



JMobile V4.5 SP1

Release Notes





JMobile V4.5 SP1 Release Notes

New **features** and **fixes** in JMobile V4.5 SP1.

All items are referenced with their Ticket ID number. This is the number used as reference during development; it uniquely identifies the activity.

V4.5 Last release version number
V4.5 SP1 **Current Service Pack version number**

All items are classified as

Feature: implementation of a new feature

Bug: solution to problems reported by users. Summary may include the CRM case identification number assigned during technical support.

Category	Summary	Ticket ID	Type
Alarms	Corrected behavior with alarms bin files and array index - Case ID: 202105396	JM-18528	Bug
Alarms	Alarm action calling a native page gives a compile error - Case ID: 202200318	JM-18704	Bug
Behavior	Corrected "Failed to load page" error message in specific scenarios	JM-19620	Bug
Behavior	Corrected HMI behavior during update via USB - Case ID: 202007860	JM-18854	Bug
Behavior	Corrected runtime behavior when DBWrite actions are executed and Fast Boot is enabled - Case ID: 202107098	JM-18574	Bug
Behavior	Corrected HMI behavior when printing reports - Case ID: 202106932	JM-18584	Bug
Behavior	Corrected behavior on opening corrupted project - Case ID: 202207445	JM-19747	Bug
Behavior	Corrected behavior when realtime trend widget's curves are attached to indexed tag - Case ID: 202207471	JM-19701	Bug
Behavior	Fixed missing tag update when default user groups have no tags R/W permission - Case ID: 202206509	JM-19592	Bug
Behavior	Corrected Studio behavior after frequent changes of Index Tag - Case ID: 202206317	JM-19573	Bug
Behavior	Fixed sporadic BSP update failure from Manage Target	JM-19631	Bug
Behavior	Corrected some Japanese translation in context menu (spacing options)	JM-19547	Bug
Behavior	Corrected Studio behavior when adding new tag from dictionary to assign in the Indexed Tag Set - Case ID: 202206608	JM-19595	Bug
Behavior	Fixed behavior in custom widgets where parameters used as array index are always treated as 0 - Case ID: 202205845	JM-19498	Bug
Behavior	Fixed Studio behavior when ordering Alias of Indexed Tag Set - Case ID: 202205335	JM-19444	Bug
Behavior	Fixed Studio behavior when a new layer is added	JM-19259	Bug
Behavior	Fixed issue uploading project from panel with "-" character in BSP password - Case ID: 202204133	JM-19239	Bug
Behavior	Corrected Runtime behavior when execute RestoreRecipe with BrowseforFile enabled - Case ID: 202204020	JM-19217	Bug
Behavior	Corrected behavior when changing system time HMI - Case ID: 202202525	JM-19048	Bug
Behavior	Corrected Studio behavior when changing Grid Layout background color of an object into Stack with Grid Layout disabled - Case ID: 202201365	JM-18876	Bug
Behavior	Fixed number format property of numeric field returning to custom value - Case ID: 202200506	JM-18764	Bug
Behavior	Pinch event is decentralized on PDF Viewer - Case ID: 202105480	JM-18431	Bug
Behavior	String Tags are updated twice if value applied is longer than string size - Case ID: 202105175	JM-18187	Bug
Behavior	Corrected behavior when saving projects opened from Upload link on Manage Target	JM-18088	Bug
Behavior	Combo box visualization not working in template page in specific configuration - Case ID: 202103473	JM-17844	Bug
Behavior	Reduced delay in searching runtime in local host when downloading first project	JM-19000	Bug
Behavior	Improved negative values Data Entries - Case ID: 201301350	JM-2695	Bug
Behavior	Corrected studio behavior on first time connecting to Win32 runtime	JM-18865	Bug



Category	Summary	Ticket ID	Type
Behavior	Trial License not working as expected in some computers	JM-19331	Bug
Behavior	Fixed behavior when renaming user galley page - Case ID: 202204471	JM-19293	Bug
Behavior	Time field format in Dump is not respecting with Date format in the action	JM-19500	Bug
Behavior	Support email content in unicode - Case ID: 201900383	JM-14777	Bug
Behavior	Not possible to print from runtime and simulator, Printer Busy error returned - Case ID: 201703786	JM-12468	Bug
Behavior	Corrected behavior in Studio when selecting tag - Case ID: 202006928	JM-17523	Bug
Behavior	Corrected behavior when numeric fields are pressed simultaneously on Multi touch screen - Case ID: 202206708	JM-19611	Bug
Behavior	Corrected behavior after multiple project downloads - Case ID: 202207482	JM-19697	Bug
Behavior	Project slow after unload reload operation in case of Data Transfers - Case ID: 202300191	JM-19772	Bug
Behavior	Corrected Studio behavior in specific projects download - Case ID: 202300319	JM-19890	Bug
Behavior	OnRelease event on physical keyboard sporadically not executed when changing page - Case ID: 202300316	JM-19754	Bug
Behavior	Corrected runtime behavior when printing PDF first time after project download	JM-16718	Bug
Behavior	Corrected slowness in page change - Case ID: 202302464	JM-20032	Bug
CODESYS v3.0	[iPLC3] Check diagnostic function and bits of PLIO03 and PLIO06 board - Case ID: 202206560	JM-19600	Bug
CODESYS v3.0	[iPLC3] Corrected "set_baud_rts.sh" file version - Case ID: 202207285	JM-19746	Bug
CODESYS v3.0	[iPLC3] SetSerialMode function of SerialExt library is not working - Case ID: 202301691	JM-19952	Bug
DataBase	DB connectors also support case-sensitive databases	JM-19975	Bug
JavaScript	Fixed multibyte char (e.g. Japanese String) visualization in embedded JavaScript code, using custom widgets - Case ID: 202105888	JM-18315	Bug
JavaScript	Corrected behavior when page.reject JS command is used into keyboard - Case ID: 202100859	JM-17465	Bug
JM4Web	JM4Web: hex and HEX shows wrong values with negatives values - Case ID: 202203352	JM-17502	Bug
JM4Web	JM4Web: Fixed history trend behavior	JM-18642	Bug
JM4Web	JM4Web: active alarm widget columns alignment	JM-18643	Bug
JM4Web	JM4Web: Fixed Table widget not loading - Case ID: 202300704	JM-19811	Bug
JM4Web	JM4Web: Fixed Word wrap with specific versions - Case ID: 202206958	JM-19736	Bug
JM4Web	JM4Web: removed false positive messages in project validator	JM-19574	Bug
JM4Web	JM4Web: Fixed Legacy Alarm History widget custom fields visualization in 4.5 - Case ID: 202203229	JM-19654	Bug
JM4Web	JM4Web: Fixed font type and size graphic issues after conversion - Case ID: 202206958	JM-19636	Bug
JM4Web	JM4Web: Button Fill color with formula not working	JM-19627	Bug
JM4Web	JM4Web: Screen is stuck when performing multiple login with specific users - Case ID: 202204801	JM-19539	Bug
JM4Web	JM4Web: Canvas Auto Clear Background does not work - Case ID: 202205964	JM-19523	Bug
JM4Web	JM4Web: Fixed Color Palette when Old button is pressed - Case ID: 202205586	JM-19475	Bug
JM4Web	JM4Web: corrected number format issues in displaying hexadecimal formats	JM-19474	Bug
JM4Web	JM4Web: Fixed behavior while writing Index property of combo box	JM-19375	Bug
JM4Web	JM4Web: Correction in Computation of Min and Max values	JM-19334	Bug
JM4Web	JM4Web: Fixed misalignment between native and web pages on trend cursor value - Case ID: 202204654	JM-19319	Bug
JM4Web	JM4Web: Fixed Label font size behavior - Case ID: 202205526	JM-19473	Bug
JM4Web	JM4Web: Fixed wrong index value showing for ML enabled non continuous index message widget	JM-19204	Bug
JM4Web	JM4Web: values are not displayed in table widget - Case ID: 202204756	JM-19360	Bug
JM4Web	JM4Web: Corrected Start time and end time in every widget with page duration	JM-18898	Bug
JM4Web	JM4Web: Old style table filter is not working fine when connected to combo data	JM-18602	Bug



Category	Summary	Ticket ID	Type
JM4Web	JM4Web: Different behavior in scatter diagram refresh between panel and web page - Case ID: 202200225	JM-18848	Bug
JM4Web	JM4Web: Not able to login to browser if force remote login disabled	JM-18710	Bug
JM4Web	JM4Web: Fixed dynamic set naming for AddRecipeDataSet action - Case ID: 201903227	JM-15220	Bug
JM4Web	JM4Web: Widget Permission at Page Level works differently in web project - Case ID: 202100178	JM-17371	Bug
MQTT	Corrected behavior in reading arrays from MQTT	JM-18424	Bug
MQTT	MQTT TLS version is inherited from Generic Broker configuration - Case ID: 202101584	JM-17558	Bug
MQTT	MQTT port is added twice in MQTT config in AWS	JM-18600	Bug
MQTT	Corrected runtime when empty message is pushed on Retain enabled topic	JM-19630	Bug
Multilanguage	Multilanguage Import of CSV file does not find any file if language is Japanese - Case ID: 202104734	JM-18106	Bug
Multilanguage	Error handling for unsupported writing system choices is not working	JM-19869	Bug
Protocols	[S7ET] Extended size of data blocks for optimization	JM-19707	Bug
Protocols	[MIFE] Extend size of data blocks for optimization on word registers. Fix wrong maximum size on bit registers	JM-19706	Bug
Protocols	[ETIP] Symbols with parameter "Usage := Public" are not imported from Linear importer - Case ID: 202206399	JM-19593	Bug
Protocols	[ETIP] Added UINT Datatype for Logix 5000 - Case ID: 202206399	JM-19581	Bug
Protocols	[OPCU] Symbols discovery does not work for device connect using Port Forwarding - Case ID: 202203522	JM-19146	Bug
Protocols	[OPCU] Corrected reconnection in case of communication error - Case ID: 202201223	JM-19062	Bug
Protocols	[OPCU] Using PLC Network when Slave 2 goes offline and online again communication is not reestablished - Case ID: 202202088	JM-19006	Bug
Protocols	[BEAD] Fixed behavior when importing dictionary using Filter "HMI" - Case ID: 202106125	JM-18372	Bug
Protocols	[MODR] protocol fails to start in specific scenario - Case ID: 202205557	JM-19479	Bug
Protocols	[OMRE] Optimize protocol request to maximize data exchange with plc - Case ID: 202206666	JM-19604	Bug
Protocols	[CDS3] Corrected runtime behavior when loading page with tables and big amount of data - Case ID: 202300418	JM-19897	Bug
Protocols	[CDS3] Optimized datagrams delay when protocol is used in TCP mode	JM-19564	Bug
Recipes	Fixed recipe JS API compatibility issues - Case ID: 202207445	JM-19698	Bug
Recipes	Avoid restore of a new recipe Set with a different number of elements to generate an empty set - Case ID: 202106831	JM-18580	Bug
Recipes	Restore Recipe action of Alarm gives Error Message if number of sets is changed - Case ID: 202005132	JM-16857	Bug
Recipes	Recipe download not working on string when writing special characters - Case ID: 202000612	JM-16125	Bug
Recipes	Add recipe set name does not work with number only or string with dot - Case ID: 202000522	JM-16075	Bug
Recipes	Recipe import in project or panel does not return any warning if set name is a number - Case ID: 201602531	JM-10668	Bug
Remote Clients	Improved client behavior in case of network disconnection - Case ID: 202200801	JM-18838	Bug
Remote Clients	Fixed behavior when executing data transfer on Client System Variables	JM-19644	Bug
Remote Clients	X5 - Add "Number of Connected Station" in System Variable when device is configured like Access Point - Case ID: 202206981	JM-19638	Bug
Remote Clients	Client shows blue question mark icons on Tag at first time load page when Client system variable protocol is configured - Case ID: 202202469	JM-19011	Bug
Remote Clients	HMI Client application doesn't store fullscreen option - Case ID: 202202897	JM-19082	Bug
Remote Clients	GetTag on specific array element not working on PC Client - Case ID: 202301806	JM-19981	Bug
Security	Fixed login capability for not authorized users in client	JM-19813	Bug
Security	TabBarWgt action security will be erased after modifying configuration - Case ID: 202204224	JM-19253	Bug
Security	Fixed Audi trail Signature for knobs and sliders - Case ID: 202000211	JM-16030	Bug
Security	Fixed Audit trail Signature with Buttons, Switches or Alias when writing Tag - Case ID: 202007003	JM-17131	Bug



Category	Summary	Ticket ID	Type
Security	Widget Security Settings are lost when duplicating a page - Case ID: 202003639	JM-16613	Bug
Security	Load page from Switch user returns error if page name contains a dot - Case ID: 202000823	JM-16164	Bug
Security	Studio cannot keep stored 'admin' password of HMI; Enter Dialog will be always asked before a project download on PC with OS Win10 and Win7 - Case ID: 202103666	JM-18866	Bug
Simulator	Fixed simulator behavior when using Japanese chars in file path with JP OS - Case ID: 202205388	JM-19452	Bug
Tags	PLCM10/PLCM11/PLC12/PLCM10B - Common system Variables to be used for all variants	JM-19357	Bug
Tags	Improvements in Tag editor when Alias is set in protocol - Case ID: 202106722	JM-18485	Bug
Tags	Tag editor Scaling problems when entering scaling factors with decimal point - Case ID: 202006810	JM-17085	Bug
Tags	Live Tag of Multi size array generate an invalid Tag reference - Case ID: 202006811	JM-17081	Bug
Tags	GNSS State System variables shows always State 0 even when we receive a GPS signal - Case ID: 202204154	JM-19332	Bug
Tag	Corrected Studio behavior after deleting Tag mapped in Audit Trail - Case ID: 202207069	JM-19692	Bug
Tag	Error in retentive memory automatic space calculation for array data types - Case ID: 202301524	JM-19963	Bug
Trends	Using 1/10 s time sampling it is not accurate in PC runtime - Case ID: 202205550	JM-19464	Bug
User Interface	Corrected Copy/Paste behavior in Tag Editor - Case ID: 202300635	JM-19808	Bug
User Interface	Fixed "CTRL+S" shortcut so Save All in Tags and Protocols tabs	JM-19648	Bug
User Interface	Fixed double-click on Tag not acquired with full name if original importing was done with hierarchical mode - Case ID: 202202561	JM-19022	Bug
User Interface	"Canc" shortcut from Object View does not work for layers of Stack widget - Case ID: 202202530	JM-19018	Bug
User Interface	Fixed Writing System using Japanese or Chinese language - Case ID: 202103800	JM-17906	Bug
User Interface	Drag and drop widget from Gallery after "copy with drag" position widget in wrong place	JM-17766	Bug
User Interface	Removed the wrong empty line inside "Data Format" combobox of Regional Settings	JM-19853	Bug
Widgets	Fixed missing update tags in stack widget when executing Switch user and logout to default user - Case ID: 202206509	JM-19591	Bug
Widgets	Adjusted BrowseMedia dialog for small display size	JM-19625	Bug
Widgets	Corrected behavior when stack widget contains 5 layers and nested 5 stacks - Case ID: 202205137	JM-19423	Bug
Widgets	Fixed "Draw Hint" property in native project - Case ID: 202204990	JM-19419	Bug
Widgets	Grid layout enabled inside a stack widget layer does not show in full size before reopening page	JM-19306	Bug
Widgets	Improved first load time of webbrowser widget	JM-19227	Bug
Widgets	GridLayout layer of a StackWgt inside a Custom Widget is not correctly resized	JM-19295	Bug
Widgets	When GridLayout is in Edit Mode, if we download the project the GridLayout is shown in Edit Mode at runtime - Case ID: 20222975	JM-19084	Bug
Widgets	Fixed ComboBox list items duplication after switching between continuous and non-continuous index mode - Case ID: 202206279	JM-19021	Bug
Widgets	Stack widget does not deactivate tags in empty layers - Case ID: 202105396	JM-18531	Bug
Widgets	BACnet alarms considers the timestamp of the Alarm as UTC - Case ID: 202105523	JM-18243	Bug
Widgets	Messages and label inside nested Custom Widget get lost - Case ID: 202203844	JM-19252	Bug
Widgets	Boolean BACnet scheduler widget does not show and write properly default value - Case ID: 202202599	JM-19134	Bug
Widgets	Fixed delay when load the page with Table widget - Case ID: 201907610	JM-15981	Bug
Widgets	Labels on Custom Widget replace special character with "?" - Case ID: 202203572	JM-19156	Bug



Category	Summary	Ticket ID	Type
Widgets	Corrected sporadic missing video at project download	JM-19287	Bug
Widgets	Combo box shows wrong text when Negative value is present in the index - Case ID: 202300517	JM-19782	Bug
CODESYS v3.0	[iPLC3] MiscCommands: add command to set network parameters of a network interface	JM-19430	Feature
CODESYS v3.0	[iPLC3] Make PLCM10 variables available	JM-18904	Feature
CODESYS v3.0	[iPLC3] Integrate CODESYS Profinet Device license (PN-Device stack)	JM-19607	Feature
Gallery	Improve gallery filter allowing to find even the category-subcategory	JM-18755	Feature
Generic	Added Epoch and ISO8601 standard date and time format - Case ID: 202105048	JM-18436	Feature
Generic	Option to upload dynamic files when uploading project - Case ID: 202004989	JM-17146	Feature
Generic	Added ability to backup/restore FRAM data from Manage Target	JM-19567	Feature
Generic	Added the possibility to use the local help as an alternative to the online version	JM-19058	Feature
JM4Web	JM4Web: Added support to change EditBox (keypad) widget frame color	JM-19437	Feature
JM4Web	JM4Web: Add "Style" property to Line widget	JM-19506	Feature
JM4Web	JM4Web: Restore Recipe with restore type MatchandAdd does not work in case of wrong restore file - Case ID: 202203992	JM-19280	Feature
JM4Web	JM4Web: avoid showing authentication token in the URL	JM-17237	Feature
JM4Web	JM4Web: Add support for Date format UTC ISO8601 and epoch - Case ID: 202105048	JM-18509	Feature
JM4Web	JM4Web: Support for Tab widgets	JM-18950	Feature
MQTT	Improved MQTT CA Certificate management form Studio - Case ID: 202007693	JM-17499	Feature
MQTT	Support for MQTT Publish and Subscribe properties for every Groups of Tag - Case ID: 202002746	JM-16474	Feature
Multilanguage	Multilanguage Editor improvements	JM-19007	Feature
Multilanguage	HMI Client multilanguage UI support	JM-16714	Feature
Plugins	Add PDF Viewer option to show the entire page of PDF - Case ID: 202202964	JM-19093	Feature
Protocols	[OPCU] Mask password in protocol configuration	JM-19685	Feature
Protocols	[J193] Added new features for Diagnostic frames (DM1 DM2 DM3 DM4)	JM-19608	Feature
Protocols	[S7ET] Improve importer to accept files ASC and AWL files from other software (different from Step7) - Case ID: 202204011	JM-19230	Feature
Protocols	[OPCUA Server] Add a flag to assign IP address of HMI to IP addresses parameter of certificate - Case ID: 202200110	JM-18723	Feature
Protocols	[OPCUA Server] Support for Tag permission inheritance to the OPCUA Client - Case ID: 202007095	JM-17137	Feature
Protocols	[CDSH] Implement PLC Handler based protocol - Case ID: 201601373	JM-10446	Feature
Protocols	Importer default selection should follow also the combo-box selection of protocols - Case ID: 202103073	JM-17980	Feature
Recipes	Restore Recipe with restore type MatchandAdd does not work in case of wrong restore file - Case ID: 202203992	JM-19216	Feature
Recipes	Ignore added element if Set recipe has been created before addition - Case ID: 202202730	JM-19049	Feature
Recipes	Support for downloading project with elements added in a recipe without deleting the already defined recipe - Case ID: 202106831	JM-18582	Feature
Recipes	Improved import procedure of recipe at design time - Case ID: 202106831	JM-18581	Feature
Recipes	Added Unicode support for recipes - Case ID: 202004602	JM-16784	Feature
Security	Open source software verification (OSS)	JM-19735	Feature
Security	Add "Allow HTTPS Only" on Runtime PC	JM-19206	Feature
Security	Added ability to disable device watchdog from project properties.	JM-19100	Feature
Security	Reviewed default style of User Management pages	JM-19031	Feature
Security	Provide option to remove the certificate from pc runtime	JM-18585	Feature
Security	Open source software verification (OSS)	JM-19735	Feature
Tags	System Variables on PLCM10 for SIM PIN and credentials in case of PAP connection and APN - Case ID: 202106253	JM-18376	Feature
User Interface	Split delete runtime dynamic files into multi options (Trends, Events, Recipes, Scheduler, User Management) - Case ID: 202202732	JM-19045	Feature
User Interface	Refactor of selector and rendering for "Empty widgets"	JM-18619	Feature



Category	Summary	Ticket ID	Type
User Interface	Alphabet and Numeric keypads default style reviewed (improved readability)	JM-19030	Feature
User Interface	Add "replace" button for "Invalid Tag Reference" - Case ID: 201903988	JM-15353	Feature
User Interface	Studio does a double check: if a serial port (com) is just in use by another driver and if a protocol driver support multi-instance - Case ID: 202107520	JM-18606	Feature
User Interface	Dashboard User Interface creation dialog enhancement	JM-18138	Feature
User Interface	Added the command switch "HMI.exe /overwrite" to convert old projects to new versions without asking for confirmation	JM-19789	Feature
Widgets	Browser widget credentials handling with sites with no trusted certificate	JM-19307	Feature
Widgets	Added support to change EditBox (keypad) widget frame color	JM-19304	Feature
Widgets	Improved widget pixel alignment (added compatible alignment mode as project option) - Case ID: 202203216	JM-19125	Feature
Widgets	Improved usability of Stack widget - Case ID: 202200833	JM-18897	Feature
Widgets	Increase the maximum layers for Stack Widget to 20 - Case ID: 202200833	JM-18896	Feature
Widgets	Scatter Chart cursor positioning improvement when position property is attached to Tag - Case ID: 202106277	JM-18419	Feature
Widgets	Improved usability of Stack Widget (lock, multi-selection) - Case ID: 202202693	JM-19034	Feature
Widgets	Added Start Time Filter selection in every widget with Page Duration - Case ID: 202004596	JM-16817	Feature
Widgets	Create custom widget from a single widget - Case ID: 202003044	JM-16523	Feature
Widgets	Add property "Style" to Line widget	JM-8949	Feature
Widgets	Tab/Toolbar graphical review	JM-18613	Feature
Widgets	Chart widgets graphical review	JM-18614	Feature
Widgets	Added Flip properties for Chart widget - Case ID: 202106320	JM-18387	Feature
Widgets	Add support to RTSP & MJPEG protocol in IP Camera widget - Case ID: 201807970	JM-14641	Feature