



## Streamer4G Owner's Manual

V1.01

Thank you for your purchase of Cargo Data's Streamer4G Real Time monitoring instrument(s).

The Streamer4G System (shown above) is designed to monitor:

- 1) 2 temperature zones (monitored by onboard sensor and/or external sensors/probes)
- 2) Relative humidity (single relative humidity sensor inside the terminal)
- 3) Approximate location (as established by cell phone tower triangulation technology)
- 4) Cargo door status (as assumed by presence/absence of light)

## Operating Modes

Cargo Data's Streamer4G is designed to operate in 3 different modes. Contact the Cargo Data Corporation if you would like to use your Streamer4G for a different application than what it was initially configured to monitor.

- 1) **Truck/Trailer Mode:** Streamer4G is semi-permanently mounted in a temperature-controlled truck or trailer. The truck/trailer mounting kit (sold separately) includes a water resistant mounting case, power cable for connection to 12vdc power source within the truck/trailer, one small onboard ambient temperature sensor, and one corded external sensor (typically inserted into Zone 2 port) which is designed to monitor temperature at the end of the truck/trailer opposite from where the terminal is mounted. This is ideal for two-zone bulkheaded trailers where one end is for frozen product while the other end is for chilled fresh product. Use of a second sensor is optional—Streamer4G will work properly with only one sensor. In truck/trailer mode, Streamer4G monitors ambient temperatures in up to two zones, relative humidity in the zone where the terminal is mounted, approximate location as reported by cell phone tower triangulation, and door status, as determined by the light sensor in the zone where the terminal is mounted. In Truck/Trailer mode, once installed, Streamer4G is typically left "on" at all times, though the power switch can be turned off if monitoring is not desired during a specific time period.
- 2) **Warehouse (Cooler/Freezer) Mode:** Steamer4G is used to monitor temperature, humidity, and light in a fixed location cooler or freezer. Streamer4G receives power from a 120 vac power cord (included in Warehouse Installation kit) which can be connected to an ordinary home, office, or warehouse power electrical outlet. Streamer4G can monitor up to 2 temperature zones using any combination of onboard ambient, extension sensor, or external probe sensors. Humidity and light events are also captured, but location data is not displayed by default in Warehouse mode since monitoring is taking place at a fixed location.
- 3) **Autonomous/Audit Mode:** Streamer4G contains an internal rechargeable battery which allows it to function with no external power source for about 5 days. When being used in audit mode, any combination of sensors and/or probes can be used, and it can be used to monitor warehouses or in-transit applications. Two temperature zones, location, humidity, and light events are captured in Autonomous mode. Simply be sure battery is fully charged before implementing autonomous use.

## Using your Streamer4G

- 1) Install your Streamer4G according to installation instructions included with your mounting kit.
- 2) Power On: Slide power switch to the ON position. The Streamer4G system is designed for ongoing, continuous use. If power switch is moved to off position, all monitoring activity will cease, and a gap in the data record will be created in the online archive.

- 3) Once turned on, you will note the green “Unit On” LED will blink, and the red “Low Battery” indicator will flicker to confirm proper operation.
- 4) Green “Unit On” light will blink in 3 second intervals during normal operation. The “Unit On” light will automatically discontinue blinking with the light sensor senses darkness. This is a battery saving feature.
- 5) If the red “Low Battery” indicator is illuminated, this means that the power supply in Mode 1 or 2 above has been disconnected, and the connection must be reestablished. If illuminated in Mode 3, Streamer4G must be recharged by connecting to the 120vac power cord or to a PC computer via ordinary micro USB 2.0 cable.
- 6) Sensor installation: Streamer4G has two sensor connection ports identified as Zone 1 and Zone 2. Each connection can accept any type of Cargo Data’s temperature sensors. Simply fully insert the sensor plug into the port until it is fully seated Use of Zone 2 is optional—Streamer4G will function with Zone 1 usage alone.
- 7) The yellow “transmitting” light will illuminate each time Streamer4G attempts to connect to the mobile data network to update the Cloud server.
- 8) The Locating Beeper Start/Stop button can be depressed to enable/disable the instrument’s locating beeper. The locating beeper is typically used when Streamer4G is used in Autonomous/Audit mode and is placed inside a carton or crate. The locating beeper will assist personnel in locating and retrieving the device at the destination.
- 9) No routine maintenance is required beyond keeping Streamer4G clean and dry. Be sure power cable and extension sensor cables are firmly mounted so as to avoid chafing or creating a snagging hazard as freight is being loaded/unloaded into/from the monitored zone.

## **Free Online Data Access**

Data collected from your Streamer4G can be accessed using the UpLink field on the [cargodatacorp.com](http://cargodatacorp.com) homepage. Simply key in the 4-digit instrument ID number (“1302” in photo above) and click GO! This public access provides recent temperature data and current location only. This data access is designed to allow Receivers to review and evaluate in-transit temperature data when sensitive product has arrived on a Streamer4G equipped truck or trailer. UpLink data can be easily reviewed on a smartphone.

For higher-level “Dashboard” access to the Streamer4G online portal, a username and password will be provided by Cargo Data Corporation. The Dashboard provides data access to all company owned Streamer4G devices, and displays humidity data, historical location data, door event history, and the ability to manage out-of-range alerts and other administrative functions. If you have not received your username/password with shipment of your Streamer4G, contact Cargo Data Corporation.