October 31, 2018

GL-Connection software

Version 2.20	*Release date: October 31, 2018*

- Modification
    1. The tab cursor synchronization function was added for the GL7000.
    2. The AMP list displaying function was added for the GL7000.
    3. The high-speed file transfer function was added for the GL7000.
    4. The PC recoding ON/OFF function was added for the GL7000.
    5. The remoter lock release function was added for the GL7000.

        Note: The firmware of GL7000 must update to V2.00 to use above functions.

Version 2.10	*Release date: September 29, 2018*

- Modification
    6. Corresponded to the Daily report CSV file replay of GRM-ONE for Japanese mode and English mode.

- Fixed problem
    1. When the range was change with the EU the input side of upper and lower limit were not kept.

Version 2.01	*Release date: November 22, 2017*

- Modification
    1. Corresponded to the GL2000.

- Fixed problem
    1. The result of statistics calculation did not affect when the file group was converted to save.
    2. Unit of temperature was displayed with Centigrade when the file was replayed even if it was save with Fahrenheit by the GL900.

Version 2.00	*Release date: November 2, 2017*

- Modification
    1. Corresponded to the GL980.

2. Corresponded to Spanish and Russian menu.

   Note: The installer is not corresponding to the Spanish and Russian. Install this version by the English Installer, and then select Spanish or Russian by the language selection menu.

3. The operability was improved.

4. The between CH to CH calculation function was added.

5. The continuous replay function for same condition of file was added.

   Note: To install this version, remove the previous version GL-Connection by installer, and then install this version.

   (The previous version does not overwrite when this version is installing.)

Version 1.90   ***Release date: May 26, 2017***

- Fixed problem

  1. The GL7000 did not process correctly when timing of stop process was matched with the two units of GL7000s during recoding to the RAM.

  2. The application software was locked when recoding is finishing when the 10 units of GL7000s are recoding with the repeat RAM recoding.

  3. In rare case, the application software was downed when the e-mail function is used with the repeat RAM recoding.

  4. In rare case, the slave side recoding did not perform correctly when the GL7000 connects synchronized with the repeat RAM recoding.

     To solve problem above, the firmware of GL7000 must update to later than V1.52.

- Modification

  1. The transfer speed was upped.

     RAM transfer: about 4 times faster than before

     SD/SSD transfer: about 5 to 10 times faster than before

Version 1.82   ***Release date: November 2, 2016***

- Fixed problem

  1. The trigger alarm could not set correctly. The trigger alarm could not set correctly. (This problem occurred from the version 1.80.)

  2. The trigger repeat interval was not repeated correctly for the GL7000.

  3. The possible recoding time had a few error for the 1 ms, 2 ms and 5ms

sampling speed when the recoding destination set to the SDD module of GL7000 with the relay recording was set to ON.

Version 1.81   ***Release date: July 6, 2016***

- Fixed problem
    1. The Time/DIV button did not work.
    2. Some of help menus were not translated.

Version 1.80   ***Release date: May 11, 2016***

- Modification
    1. Corresponded to the GL240 and the GL840.
       The firmware of GL240 and GL840 must update to later than V1.21, to connect to the GL Connection.
    2. The data transfer function was added for the each RAM Repeat recoding.
    3. The Statistical calculation function was added when the skipped exchanged data is saving.

- Fixed problem
    1. A part of waveform did not display correctly when the data is replayed which was saved to the SSD of GL7000.
    2. The error occurred when the GL900 is recorded by high speed via the Wireless LAN which is on the market.

Version 1.70   ***Release date: January 27, 2016***

- Modification
    1. The import settings and the export settings functions were added.

- Fixed problem
    1. The span setting was hard to set for the distortion sensor mode of DCB module.

Version 1.64   ***Release date: October 7, 2015***

- Modification
    1. Corresponded to the Windows 10.

- Fixed problem

1. The recording could not start correctly when the sampling speed was slower than 1 minute and when more than 2 Terminal Units connected to the GL820.

Version 1.63   *Release date: April 7, 2015*

- Fixed problem
    1. The digit information of scaling did not affect to the GL220/820/900 correctly.
    2. There was miscalculation for the sensor sensitivity on the acceleration module of GL7000.
    3. Sometimes the System error occurred when the Tab was deleted.

Version 1.62   *Release date: November 19, 2014*

- Modification
    1. Corresponded to the file relay function of GL7000. (The new file is created when the recoding file size becomes bigger than the 2GB.)
    Note: The firmware of GL7000 has to update to version 1.45 to use this function.

- Fixed problem
    1. The FFT was not displayed correctly when the strain sensor was connected.
    2. The scaling inputting was not correct when the GL220 or the GL820 was connecting.
    3. The setting of GL-Connection was initialized when the logger was disconnected from the GL-Connection, which is the file destination and the mail setting saved only on the PC mostly.

Version 1.61   *Release date: September 10, 2014*

- Fixed problem
    1. The polarity of digital value did not display correctly for the strain gauge when the polarity reversal function was set to ON.

Version 1.60   *Release date: April 23, 2014*

- Modification
    1. Operation of value and character input in the setting menu was improved.
    2. Visibility was improved when the sampling was changed.
    3. The data point and the pre-trigger point became set in the recording time when it is recording to RAM.

4. Visibility of waveform was improved.
5. Visibility of scaling was improved. The zero point is displayed always.
6. Visibility of Y-T time display was improved. Absolute time and relative time is able to change when waveform is displaying by Y-T mode.
7. The data binding function was added in the file operations.
8. Visibility of channel display was improved. The channel display became set by annotation function.
9. The scaling setting was improved. The decimal point position can input.
- Fixed problem
   1. The pen number did not display when the monitor display was not displayed at the Y-T waveform mode.

Version 1.50   *Release date: January 17, 2013*

- Modification
   1. Corresponded to the GL900.
      The firmware of GL900 has to be later than 3.01 when the GL900 is connecting.
   2. The auto span adjustment function was added.
   3. The maximum and the minimum cursor movement function were added.
   4. The popup menu of AMP information was added.
- Fixed problem
   1. The scale was displayed incorrectly when the data is replaying from the internal memory that recorded by the strain sensor mode.

Version 1.40   *Release date: July 17, 2013*

- Modification
   1. Corresponded to the DCO AMP module.
      The firmware of GL7000 has to be later than 1.40 when the DCO AMP module is used.
   2. Corresponded to the GL220 and the GL820.

Version 1.30   *Release date: May 15, 2013*

- Modification
   1. Corresponded to the CHA AMP module.
      The firmware of GL7000 has to be later than 1.30 when the CHA AMP module is used.

Version 1.20   *Release date: April 10, 2013*

- Modification
    1. Corresponded to the DCB AMP module.

       The firmware of GL7000 has to be later than 1.20 when the DCB AMP module is used.
    2. Corresponded to the FFT function.
    3. Corresponded to the X-Y replay function.

Version 1.11   *Release date: February 6, 2013*

- Fixed problem
    1. The each data of measuring time was not matching with the time of between cursor and cursor sampling data when it was saved by the CSV format.
    2. The TC-K was displayed for the type of thermocouple when the GBD/CSV data transferred from the GL7000 to PC.

Version 1.10   *Release date: January 17, 2013*

- Modification
    1. Corresponded to the HV AMP module.

       The firmware of GL7000 has to be later than 1.10 when the HV AMP module is used.
- Fixed problem
    1. The sampling interval was not changed when the thinning function was used.
    2. The correct waveform was not displayed at the GL-Connection when connected GDB data file of SSD module.
    3. Sometimes the trigger time became incorrect when the trigger function is set except "OFF".
    4. Sometimes the data of stopped time became incorrect time when file-connecting function was used.

Version 1.02   *Release date: October 31, 2012*

- Fixed problem
    1. The alarm e-mail function of CC address did not work correctly when the alarm occurred.
    2. The check box of alarm e-mail function was not checked when the alarm e-mail function is enabling after recording is finished when reconfirming the

check box of alarm e-mail function.

3.   Sometimes the alarm data and the non-alarm data were sent by the alarm e-mail function.

- Modification

1.   The data transfer speed of internal memory was improved.

Version 1.01   *Release date: August 29, 2012*

- Fixed problem

1.   The separators of CSV became to "N" when the data is converted to CSV at the first run of the GL-Connection.

Version 1.00   *Release date: July 18, 2012*

- Initial version