

EMP Service Suite 2021A Included Versions

- **EMPower Connect** 1.6.0.1139 (updated)
- **EMProgram** 2019.6.3.9 (updated)
- **EMP Simple Tool (OK6)** 2016.2.29.0
- **EMP License Utility** 1.3.3.0
- **EMP DLA (RP1210) Chooser** 1.8.0.0
- **EMP History Analysis Tool** 2021.01.26.0 (updated)
- **EMP Datalog Analysis Tool** 2019.12.04.0

EMPower Connect

ID	Description
	Documentation updates.
EC-158	Improved warning for elevated license expiration.
EC-155	Fix: Software part number not reading correctly for some calibrations.
EC-156	Improved information when RP1210 device not selected.

EMProgram

ID	Description
EM-65	Fix: Error programming older 2010 TMC calibrations.

EMP History Analysis Tool

ID	Description
HAT-53	Improvements to diagnostic code information.

EMP Service Suite 2020B Included Versions

- *EMPower Connect* 1.6.0.1131 (updated)
- *EMProgram* 2019.6.3.8
- *EMP Simple Tool (OK6)* 2016.2.29.0
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 1.8.0.0
- *EMP History Analysis Tool* 2019.09.16.0
- *EMP Datalog Analysis Tool* 2019.12.04.0

EMPower Connect

ID	Description
	Documentation updates.
	Include latest support for 2020 System Software.

EMP Service Suite 2020A Included Versions

- **EMPower Connect** 1.6.0.1120 (updated)
- **EMProgram** 2019.6.3.8
- **EMP Simple Tool (OK6)** 2016.2.29.0
- **EMP License Utility** 1.3.3.0
- **EMP DLA (RP1210) Chooser** 1.8.0.0 (updated)
- **EMP History Analysis Tool** 2019.09.16.0
- **EMP Datalog Analysis Tool** 2019.12.04.0 (updated)

EMPower Connect

ID	Description
EC-147	Fix: Vehicle speed displayed incorrectly when preference set to use mph.
EC-148	Updates to diagnostic code descriptions

EMP DLA (RP1210) Chooser

ID	Description
SS-81	Fix: Malformed RP1210 INI files may result in empty list of devices.
	Revert to standard application version numbering.

EMP Datalog Analysis Tool

ID	Description
DAT-41	Updated default template.

EMP Service Suite 2019A Included Versions

- *EMPower Connect* 1.6.0.1117
- *EMProgram* 2019.6.3.8
- *EMP Simple Tool (OK6)* 2016.2.29.0
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 2018.8.22.0
- *EMP History Analysis Tool* 2019.09.16.0
- *EMP Datalog Analysis Tool* 2019.03.14.0

EMPower Connect

ID	Description
EC-137	Update diagnostic code definitions.
	Documentation updates.
	Dashboards added.

EMProgram

ID	Description
	Improvements in keeping fans quiet during system reflash.

EMP History Analysis Tool

ID	Description
HAT-46	Fix issue preventing opening of files for some users with non-standard DateTime formats
HAT-48	Update diagnostic code descriptions

EMP Datalog Analysis Tool

ID	Description
	Updates to exporting CSV files.

EMP Service Suite 2018A Included Versions

- *EMPower Connect* 1.6.0.1095
- *EMProgram* 2017.10.17.1
- *EMP Simple Tool (OK6)* 2016.2.29.0
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 2018.8.22.0
- *EMP History Analysis Tool* 2018.09.20.4
- *EMP Datalog Analysis Tool* 2018.09.26.0

EMPower Connect

ID	Description
EC-115	Fix some dashboards double converting Deg F temperatures.
EC-107	Updated and improved diagnostics display
EC-108	Fix issue with locales that use comma as decimal point.
EC-121	Add better warning for license expiration.
	Documentation updates.
	Dashboards added.

EMProgram

ID	Description
EM-43	Add support for updated Water Pump software.

EMP RP1210 Chooser

ID	Description
SS-48	Add support for multi-channel data link adapters.

EMP History Analysis Tool

ID	Description
HAT-36	Fix diagnostics not displaying for some users
HAT-41	Add support for updated diagnostics.

EMP Datalog Analysis Tool

ID	Description
	Various bug fixes.

EMP Service Suite 2017C Included Versions

- *EMPower Connect* 1.6.0.1014
- *EMProgram* 2017.10.17.0
- *EMP Simple Tool (OK6)* 2016.2.29.0
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 1.6.4.0
- *EMP History Analysis Tool* 2017.01.11.0
- *EMP Datalog Analysis Tool* 2017.08.18.0

EMPower Connect

ID	Description
EC-86	Fix communication failures with TMC controllers on busy CAN buses.
EC-88	Update documentation and CP number information.
EC-92	"New" J1939 CAN Bus Monitor is now the default in the tools menu.
	Dashboards added.

EMProgram

ID	Description
EM-35	Fix calibration failure with some FiL-15 fans.
EM-36	Fix calibration failure with some microTMC controllers.
EM-40	Improvements to reflash times with FiL-11 and FiL-15.

EMP History Analysis Tool

ID	Description
	No Changes

EMP Datalog Analysis Tool

ID	Description
	Fixed graphs not displaying for some foreign customers.

EMP Service Suite 2017B Included Versions

- *EMPower Connect* 1.6.0.988
- *EMProgram* 2017.2.14.4
- *EMP Simple Tool (OK6)* 2016.2.29.0
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 1.6.4.0
- *EMP History Analysis Tool* 2017.01.11.0
- *EMP Datalog Analysis Tool* 2016.03.02.1

EMPower Connect

ID	Description
EC-77	Update documentation and CP number information. Dashboards added.

EMProgram

ID	Description
	Fix: Difficulty reflashing TMC controllers on CAN busses with high bandwidth usage.

EMP History Analysis Tool

ID	Description
	No Changes

EMP Datalog Analysis Tool

ID	Description
	No Changes

EMP Service Suite 2017A Included Versions

- *EMPower Connect* 1.6.0.982
- *EMProgram* 2016.6.30.2
- *EMP Simple Tool (OK6)* 2016.2.29.0
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 1.6.4.0
- *EMP History Analysis Tool* 2017.01.11.0
- *EMP Datalog Analysis Tool* 2016.03.02.1

EMPower Connect

ID	Description
EC-58	Fix: Dashboard gauges not displaying on some computers.
EC-60	Fix: Buttons disabled when EMProgram is launched from the menu to prevent strange operation if buttons clicked while EMProgram in use.
EC-61	Fix: Pressure units not converting properly to psi on dashboard.
EC-64	Task: Documentation updated for some CPs.
EC-59	Improvement: History Data Download while in manual control is now a warning instead of forcing user to cancel manual control.
	Dashboards added.

EMProgram

ID	Description
	No Changes

EMP History Analysis Tool

ID	Description
HAT-32	Fix: Export Partial PDF not working.
HAT-34	Fix: Charts not rendering on some computers.

EMP Datalog Analysis Tool

ID	Description
	No Changes

EMP Service Suite 2016A Included Versions

- *EMPower Connect* 1.6.0.906
- *EMProgram* 2016.2.26
- *EMP Simple Tool (OK6)* 2016.2.29.0
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 1.6.4.0
- *EMP History Analysis Tool* 2016.02.29.1
- *EMP Datalog Analysis Tool* 2016.03.02.1

EMPower Connect

ID	Description
EC-16	Add or updated documentation.
EC-26	Pop-up window to remind user to download history data.
EC-28	Connecting to component controller via CAN show correct interface.
	Simplification of connection options.
	Numerous dashboard additions

EMProgram

ID	Description
EM-11	Application not working after .NET 4.6.1 update.
EM-12	Could not find controller when in boot loader.
EM-1	Better handling when RP1210 DLA is removed unexpectedly.

EMP History Analysis Tool

ID	Description
	Bug fixes and improvements.
	Fixed various CSV export bugs
	Fixed various PDF export bugs
	Corrected sorting of diagnostic times
	Fixed bar label display when opening multiple files

EMP Datalog Analysis Tool

ID	Description
	Fixed imperial units in datalog files being interpreted as metric
	Now allows datalog files with some missing data to be opened

EMP Service Suite 2015A Included Versions

- *EMPower Connect* 1.6.0.820
- *EMProgram* 2015.3.30.12
- *EMP Simple Tool (OK6)* 2.6.3.1
- *EMP License Utility* 1.3.3.0
- *EMP DLA (RP1210) Chooser* 1.6.4.0
- *EMP History Analysis Tool* 1.0.0.1200
- *EMP Datalog Analysis Tool* 1.0.0.1101

EMPower Connect

ID	Description
	Updated documentation for some components/systems.
1035	Add new options for unit preferences.
	Manual control of FiL-11 and FiL-15 fans by user level license.
Other	Numerous dashboard additions

EMProgram

ID	Description
1031	With no DLAs attached, should get error about DLA missing.
1026	Warning to user if EMPower Connect is open when opening EMProgram
825	Unable to program a uTMC when fans are in the calibration.
	General connectivity improvements.

EMP History Analysis Tool

ID	Description
	Bug fixes and improvements.
	Support for full-system history analysis.
	Added support for component history downloads
	Added support for combined system and component history downloads
	Titlebar now displays the current filename or the number of files open
	Change the default open/save dialog preference to 'Last Used' instead of the user's desktop
	C20 histograms are now able to be displayed

EMP Datalog Analysis Tool

ID	Description
	Variables with a constant value are now scaled to 50 instead of 0
	Titlebar now displays the current filename
	Fixed the negative time value on some split datalogs
	Fixed very large values causing the entire series to disappear from the graph
	Various other bugfixes

EMP Service Suite 2014A Included Versions

- *EMPower Connect* 1.5.1.630
- *EMProgram* 1.6.22.1088
- *EMP Simple Tool (OK6)* 2.6.3.1
- *EMP License Utility* 1.3.2.0
- *EMP DLA (RP1210) Chooser* 1.6.4.0
- *EMP History Analysis Tool* 1.0.0.1090
- *EMP Datalog Analysis Tool* 1.0.0.1084

Bug Fixes and Enhancements

EMPower Connect

ID	Description
749	Add user guide to help menu.
738	Fix bug controlling fans with CS20 based Mini-Hybrid® Systems
720	Fix bug communicating with WP29 on CAN bus.
Other	Numerous dashboard additions

EMProgram

ID	Description
742	Handle multiple different fan software on single communication bus.
741	Only search for fans via the TMC when a TMC is found.
729	Fix typo in license message.
751	Only calibrate fans that need calibration.
750	Fix "Group" reflash strategy.

EMP DLA (RP1210) Chooser

ID	Description
724	Support RP1210C naming conventions for devices.

EMP History Analysis Tool

ID	Description
	Bug fixes and improvements.

EMP Datalog Analysis Tool

ID	Description
717	Files longer than 4 hours are now prompted to be split into smaller files.
	Bug fixes and improvements.

EMP Service Suite 2013A Included Versions

- *EMPower Connect* 1.5.0.617
- *EMProgram* 1.5.17.988
- *EMP Simple Tool (OK6)* 2.6.3.1
- *EMP License Utility* 1.3.2.0
- *EMP DLA (RP1210) Chooser* 1.6.3.0
- *EMP History Analysis Tool* 1.0.0.974
- *EMP Datalog Analysis Tool* 1.0.0.967

EMP Service Suite 2012A Included Versions

- *EMPower Connect 1.3.2.330*
- *EMProgram 1.4.3.566*
- *EMP Simple Tool (OK6) 2.6.1.0*

Bug Fixes and Enhancements

EMPower Connect Bugs

ID	Description
369	EMProgram Failure when datalink adaptor power removed.
426	Error 5500 when connecting to CS20 controller.

EMPower Connect Enhancements

ID	Description
1	Better error when RP1210 hasn't been setup.
127	Add controller hours to the component controller dash.
146	Add Dashboards for recently developed MINI-HYBRID configurations.
165	Add 500K CAN baud rate support.
253	Remove Tool ID from preferences. This will be available in RP1210 Chooser.
343	Make USB TTL the default selection when choosing a TTL device.

EMProgram Enhancements

ID	Description
115	Make sure Program All button is disabled when appropriate.
272	Better handle error when USB to EMP-Link TTL driver is not installed.
357	Long wait when looking for FIL controllers during system programming and they are not there.
370	Need better indication of calibration failure for the end user.

EMProgram Enhancements

ID	Description
60	Check for compatibility files of final calibrations before proceeding with calibration.
62	Let user choose which device to program if multiple EMP devices are on CAN.
87	Get better error when RP1210 device is not found.