



RELEASE NOTES: LT1-GOES v2 Firmware Update

FW Version 2.3.28 for LT1-GOES v2
Released: Aug 11, 2021

LT1-GOES v2: replaces FW version 2.3.27 and earlier

IMPORTANT:



- This update may require console access in the FTS360 Config App Station dashboard. Before visiting a site, contact FTS Support at 1-800-548-4264 or techsupport@ftsinc.com for temporary permissions to access.
- This update is for LT1-GOES-V2 stations built in 2021 (REV I and onwards)

(FIX)

Prevents unexpected reboots and automatic station disconnection of units when using the FTS360 Config App

LT-1533

Unreported vendor-initiated changes to the functionality of an internal component causes some users to be automatically disconnected from the station and unexpected reboots. This behaviour became apparent after units were upgraded to FW v 2.3.27. This update rectifies the issue.

HOW TO UPDATE TO FIRMWARE VERSION 2.3.28 ON AN LT1-GOES-V2

- 1) From FTS360, go the Station's page and select the "Edit Station" button.
- 2) Select the Download Firmware button.

Note: The firmware file will be saved with the following naming nomenclature:

fw_<station-type>-<version>.bin

EXAMPLE: Station firmware ver 2.3.28 appears as fw_LT1-GOES-V2_2.3.28.bin

- 3) Follow the prompts to download the file.
 - a) If using a smart device, this will be to an SD card.
 - b) If using a computer with Windows 10, this will be to an accessible folder.
- 4) Contact FTS Support at 1-800-548-4264 and explain that you are updating an LT1-GOES. You will be provided temporary permissions to access the Console page.
- 5) Once permissions are assigned, log into the FTS360 Config App on the smart device or Windows 10 app you will be using in the field (if you are already logged in, log out and then back in to apply the permissions).

IMPORTANT! Stay logged in until you reach the site.

- 6) Sync the FTS 360 App (select the  icon located in the top right-hand corner of the



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screen) and proceed to the field with the FTS360 Config App and the SD card.

- 7) Choose to update via a smart device or Windows 10 PC and follow instructions in A. STANDARD UPDATE METHOD.
- 8) If the process is interrupted, follow instructions in B. CONSOLE UPDATE METHOD

A. STANDARD UPDATE METHOD

Updating using a smart device:

Updating an LT1-GOES/LT1-IRID station's firmware requires a FAT32 formatted SD card, a device capable of downloading to an SD card, and a site visit to the LT1 station.

- 1) Prepare for a site visit (ensure you have the most recent version of the FTS360 Config App downloaded to your device, sync the FTS360 Config App (↻ icon) and bring the SD card).
- 2) At the site, connect to the station.
- 3) From the Station dashboard. Select the Station arrow, then the "Update Firmware From SD Card" button. Follow the prompts.

IMPORTANT! DO NOT use the FTS360 Config App until the FW update has completed.

- 4) Upon completion of the update, you will automatically be disconnected from the station. Re-connect to the station.
- 5) Safely eject the SD card used for the firmware update (from the Station Dashboard page select the SD Card line and then the "Safely remove SD card" button. Follow the prompts.)
- 6) Replace the station's original SD card.

NOTE: the station's SD card is an industrial card certified to operate within the LT1's environmental specifications and contains the station's logs. If it is not replaced, or it is replaced with a non-certified SD card, station logs may be compromised.

Updating using a Windows 10 PC

You will need the Windows 10 PC and a Micro-B data-USB cable

- 1) Ensure you have the most recent version of the FTS360 Config App downloaded to your PC.
- 2) Prepare for a site visit (ensure you have the most recent version of the FTS360 Config App Downloaded, sync the FTS360 Config App (↻ icon) and bring the data-USB cable)
- 3) At the site, connect the PC to the station using the data-USB cable.



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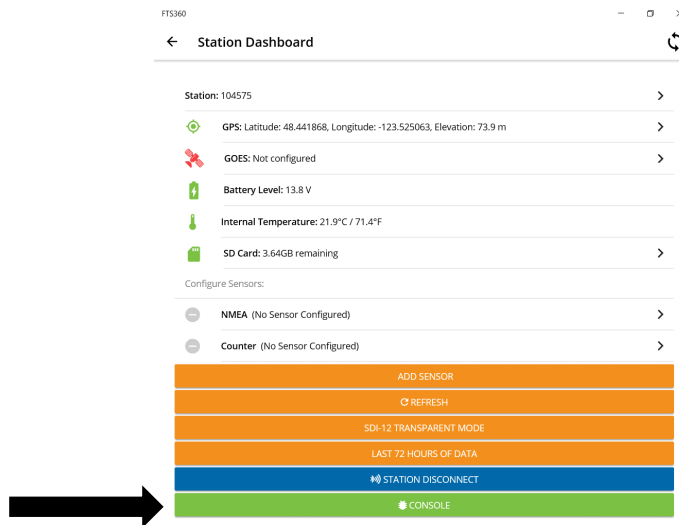
- 4) Select the Station arrow, then the Update Firmware button. Follow the prompts.

IMPORTANT! DO NOT use the FTS360 Config App until the FW update has completed.

B. CONSOLE UPDATE METHOD

On Site

- 1) Connect to the station.
- 2) From the Station Dashboard page select the SD Card line and then the "Safely Eject SD Card". Follow the prompts to remove the station's SD card and then insert the SD card with the firmware update file
- 3) From the Station's home page select the "Console" button

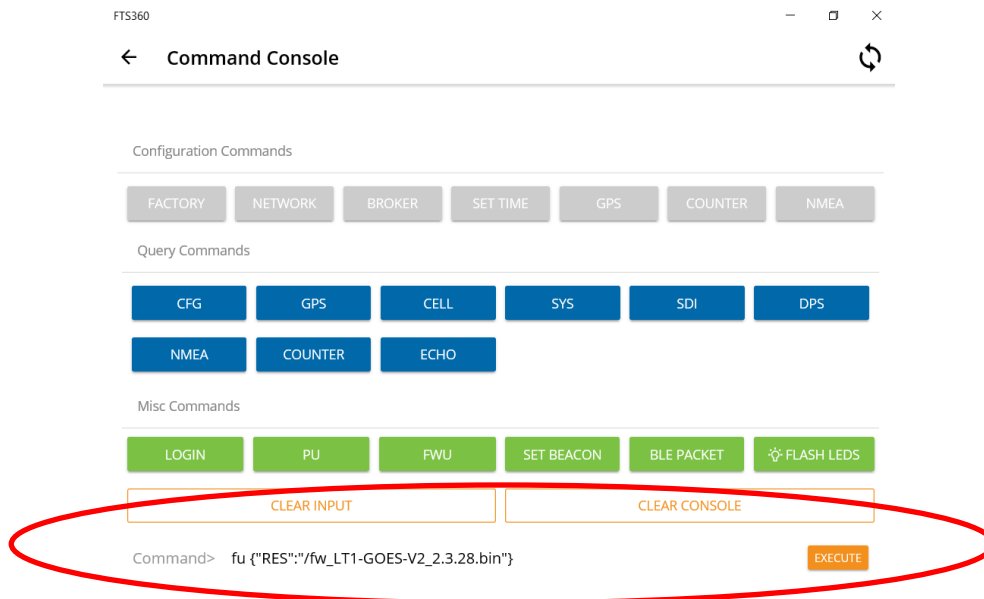


- 4) Type in the following command: `fu {"RES":"/fw_LT1-GOES-V2_2.3.28.bin"}` then "Execute"

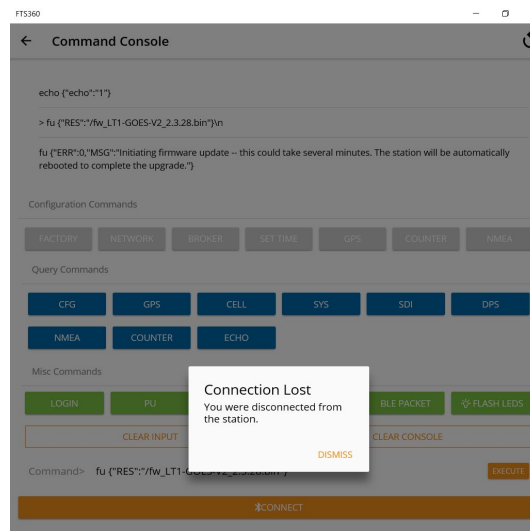


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- 5) A message will appear that the update is being initiated. When it is complete you will automatically be disconnected from the station.




- 6) Reconnect to the station and replace the station's original SD card:
- a) From the Station Dashboard page select the SD Card line and then the "Safely Eject SD Card". Follow the prompts to remove the SD card and then replace the station's original SD card.
- 7) DO NOT log out of the FTS360 App until you have internet connectivity and have synchronized the application.



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- 8) As soon as you have internet connectivity, synchronize the FTS360 Config App with FTS360:
 - a) Select the  icon on the Station Discovery page.
 - 9) Contact FTS Support to restore standard permissions.