

# Log File Output Function of Cutting Master 5 and Graphtec Studio 2

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OPSCMGS-AUM4-151

## **Overview**

Version 1.12 of the Remote Panel Utility, the software included with Graphtec Studio 2 and Cutting Master 5, adds a log file output function for EU data regulations.

This document explains the procedure for using this function and describes the items output in the log file.

## **Preparations**

It is assumed that Graphtec Studio 2 or Cutting Master 5 version 1.12 or later is already installed on a Windows OS or macOS computer.

## **Supported Models and Versions**

FC9000 series: Ver. 2.10 or later

CE8000 series: Ver. 1.18 or later

CE8000-40+ASF1: Ver. 1.18 or later

CE8000-130AP: Ver. 1.11 or later

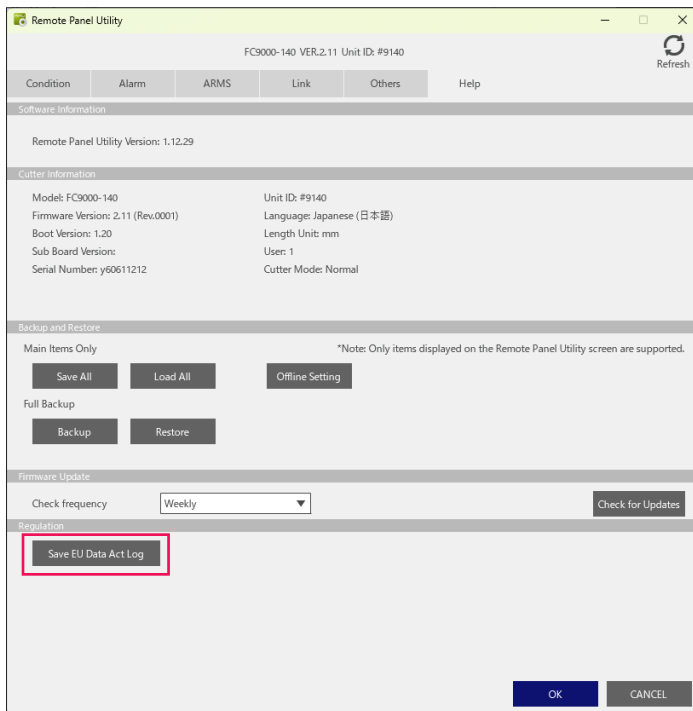
FCX2000 series: Ver. 4.30 or later

FCX4000 series: Ver. 3.70 or later

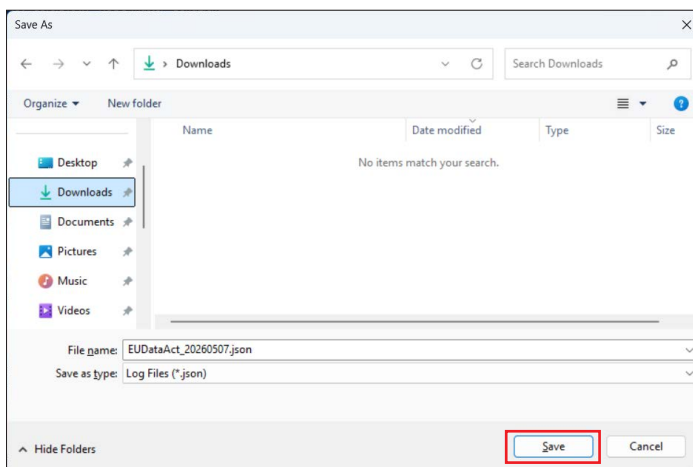
## **Operating Procedure**

1. For Windows OS:  
Open the [Graphtec Studio 2] folder or [Cutting Master 5] folder from the Start menu and launch Remote Panel Utility.  
  
For macOS:  
Open the [Graphtec Studio 2] folder or [Cutting Master 5] folder within the [Applications]-[Graphtec Corporation] folder and launch Remote Panel Utility.

2. When the "Select Cutter" screen appears, select the cutting plotter and click the "OK" button.
3. When the "Remote Panel Utility" screen appears, open the "Help" tab and click the "Save EU Data Act Log" button.



4. When the file save screen appears, click the "Save" button to output the log file. This log file will be output in JSON format.



## Log File Description

The output log file (JSON file) will be in the following format:

```
{
  "dataType": "EUDataAct",
  "formatVersion": 1,
  "utcTime": "2026-02-25T06:30:30Z",
  "localTime": "2026-02-25T15:30:30+09:00",
  "modelName": "CE8000-60",
  "firmwareVersion": "1.23",
  "serialNumber": "Y12345678",
  "motorDistanceX": 800000,
  "motorDistanceY": 9000,
  "tool1Down": 987,
  "tool2Down": null,
  "asfLoadCount": null,
  "errorLogs": [
    {
      "time": "-0:02:21",
      "code": "E05008",
      "message": "ERROR CANNOT RECOGNIZE THE EXTERNAL MEMORY"
    },
    {
      "time": "-0:05:37",
      "code": "E04017",
      "message": "ARMS MARK SCAN ERROR! MOVING DESTINATION IS OUT OF AREA"
    },
    .....
    {
      .....
    }
  ]
}
```

## Explanation of each item in the log file

| Item Name       | Type    | Description                                                                                                                                                                                                      |
|-----------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dataType        | String  | Fixed string for EU Data Act.<br>"EUDataAct" (fixed).                                                                                                                                                            |
| formatVersion   | Integer | Log file format version.<br>Current format: 1.                                                                                                                                                                   |
| utcTime         | String  | ISO8601 format (standard time).                                                                                                                                                                                  |
| localTime       | String  | ISO8601 format (local time).                                                                                                                                                                                     |
| modelName       | String  | Model name of the connected cutting plotter.<br>"CE8000-60," etc.                                                                                                                                                |
| firmwareVersion | String  | Firmware version.<br>"1.23," etc.                                                                                                                                                                                |
| serialNumber    | String  | Serial number assigned to the cutting plotter.                                                                                                                                                                   |
| motorDistanceX  | Integer | Approximate usage distance of the X motor. (Unit: meters)<br>Example: 800km: 800000                                                                                                                              |
| motorDistanceY  | Integer | Approximate usage distance of the Y motor. (Unit: meters)<br>Example: 9km: 9000                                                                                                                                  |
| tool1Down       | Integer | Approximate number of tool1 down operations.<br>Example: 987 times: 987                                                                                                                                          |
| tool2Down       | Integer | Approximate number of tool2 down operations.<br>Example: 654 times: 654<br>* FCX2000/FCX4000 only.                                                                                                               |
| asfLoadCount    | Integer | Approximate number of Auto Sheet Feeder (ASF) loads.<br>Example: For 5678 occurrences: 5678<br>* CE8000-40+ASF1 only.                                                                                            |
| errorLogs       | String  | Cutting plotter error log.                                                                                                                                                                                       |
| time            | String  | Error log recording time. (Unit: hours:minutes:seconds)<br>Example: An error 2 minutes and 21 seconds before the log file was generated: "-0:02:21"<br>* The value changes each time the log file is generated.) |
| code            | String  | Error log error code.                                                                                                                                                                                            |
| message         | String  | Error log message.<br>(ASCII or UTF8)                                                                                                                                                                            |