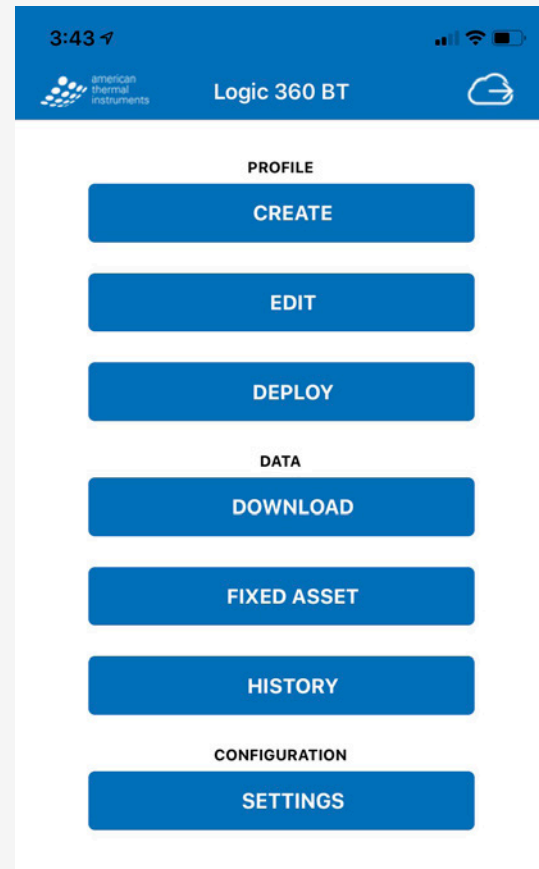
HISTORY

View a list of all LOG-IC BT loggers that have been connected to your smart device.

CONFIGURATION

SETTINGS

Set default profile settings, adjust App functionality and view the App details.

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NAVIGATION

TOGGLE BETWEEN SINGLE AND BATCH/GROUP MODE

📱 SINGLE MODE

📱 BATCH/GROUP

UNIVERSAL FUNCTIONS

👆 CLICK TO CONNECT

📷 OPEN LOGGER SCANNER

🔄 RESTART SCANNER

BATCH/GROUP FUNCTIONS

⊕ ADD/CREATE GROUP

📲 DOWNLOAD/DEPLOY

⬆️ ⬇️ SHOW/HIDE LIST

ⓘ SHOW GROUP INFORMATION

DISPLAY ABBREVIATIONS

bP: Button Press

AP: Airplane Mode

So: Soak Mode

rdY: Ready

SINGLE MODE

‹ Logic 360 BT	Download Data	
NAME	STATUS	TEMP/HUM
C7AB8E525184	OFF	21.67°C
F84F13D39F9E	ACTIVE	23.88°C

Scanning

📱 👆 📷 🔄

BATCH/GROUP MODE (SHOW LIST)

‹ Logic 360 BT	Download Data	
NAME	STATUS	TEMP/HUM
E0E591CC9B87	ACTIVE	19.80°C
E8A021BDE18A	ACTIVE	21.43°C

GROUP ⊕ 📲 ⬆️

Scanning

📱 👆 📷 🔄

BATCH/GROUP MODE (HIDE LIST)

‹ Logic 360 BT	Download Data	
NAME	STATUS	TEMP/HUM
E0E591CC9B87	ACTIVE	19.80°C

GROUP ⊕ 📲 ⬇️

Group 1 (4) ⓘ

Scanning

📱 👆 📷 🔄

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EDIT PROFILE DEFAULTS

There are a number of default properties that can easily be adjusted for consistent programming.

Step 1) Select **SETTINGS**

Step 2) Adjust the profile defaults including:

- Start Mode
- Soak Time
- Units of Measure
- Airplane Mode
- Log Interval
- High Speed Logging
- User Notes
- Circular Buffer
- Stop Monitoring

The selections will now be your default options when creating additional profiles.

Profile Defaults

Start Mode: On Deploy
Soak Time: 0
Units: Fahrenheit
Airplane Mode: Disabled
Airplane Mode Delay: 0
Log Interval: 1
High Speed Logging: Disabled
User Notes: Disabled
Circular Buffer: Disabled
Stop Monitoring Button: Disabled

APPLICATION FUNCTIONALITY

The LOG-IC 360 BT App can be customized for your usability.

Step 1) Select **SETTINGS**

Step 2) Click on each option to adjust settings:

- Vibrate on Connect
- Read Range
- Display Units
- Firmware Notifications
- Legacy Scanning
- Date/Time Display Option
- Graph Simplification

Application Functionality

Vibrate On Connect: Disabled
Read Range: Long
Display Units: Celsius
Firmware Notifications: Enabled
Legacy Scanning: Disabled
DateTime Display Option: Local
Graph Simplification: 80%

APPLICATION INFORMATION

You can view the current App and Logger Firmware version within this section.

LOG·IC 360®

DEPLOY A PRE-CONFIGURED PROFILE

The LOG-IC 360 BT App includes pre-configured profiles that can be deployed instantly to your BT device.

Step 1) Be sure your device is on, reading rdY.

- If not, hold the Power button ⏻ for 2 seconds.

Step 2) Select **DEPLOY**

Step 3) Select the profile of your choice.

Step 4) The App will begin scanning for BT devices within range that are not currently logging.

Step 5) Select your logger.

- If you are unsure which logger to choose, click and release the Power button ⏻

- The background of the correct logger will turn green.

Step 6) If you selected notes in your configuration, you will be prompted to type these notes or scan a QR code for details.
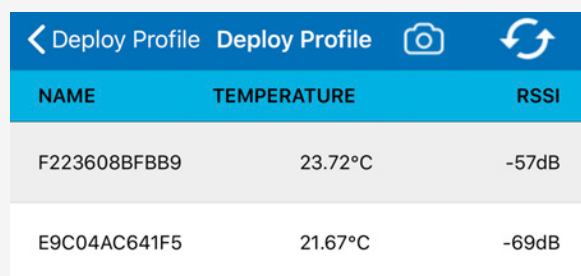
Step 7) The app will read **DEPLOYED SUCCESSFULLY** and the current temperature or "SO" for soak will be displayed on the logger screen.

The device will show as ACTIVE in the Scanner screen of the App.

❮ Deploy Profile	**Deploy Profile**	📷	🔄
NAME	**TEMPERATURE**		**RSSI**
F223608BFBB9	23.72°C		-57dB
E9C04AC641F5	21.67°C		-69dB

DELETING A PROFILE

To delete a profile, press and hold on the profile for 2 seconds and select Delete.

To stop a logger or turn it off, see page 18.

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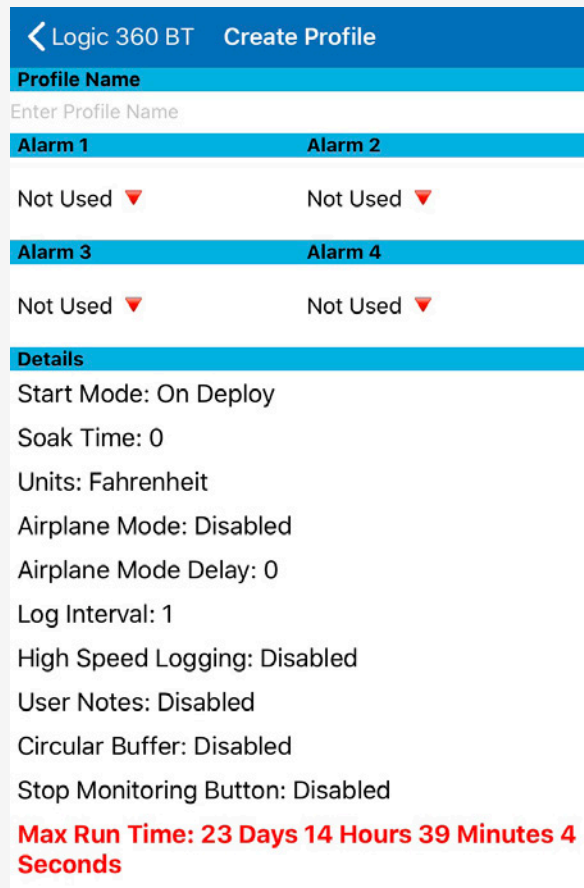
LOG·IC 360®

CREATING A CUSTOM PROFILE FOR TEMPERATURE ONLY DEVICES

Step 1) Select   CREATE

Step 2) You can then select your parameters:

- Name Profile.
- Set Temperature Alarms.

    - Select the red arrow next to Not Used

    - Select what type of of temperature you'd like to monitor - Instant, Cumulative or Continuous

    - Select whether you want to monitor a temperature above or below a certain threshold

    - Select your temperature threshold

    - Set the humidity option as Not Used

    - Set the time

    - Select the blue OK

- Continue this process for up to 4 alarms.
- Within the Details section, you can set:

    - Start Mode

    - Soak Time

    - Units of Measure

    - Airplane Mode

    - Log Interval

    - High Speed Logging

    - User Notes

    - Circular Buffer - Older data will be overwritten with new data once max time is met.

    - Stop Monitoring Button - A long, 6-second press of the power button ⏻ will stop the logger from recording.

‹ Logic 360 BT   Create Profile

Profile Name
Enter Profile Name

Alarm 1	Alarm 2
Not Used ▼	Not Used ▼

Alarm 3	Alarm 4
Not Used ▼	Not Used ▼

Details

Start Mode: On Deploy

Soak Time: 0

Units: Fahrenheit

Airplane Mode: Disabled

Airplane Mode Delay: 0

Log Interval: 1

High Speed Logging: Disabled

User Notes: Disabled

Circular Buffer: Disabled

Stop Monitoring Button: Disabled

Max Run Time: 23 Days 14 Hours 39 Minutes 4 Seconds

SWI ∞TRACE

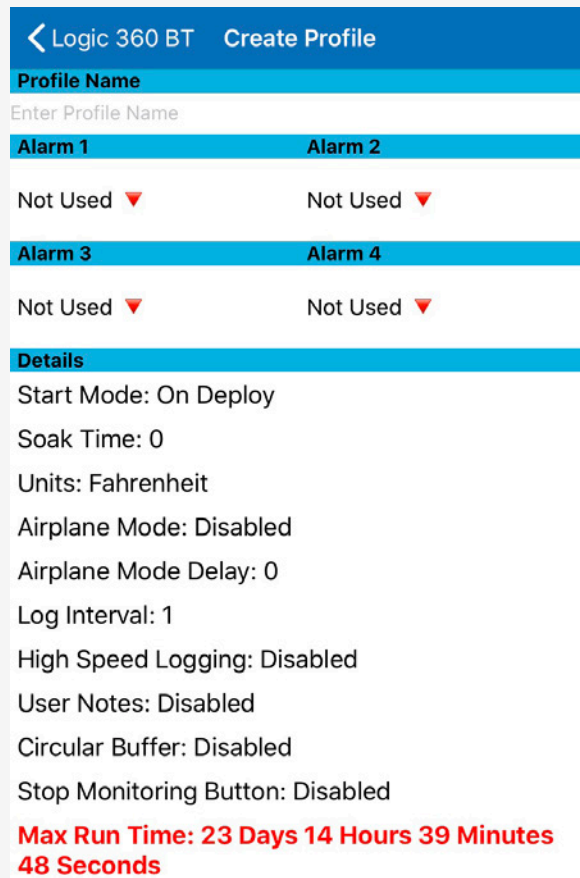**in partnership with American Thermal Instruments**

CREATING A CUSTOM PROFILE
FOR TEMPERATURE + RH DEVICE

Step 1) Select [CREATE]

Step 2) You can then select your parameters:

• Name Profile.

• Set Temperature Alarms.

- Select the red arrow next to Not Used

- Select what type of temperature you'd like to monitor - Instant, Cumulative or Continuous

- Select whether you want to monitor a temperature above or below a certain threshold

- Select your temperature threshold

- Set the critical humidity level or Not Used

- Set the time

- Select the blue OK

• Continue this process for up to 4 alarms.

• Within the Details section, you can set:

- Start Mode

- Soak Time

- Units of Measure

- Airplane Mode

- Log Interval

- High Speed Logging

- User Notes

- Circular Buffer - Older data will be overwritten with new data once max time is met.

- Stop Monitoring Button - A long, 6-second press of the power button ⏻ will stop the logger from recording.

High speed logging will allow your logger to move to 1-minute sampling periods automatically after reaching a temperature excursion. This will provide you with detailed data about when the excursions occur.

DEPLOY A CUSTOM PROFILE

Step 1) Select [**DEPLOY**]

Step 2) Select the custom profile.

Step 3) The App will begin scanning for BT devices within range that are not currently logging.

Step 4) Select your logger.
- If you are unsure which logger to choose, click and release the Power button ⏻
- The background of the correct logger will turn green.

Step 5) If you selected notes in your configuration, you will be prompted to type these notes or scan a barcode or QR code for details.
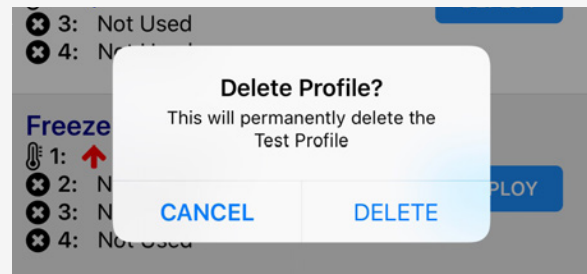
Step 6) The app will read **DEPLOYED SUCCESSFULLY** and the current temperature or "SO" for soak will be displayed on the logger screen.

The device will show as ACTIVE in the Scanner screen of the app.
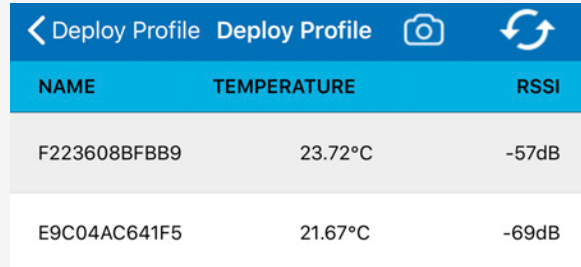
DELETING A CUSTOM PROFILE

To delete a profile, press and hold on the profile for 2 seconds and select Delete.

To stop a logger or turn it off, see page 18.

Delete Profile?
This will permanently delete the Test Profile

CANCEL   DELETE

Creating and Using a Custom Profile

CLICK TO DEPLOY A PROFILE TO ANY DEVICE

Step 1) Select [DEPLOY]

Step 2) Select your Profile.

Step 3) Select Click to Connect 👆 from the bottom navigation.

Step 4) Click the Power Button ⏻ on the logger you wish to activate with the selected profile.

Step 5) The App will read **DEPLOYED SUCCESSFULLY** and the current temperature or "SO" for soak will be displayed on the logger screen.

‹ Deploy Profile Deploy Profile 📷 🔄		
NAME	**TEMPERATURE**	**RSSI**
F223608BFBB9	23.72°C	-57dB
E9C04AC641F5	21.67°C	-69dB

SCAN TO DEPLOY A PROFILE TO ANY DEVICE

Step 1) Select [DEPLOY]

Step 2) Select your Profile.

Step 3) Select Open Logger Scanner 📷 from the bottom navigation.

Step 4) Scan the QR code on the back of the logger you wish to activate with the selected profile.

Step 5) The App will read **DEPLOYED SUCCESSFULLY** and the current temperature or "SO" for soak will be displayed on the logger screen.

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CREATING A BATCH AND DEPLOYING A PROFILE

You may want to deploy the same profile to a selection of loggers.

Step 1) Select **DEPLOY**

Step 2) Select the profile of your choice.

Step 3) The device will begin scanning for BT devices within range that are not currently logging.

Step 4) Click Batch/Group Mode [icon] and begin selecting the loggers you would like to deploy the same profile to. The selected loggers will highlight in blue.

Step 5) Select Download/Deploy [icon]

The selected batch of loggers is now actively logging.

CREATING A GROUP AND DEPLOYING A PROFILE

You may want to maintain a saved batch of loggers, called a group. You can also deploy the same profile to a group of loggers.

Step 1) Select **DEPLOY**

Step 2) Select the profile of your choice.

Step 3) The device will begin scanning for BT devices within range that are not currently logging.

Step 4) Click Batch/Group Mode [icon] and begin selecting the loggers you would like to deploy the same profile to. The selected loggers will turn blue.

Step 5) Select Add/Create Group [icon]

Step 6) Select the Group you created to deploy the profile. If you are unable to see your group, select Show/Hide List [icon] for the available options.

The selected batch of loggers is now actively logging.

USER MARKS

While the device is running, a user can drop a mark to target a specific time or temperature.

Step 1) Hold down the Power button (icon) for 2 seconds and release.

Step 2) "Pt" will appear on the display.

Step 3) Following the necessary steps, download the temperature data.

Step 4) The marked points will be displayed as blue targets within:

- the device graph

- the PDF report

- the CSV file

< Back F85D83B864FD

Min Temp: 64.8 °F

Max Temp: 75.1 °F

Mean Kinetic Temperature: 71.13 °F

Last Recorded Temperature: 64.76 °F

Units: Fahrenheit

Circular Buffer: Disabled

Exit Monitor Mode Button: Disabled

PROFILE ALARM SETTINGS
🌡 **1:** ⬆ 68°F INSTANT
🌡 **2:** ⬇ 55°F INSTANT
❌ Not Used
❌ Not Used

FLAGGED ALARMS
🌡 **1:** ⬆ 68°F INSTANT
TRIGGERED: 2020-07-29T13:14:55-04:00

Readings:
Press for enhanced graph.

■ Temperature ■ Temp Alarm 1 ■ Temp Alarm 2

Stop Monitoring

READING THE DISPLAY

- When turned ovofile, the display will read "rdY" or "END."
- When turned on with an active profile deployed, the display will show one of these four options:
  - Current temperature.
  - "SO" for soak.
  - An "X" designating an alarm has been triggered along with current temperature.
  - A check mark showing that none of the alarms have been triggered.

Continuously click and release the Power button for more detailed temperature data:

- Minimum temperature reached.
- Maximum temperature reached.
- Average temperature reached.
- Battery life in percent.

MIN   MAX   AVG

There are 3 ways to download data from an individual device – Standard Data Download, Scan to Download and Click to Download.

DATA DOWNLOAD

Step 1) Select   DOWNLOAD

Step 2) Select your logger

- • If you are unsure which logger to choose, click and release the Power button ⏻
- • The background of the correct logger will turn green.
- • If you still have trouble finding your logger, select the refresh button on the top right corner of your App screen.
- • For ease of downloading data from multiple loggers, select the camera icon 📷 and scan the QR code on the back of the logger.

You will be supplied with detailed data including:

- • **Start Date**
- • **Location**
- • **Mode**
- • **Run Time**
- • **Max Run Time**
- • **Battery Level**
- • **Soak Time**

- • Log Interval
- • Sample Count
- • Status
- • Min/Max Temp
- • Alarm Settings
- • Detailed Graph

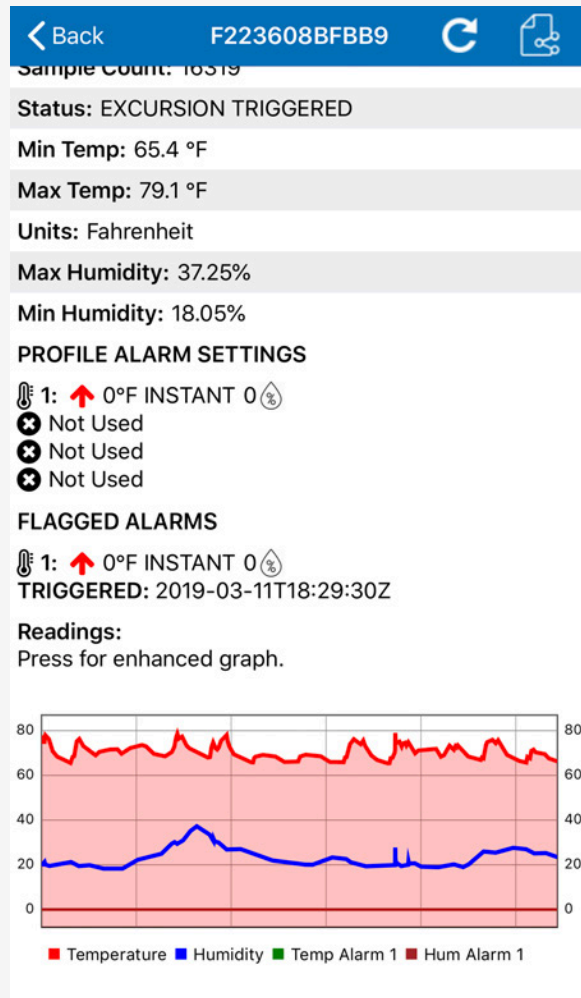You can zoom in on the detailed graph for extensive temperature data.

CLICK TO DOWNLOAD

Step 1) Select   DOWNLOAD

Step 2) Select Click to Connect 👆 from the bottom navigation.

Step 4) Click the Power button ⏻ on the logger you want to download data from.

The App will connect to the logger and download the temperature and/or humidity data from the device.

‹ Back   F223608BFBB9   ↻   ⤴

Sample Count: 18319

Status: EXCURSION TRIGGERED

Min Temp: 65.4 °F

Max Temp: 79.1 °F

Units: Fahrenheit

Max Humidity: 37.25%

Min Humidity: 18.05%

PROFILE ALARM SETTINGS

🌡 **1:** ↑ 0°F INSTANT 0 ℅
❌ Not Used
❌ Not Used
❌ Not Used

FLAGGED ALARMS

🌡 **1:** ↑ 0°F INSTANT 0 ℅
TRIGGERED: 2019-03-11T18:29:30Z

Readings:
Press for enhanced graph.

■ Temperature ■ Humidity ■ Temp Alarm 1 ■ Hum Alarm 1

Data Download and History

SCAN TO DOWNLOAD

Step 1) Select DOWNLOAD

Step 2) Select Scan 📷 from the bottom navigation.

Step 3) Scan the QR code on the back of the logger.

The App will connect to the logger and download the temperature and/or humidity data from the device.

SHARE THE DATA

Step 1) Select the 📲 icon in the top right of the App screen to share the temperature data via CSV or PDF.

Step 2) Using the native share function from your phone, you can message or email the data.

There are 2 ways to download and share data from multiple devices – Batch Download and Sharing or Group Download and Sharing.

BATCH DOWNLOAD AND SHARING

Step 1) Select **DOWNLOAD**

Step 2) The device will begin scanning for BT devices within range that are not currently logging.

Step 3) Click Batch/Group Mode 📱 and begin selecting the loggers you would like to download data from. The selected loggers will turn blue.

Step 4) Select Download/Deploy 📱 . You will be prompted to either download and stop monitoring or download only.

Step 5) Data will begin downloading. Download complete will appear when finished with a Zip file including the temperature data.

Step 6) Select the Zip file icon to send along to key stakeholders.

GROUP DOWNLOAD AND SHARING

Group downloading provides the ability to pull temperature data for a saved selection of loggers.

Step 1) Select [DOWNLOAD]

Step 2) The device will begin scanning for BT devices within range that are not currently logging.

Step 3) Click Batch/Group Mode [⬚] and begin selecting the loggers you would like to deploy a profile to. The selected loggers will turn blue.

Step 4) Select Add/Create Group [⊕]

Step 5) Select the Group you created to download data for. If you are unable to see your group, select Show/Hide List [⬆] for the full list available.

The data from the selected batch of loggers will now begin to download.

Step 6) Select the Zip file icon to send along to key stakeholders.

HISTORY

The LOG-IC 360 BT App stores temperature and humidity data for any logger that has been scanned with your device.

Step 1) Select [HISTORY]

Step 2) Select your logger.

All temperature and/or humidity data along with a detailed graph, is included.

- You may see a logger listed multiple times if it has been used more than once. Select the logger with the correct start date and time.

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STOP LOGGING

A logger can be stopped at any time using the LOG-IC 360 BT App.

A logger can be stopped and turned off manually if the Stop Monitoring Button feature within the deployed profile is enabled.

STOPPING THE LOGGER WITH THE APP

Step 1) Select [DOWNLOAD]

Step 2) Select your logger.

- If you are unsure which logger to choose, click and release the Power button ⏻
- The background of the correct logger will turn green.
- If you still have trouble finding your logger, select the refresh button on the top right corner of your App screen.

Step 3) Once the logger is chosen, scroll to the bottom of the logger detail screen.

Step 4) Select Stop Monitoring.

The device will connect and stop the logger. Your logger will now read "End" on the LCD screen.

Step 5) Hold the Power button ⏻ down for another 2 seconds and the display will turn off.

Your logger is now stopped and turned off.

STOP THE LOGGER MANUALLY

The Stop Monitoring Button feature within the deployed profile must be enabled to use this functionality.

Step 1) Hold the Power button ⏻ down for 8 seconds.

Step 2) The display will show "End".

Step 3) Hold the Power button ⏻ down for another 2 seconds and the display will turn off.

Your logger is now stopped and turned off.

FCC STATEMENT:

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 user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RSS 210 WARNING STATEMENT:

This device complies with Industry Canada licence-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.

Le présent appareil est conforme aux CNR d'Industrie 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, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The internal battery is not replaceable. Disposal of a battery into fire or a hot oven, leaving the battery in high temperature surrounding environment or mechanically crushing or cutting a battery can result in an explosion or leakage of flammable liquid or gas. Do not ingest battery, Chemical burn Hazard. This product contains a coin cell battery. If the coin cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely stop using the product and keep away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

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