

TRACEABLEGO™ DATALOgger INSTRUCTIONS



IMPORTANT NOTICE

You **MUST** download one of the Mobile Apps below to retrieve data and configure device

Bluetooth ONLY

Download TraceableGO™ App



Bluetooth + Cloud Data Storage

TraceableLIVE® Subscription **REQUIRED**



NOW that one of the apps below have been installed on your mobile device

TraceableGO comes ready to use out of the box.

Contents:

How to Configure Device using Mobile App	3-4
How to Download Data to your mobile Device	5
Device Specifications.....	6-7

TraceableGO™ App
Free Download



FREE

Features

Configure datalogger:

- Set Alarm
- ✓ Change Logging Interval
- Toggle between °C/°F
- Start/Stop Options
- Memory Wrap

✓ Export, Email and Save PDF to Mobile Device

✗ UNLIMITED CLOUD DATA STORAGE

✗ Data download to CSV, or Secured PDF

✗ Graphical UI to analyze data

✗ Summary data display: Min/Max, Kinetic Mean, Time in Alarm

✗ Storage of trip parameters

TraceableLIVE® App
Free Download



\$30/month

Features

Configure datalogger:

- Set Alarm
- ✓ Change Logging Interval
- Toggle between °C/°F
- Start/Stop Options
- Memory Wrap

✓ Export, Email and Save PDF to Mobile Device

✓ UNLIMITED CLOUD DATA STORAGE

✓ Data download to CSV, or Secured PDF

✓ Graphical UI to analyze data

✓ Summary data display: Min/Max, Kinetic Mean, Time in Alarm

✓ Storage of trip parameters

CONFIGURE DEVICE

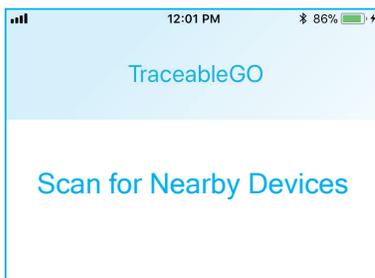
NOTE: To configure device either TraceableGO™ or TraceableLIVE® Apps must be downloaded to a mobile device.

ENABLE BLUETOOTH

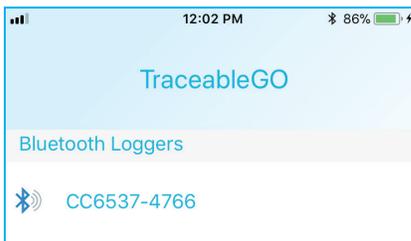
1. Quick press twice **START/STOP** to enable Bluetooth, and Bluetooth LCD symbol  appears.
2. Device starts to advertise to be found, and to be connected. Device Name shown on TraceableGO™ App discovered list looks like CC6535-xxxx, or CC6537-xxxx, where xxxx is the last 4 digits of device serial number.
3. If no connection has been made for **ONE MINUTE**, Bluetooth will be disabled to save battery life, and Bluetooth LCD symbol  disappears, or quick press twice again to disable Bluetooth. To enable again, go to Step (1).

TO VIEW PRE-CONFIGURED SETTINGS

1. Enable Bluetooth on device (see above).
2. Open TraceableGO™ or TraceableLIVE® App on any bluetooth enabled mobile device.
Note: Mobile device must have Bluetooth enabled to receive signal. To enable Bluetooth on a mobile device see mobile device settings.
3. Use TraceableGO™ or TraceableLIVE® App to connect to device. Once the app is open it will begin searching for devices to connect to.

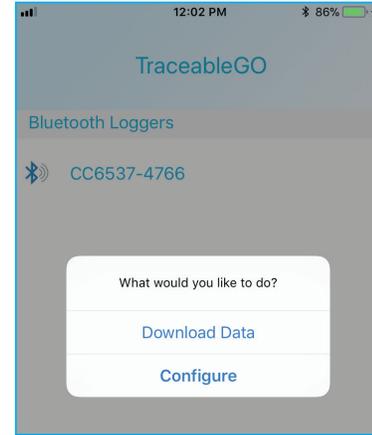


A list of available Dataloggers will appear.



Note: TraceableGO Bluetooth Dataloggers are serialized and each logger name will match the sticker located on the side of the unit.

4. Once device is selected select Configure.



5. The following parameters are configured through App: START Mode, STOP Mode, ALARM Enable/Disable, Celsius/Fahrenheit, Memory Mode, Data Logging Interval, Alarm Setting.
6. TraceableGO™ comes pre-programmed. To view current settings, tap on configure once device is selected in App.
7. Device comes pre-configured as shown below:

Device Name →

Device Serial Number →

Current Battery Status →

Current Temperature and/or Humidity Readings →

PRE-CONFIGURED DEVICE SETTINGS

1. START Mode: Push Start
2. STOP Mode: Push Button Stop
3. Memory Mode: Wrap when Memory is Full
4. Unit Preferences: °C
5. Alarm Setting Alarm Low: TAP ON VALUE TO CHANGE
 - Temperature: 2°C (6535 only)
 - Temperature: 20°C (6537 only)
 - Humidity: 25% RH (6537 only)
6. Alarm Setting High Alarm: TAP ON VALUE TO CHANGE
 - Temperature: 8°C (6535 only)
 - Temperature: 30°C (6537 only)
 - Humidity: 75% RH (6537 only)
7. Alarm Enable/Disable: Enabled
8. Data Logging Interval: 5 minutes

9. Date/Time is also set to current to central time (Automatically updates when connected to mobile device**CHECK**).

CONFIGURE DEVICE (continued)

Tap Configure to change factory settings

1. START Mode

Immediate Start: Once device is configured it will begin Datalogging.

Push Button: Press **START/STOP** Button to begin Datalogging.

Delayed: Select number of Hours, Minutes and Seconds when device is to begin Datalogging.

2. STOP Mode

Never: Device will never stop Datalogging.

Push Button: Press **START/STOP** Button to Stop Datalogging.

3. Memory Mode

Wrap When Full: Once memory is full, oldest data points will be overwritten with new data points.

Stop When Full: Device will stop recording when Memory is Full 64K (65,536) data points, 7.5 months on 5-minute logging interval.

4. Unit Preferences

°F: Select Fahrenheit

°C: Select Celsius

5. Alarm Setting Alarm Low: TAP ON VALUE TO CHANGE

- **Temperature:** Set LOWEST Temperature before an alarm is triggered.
- **Humidity (6537 only):** Set LOWEST Temperature before an alarm is triggered.

6. Alarm Setting High Alarm: TAP ON VALUE TO CHANGE

- **Temperature:** Set HIGHEST Temperature before an alarm is triggered.
- **Humidity (6537 only):** Set HIGHEST Relative Humidity value before an alarm is triggered.

7. Alarm Enable/Disable

Enabled: Alarm is on.

Disabled: Alarm is off.

8. Data Logging Interval

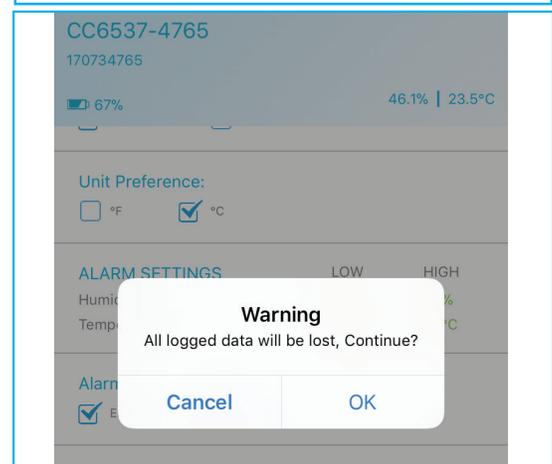
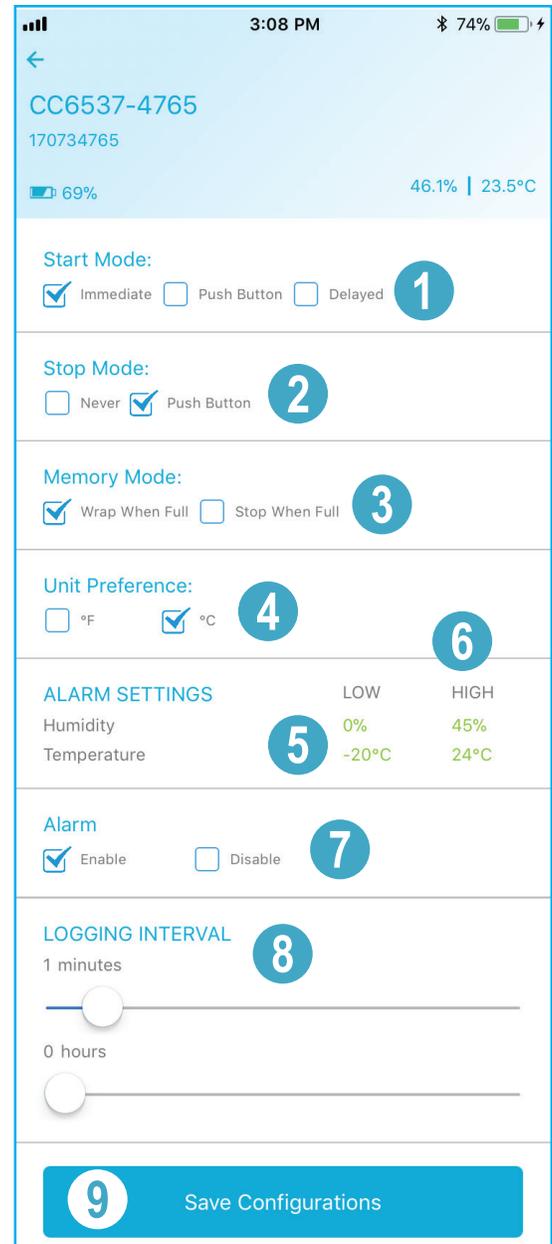
Slide to desired Logging Interval.

9. Save Configurations: Saves the current settings.

NOTE: Saving a Configuration will delete all data on device.

Once device has been configured, device enters **STANDBY Mode**.

Date/Time is also set to current to central time (Automatically updates when connected to mobile device**CHECK**).



SPECIFICATIONS



Figure 1: 6535 (left), 6537 (right)

Dimension L x H x D: 3.5 x 2 x 0.79" (89 x 51 x 20 mm)

MODEL

6535: TraceableGO™ Datalogging Thermometer

6537: TraceableGO™ Datalogging Hygrometer/Thermometer

TEMPERATURE

Operating Range: -20.0 to 70.0°C (-4.0 to 158.0°F)

Resolution: 0.1°C

Accuracy:

6535: ±0.4°C

6537: ±0.4°C between -10 and 70°C, otherwise ±0.5°C

RELATIVE HUMIDITY (6537 ONLY):

Range: 0% to 95%RH, non-condensing

Resolution: 0.1% RH

Accuracy: ±3% RH between 5 to 75%, otherwise ±5% RH

Battery: 2 AAA Alkaline batteries (3.0V)

Battery Level Indication:

Battery level	LCD symbol
≥ 80% (2.78V)	
≥ 60% (2.56V), < 80%	
≥ 40% (2.34V), < 60%	
≥ 20% (2.12V), < 40%	
≥ 10% (2.01V), < 20%	
< 10% Flashing	

Note: Battery level is updated every 5 minutes.

Note: Once battery level drops to below 10%, device may not work properly. Replace batteries immediately.

Note: When replacing batteries, after removing the old batteries, wait 10 seconds before inserting new batteries. Otherwise, Bluetooth may not work properly.

MEASUREMENT READING UPDATE FREQUENCY

Temperature and Humidity: 5 seconds;

Note: If a reading is out of operating range, corresponding location on LCD will display '---', and such out of range reading will not trigger alarm.

DATA LOGGING FREQUENCY:

5 min by default, user-adjustable between 1 minute and 12 hours with 1 minute step.

DATA STORAGE CAPACITY

Alarm: Most recent 90 Alarm events

Data: 64K (65536) data points, 7.5 months on 5-minute logging interval



Figure 2 Device not initialized

DEVICE OPERATING MODES

- IDLE Mode: First time battery inserted, and device has not been configured;
- STANDBY Mode: Device has been configured, but not started;
- RUN Mode: Device starts to measure and log data.
- STOP Mode: Device stops from RUN Mode. In STOP Mode, device does not update measurements or log data, and the last measurements are displayed.

VIEW CURRENT READING

1. Temperature ONLY unit: Current reading, minimum/ maximum reading, run time/alarm time toggling, Memory mode are shown on LCD.
2. Humidity and Temperature unit: Current temperature/humidity reading toggling every 5 seconds, minimum/maximum reading since last clearing, run time/alarm time, Memory mode are shown on LCD.

VIEW CURRENT MIN/MAX

Temperature ONLY unit: Current temperature Min/Max values are displayed on LCD.

Humidity and Temperature unit: Current temperature/humidity Min/Max values are toggled display.

Note: Every time device is configured, or resumes to run from STOP Mode, Min/Max values are reset.

VIEWING RUN TIME/ALARM TIME

Run Time/Alarm Time is toggled to display on LCD. If Run Time is displayed, LCD symbol **RUN TIME** appears; if Alarm Time is displayed, LCD symbol **ALARM TIME** appears.

Note: Alarm Time is accumulated for both Low Alarm and Hi Alarm for each channel (temperature, humidity).

HOW TO DOWNLOAD DATA TO MOBILE DEVICE

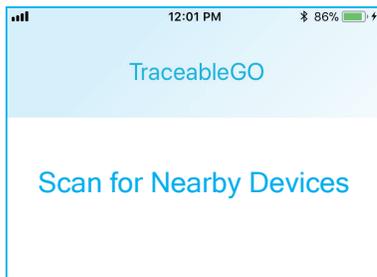
NOTE: To download data either TraceableGO™ or TraceableLIVE Apps must be downloaded to a mobile device.

ENABLE BLUETOOTH

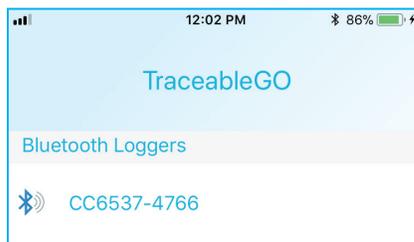
1. Quick press twice **START/STOP** to enable Bluetooth, and Bluetooth LCD symbol  appears;
2. Device starts to advertise to be found, and to be connected. Device Name shown on TraceableGO™ App discovered list looks like CC6535-xxxx, or CC6537-xxxx, where xxxx is the last 4 digits of device serial number.
3. If no connection has been made for **ONE MINUTE**, Bluetooth will be disabled to save battery life, and Bluetooth LCD symbol  disappears, or quick press twice again to disable Bluetooth. To enable again, go to Step (1).

TO DOWNLOAD RECORDED DATA

1. Device must be stopped. Enable Bluetooth on device (see above).
2. Device must be stopped. Open TraceableGO™ or TraceableLIVE® App on any bluetooth enabled mobile device. **Note:** Mobile device must have Bluetooth enabled to receive signal. To enable Bluetooth on a mobile device see mobile device settings.
3. Use TraceableGO™ or TraceableLIVE® App to connect to device. Once the app is open it will begin searching for devices to connect to.

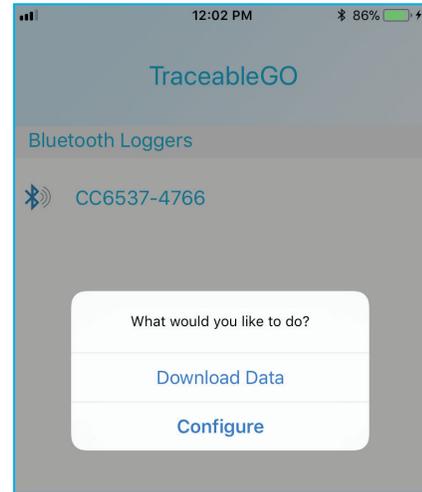


A list of available Dataloggers will appear.

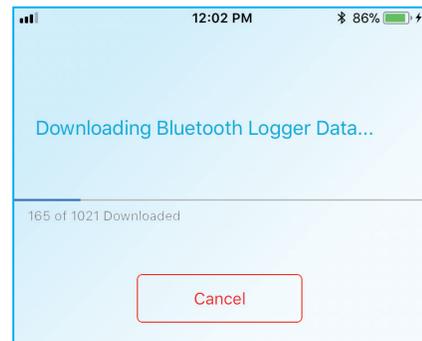


Note: TraceableGO™ Bluetooth Dataloggers are serialized and each logger name will match the sticker located on the side of the unit.

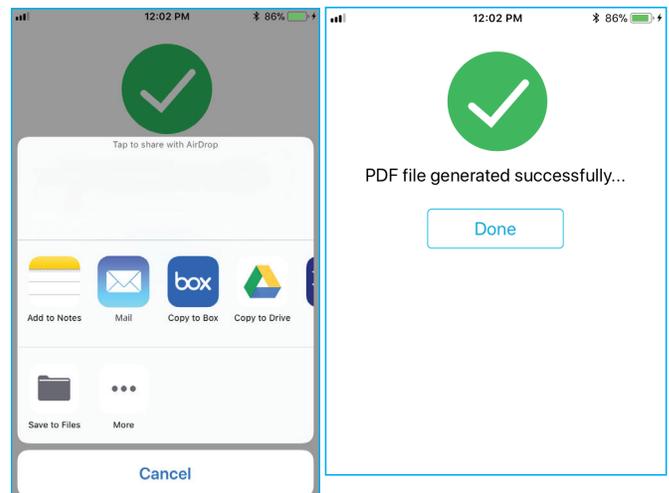
4. Once device is selected select Download Data.



5. App will begin extracting the data from TraceableGO™ Device.



6. Once data download is complete, mobile device will display options how to send PDF file, or CSV file (TraceableLIVE only). Tap Done and download is complete.



SPECIFICATIONS (continued)

MEMORY

If Memory Mode is set to WRAP WHEN FULL, **MEM** appears on LCD; If Memory Mode is set to STOP WHEN FULL, **MEM** appears on LCD.

ALARM

1. Once an alarm is triggered by any of temperature, humidity out of set alarm range, LCD symbol **LOW ALM** and/or **HI ALM** starts to flash. An Alarm Event will be logged.
2. Pressing **START/STOP** once will clear alarm, LCD symbol stops flashing. An Alarm Acknowledge Event will be logged.
3. If temperature, or humidity falls back to normal range, an Alarm Event will be logged. If any of temperature, humidity measurement goes back to out of alarm range, alarm will be triggered again.



Figure 4

4. If device's START Mode is configured as **PUSH BUTTON TO START** (default), device LCD displays 'push to start' (Figure 4). Press and hold **START/STOP** until LCD symbol appears. Device enters RUN Mode. If device's START Mode is configured as IMMEDIATE START, device enters RUN Mode immediately. If device's START Mode is configured as DELAYED TIME START, delayed start time set by user is counting down on device LCD. Once the counting time reaches 0, device enters RUN Mode.



Figure 6

3. If in **RUN Mode**, LCD symbol **RUN** appears, and logs data at user-defined interval. If STOP Mode is configured as PUSH BUTTON TO STOP, press and hold **START/STOP** until LCD symbol **STOP** appears. Device enters STOP Mode. If STOP Mode is configured as NEVER STOP, device will ignore button press, and will stop when memory is full if Memory Mode is set to STOP WHEN FULL, or will stop when TraceableGO™ App is connected to device and downloads the data.
4. If in STOP Mode, press and hold **START/STOP** until LCD symbol **RUN** appears. Device enters RUN Mode and resumes to log data at current setting. Anytime device resumes to log data from STOP Mode, Min/Max values are reset.

Note: If device in STOP Mode, START Mode will be set to PUSH BUTTON TO START regardless of previous Start Mode Setting. If Delayed Start Mode is needed while device in STOP Mode, device must be re-configured.

Note: While device is connected to TraceableGO™ App, once Device has received command from App to upload data to App, device will stop logging data and enter STOP Mode if it is still in RUN mode.

CLEAR DATA MEMORY STORAGE

1. Data points stored in device internal storage can only be cleared through App or battery removal.
2. Each time device is configured, all stored data points will be cleared.
3. Run Time/Alarm Time are also reset.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

TRACEABLE® PRODUCTS

12554 Old Galveston Rd. Suite B230

Webster, Texas 77598 USA

Ph. 281 482-1714 • Fax 281 482-9448

E-mail support@traceable.com • www.traceable.com

Traceable® Products is ISO 9001:2015 Quality-Certified by DNV and ISO/IEC 17025:2005 accredited as a Calibration Laboratory by A2LA.



TraceableLIVE® and TraceableGO™ are registered trademark/trademarks of Cole-Parmer.

©2018 Traceable® Products. 92-6535-20 Rev. 0 052418