

Telemetry Log Converter Ver1.9 Software Manual

By using this telemetry log converter software, the log file created with the transmitter corresponding to a telemetry log function is convertible for CSV.

The file of CSV can be opened by software, such as Microsoft Excel.

***Note: The Telemetry Log Converter software is for Windows[®] 10/8/7/Vista/XP use and is not compatible with other OS.**

Ver1.9 Update

This item can now be used.

EM-100 (O.S.ENGINE) Firmware Version 9.11

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Distribution & exemption of liability

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Downloaded Zip file extraction (decompression)

The downloaded **Telemetry Log Converter** software file is a Zip format file. Extract (decompress) this file, the procedure is shown as below.

*Download the **Telemetry Log Converter** software file from your Futaba importer's home page.

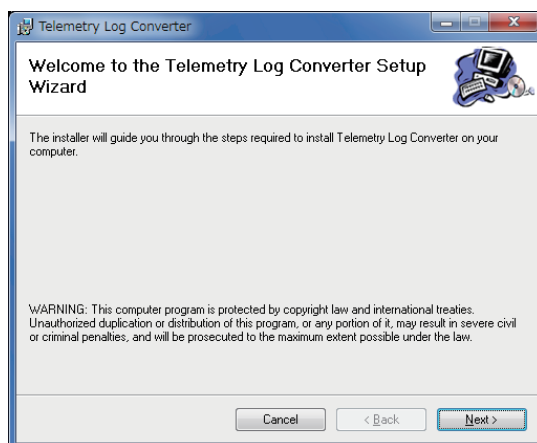
1. Double click the Zip format file to display its contents.
2. Click "Extract all files". The Extraction Wizard launches.
3. Extract (decompress) the Zip format file to the same location as the Zip file storage location.

***Telemetry Log Converter.msi** file and **setup.exe** file are extracted.

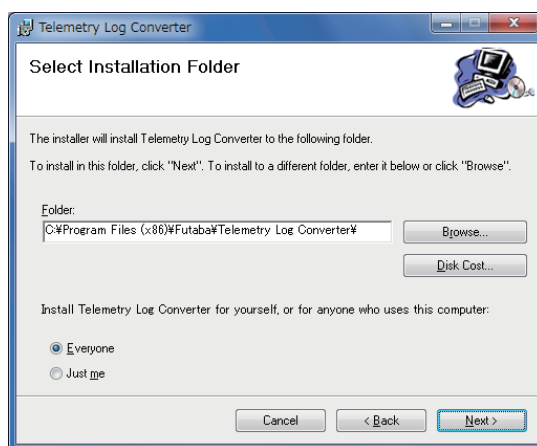
Telemetry Log Converter software installation

Before installing the **Telemetry Log Converter** software, confirm that all other applications are closed. Close all virus check and other resident programs, if any.

1. Double click the EXE file named "setup", and push the "Next" button.

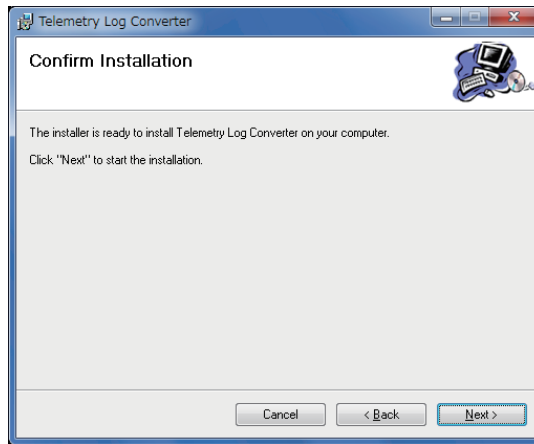


2. Choose the target folder, and push the "Next" button.



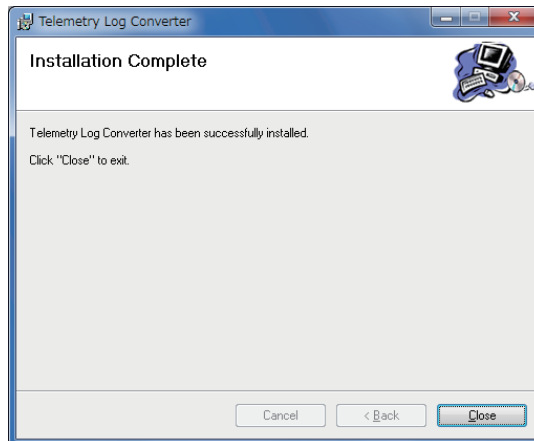
Telemetry Log Converter

3. Push the "Next" button.



4. The install process begins.

5. The installer displays the following after the install process. Push the "Close" button.

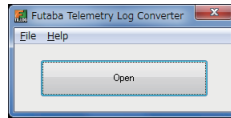


How to use the Telemetry Log Converter Software

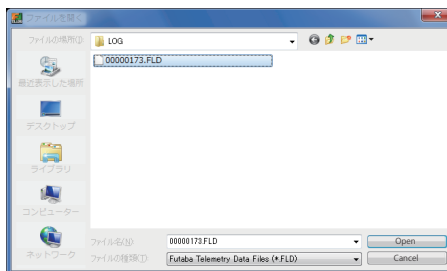
1. Telemetry log file is created with the transmitter corresponding to a telemetry log function.

(Please read the manual of a transmitter about the creation method of a log file)

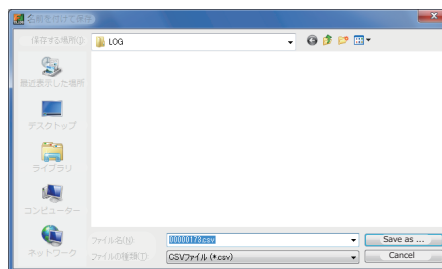
2. Telemetry log file is started.
3. "Open" is pushed.



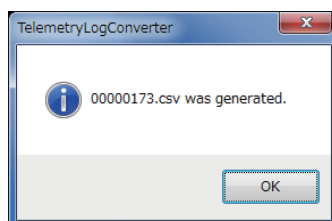
4. Telemetry data file (.FLD) is opened.



5. Choose a destination folder and input a filename.



6. Completion of conversion will display the next screen.



Converter File

(The contents of a converter file)

1. The record time of data
2. Each channel signal of a transmitter
3. Slot number
4. The type of sensor
5. Telemetry data

< The example of a conversion file >

TIME	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16	RECEIVER BATTERY	RECEIVER EXTERNAL	TEMPERAT	ALTITUDE	ALTITUDE SENSOR	VARIOMETER
0	0	0	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	---	24	0	0	0
115	0	0	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
157	0	0	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
200	0	0	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
237	0	0	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
279	0	0	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
342	0	5.1	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
374	0	6.3	0	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
416	0	15.2	0.7	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	1	0	0
489	0.1	22.6	5.7	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.8	3.1	24	0	0	0
511	0	33.8	17.4	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.9	3.1	24	0	0	0
553	0	41.5	25.6	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.9	3.1	24	0	0	0
639	0	65.6	49.4	0	-100	-0.9	0	0	0	0	0	0	0	0	0	0	4.9	3.1	25	-1	-1	-1

The record time of data

Unit : ms (1/1,000sec)

*Although an interval is set up with a transmitter, since record time is moved slightly according to conditions, there are a set period and a difference.

Each channel signal of a transmitter

Unit : % Neutral → 0%

Telemetry data

The type of sensor

R	S	T	U	V	W
0	0	1	3	3	
RECEIVER BATTERY	RECEIVER EXTERNAL	TEMPERAT	ALTITUDE	ALTITUDE SENSOR	VARIOMETER
4.8	---	24	0	0	
4.8	3.1	24	1	0	
4.8	3.1	24	1	0	
4.8	3.1	24	1	0	
4.8	3.1	24	1	0	
4.8	3.1	24	1	0	
4.8	3.1	24	1	0	
4.8	3.1	24	1	0	
4.8	3.1	24	0	0	
4.9	3.1	24	0	0	
4.9	3.1	24	0	0	
4.9	3.1	25	-1	-1	

Slot number

The type of telemetry data

Telemetry data

Converter File

(The contents of a converter file)

1. The time of the data recorded
2. Each channel signal from the transmitter
3. Slot number
4. The type of sensor
5. Telemetry data

Applicable Telemetry Sensor

Futaba

Telemetry Receiver	Receiver battery voltage	
Telemetry Receiver	EXT Receiver battery voltage	
SBS-01T	Temperature sensor	
SBS-01TE	Temperature sensor (for electric models)	
SBS-01V	Voltage sensor	
SBS-01RB	RPM sensor (for brushless motor)	
SBS-01RO	RPM sensor (Optical type)	
SBS-01RM	RPM sensor (Magnet type)	
SBS-01A	Altitude sensor	
SBS-01G	GPS sensor	
SBS-01S	S.BUS 2 servo sensor	V1.2 ~
SBS-01C	Current sensor	V1.3 ~
SBS-02A	Altitude sensor	V1.3 ~
SBS-01TAS	Airspeed sensor	V1.5 ~
SBS-02G	GPS sensor	V1.6 ~
MC970CR	Motor controller	V1.6 ~
MC-980H/A	Motor controller	V1.8 ~
MC-9130H/A	Motor controller	V1.8 ~
MC-9200H/A	Motor controller	V1.8 ~

Other manufacturers

Robbe F1675	
Robbe F1712	
Robbe F1672	
Robbe F1678	
PowerBox	V1.2 ~
Jetcat	V1.2 ~
KONTRONIK Kosmik	V1.2 ~
ROXXY	V1.2 ~
Castle TL0	V1.4 ~
EM-100	V1.5 ~
Hobbywing	V1.8 ~
Scorpion	V1.8 ~

Notes

Log file

- Log files are created in the "LOG" folder of the SD card. Two files with the same file name but different extensions are created. (Example: 00001234.FLI, 00001234.FLD)
- Extension FLI: Slot allocation information file
- Extension FLD: log data file
- When copying or moving log files, be sure to select both .FLI and .FLD files.
- Log files can be converted to CSV format with the telemetry log converter published on our website.

Altimeter

- Altimeter altitude data, GPS distance and altitude data are output based on the point when the log is started (0 m). If the transmitter preset position and the log start position are different, the transmitter display and the log data display will differ. If you log start immediately before takeoff, you can record the altitude and distance from the takeoff position.

RPM

- The RPM log data does not reflect the transmitter gear ratio, motor pole number or fin number setting. It is necessary to calculate the gear ratio, the number of motor poles, and the number of fins in the RPM data.

Unit

- Distances and speeds etc. are always recorded in metric regardless of unit setting of a transmitter.
- Temperatures are also recorded in degrees Celsius.