



JMobile V4.7

Release Notes





JMobile V4.7 Release Notes

JMobile V4.7 release improves software capabilities and adds more features to JMobile Suite, with mention to:

New Interfaces and capabilities in the back-end

- ✓ Database features: new SQLITE connector and easy way to program queries
- ✓ LDAP interface: the possibility to link JMobile users to a central user server
- ✓ MQTT Sparkplug B support

New widgets and graphic enhancements in the front-end

- ✓ New Circular Chart (Polar Chart) widget
- ✓ Blur option for dialog pages
- ✓ Search filter capability in full screen combo boxes
- ✓ Smart responsive and wrap options for text widgets
- ✓ Software keypads now available in web technology
- ✓ Alarm widgets blink coloring enhanced

Enhancements for productivity

- ✓ Support for email attachment linkable to Tag
- ✓ Multilanguage: choose new texts value when adding a language
- ✓ Protocol template added in project wizard

Security features

- ✓ Encryption and Signature for Update Package
- ✓ Added option for permanent lock for too many login attempts

XPLC integration and new protocols for more connectivity:

- ✓ Support for XPLC
- ✓ XPLS protocol integration (to communicate with EXOR XPLC runtime)
- ✓ Support for Siemens TIA 20 protocol
- ✓ Omron Host Link protocol (available on demand)
- ✓ Telem TSX protocol (available on demand)

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

V4.5 SP2	Last release version number (full version: 4.5.2.544)
V4.7	Current service pack version

Item types 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 (format can be either Case ID: xxx or EXORINTTS-xxx)
CVE:	Correction of known vulnerability in term of cyber security (common vulnerabilities and exposures)



Category	Summary	Ticket ID	Type
Actions	Syntax error in Dump and Save event archive actions interface	JM-18788	Bug
Actions	SaveEventArchive() Custom Period Mode Ignores periodTo Tag - Case ID: 202503270	JM-21802	Bug
Alarms	Active alarm widget doesn't work properly with fastboot enable - Case ID: 202503447	JM-21837	Bug
Alarms	Alarm data inside custom field not visible when fastboot is enabled - Case ID: 202500996	JM-21619	Bug
Alarms	JM4Web: Align indexing in the "Alarm History Table" to match provided filter criteria	JM-21517	Bug
Alarms	Fixed alarm coloring issue after closing and reopening the project - Case ID: 202500269	JM-21457	Bug
Alarms	Wrong Live tags on alarm buffer if tag is not present in actual page - Case ID: 202401220	JM-20853	Bug
Alarms	Download without selection on Binary Format, cause dump file without live tags - Case ID: 202400295	JM-20694	Bug
Alarms	Alarms are not properly ordered in studio columns - Case ID: 202104154	JM-17974	Bug
Behavior	Fixed "password expired" message when time zone is not default - EXORINTTS-236	JM-21926	Bug
Behavior	Fixed boot behavior of XA5 on BSP 4.1	JM-21914	Bug
Behavior	Corrected runtime PC display behaviors - Case ID: 202402442	JM-21740	Bug
Behavior	Fixed Studio Behavior when attempting to change multiple entries in multilanguage settings - Case ID: 202405337	JM-21445	Bug
Behavior	Fixed table initialization issue when data are filled by JavaScript - Case ID: 202400795	JM-20759	Bug
Behavior	Fixed runtime behavior opening a specific page for the second time - Case ID: 202501810	JM-21689	Bug
Behavior	Fixed runtime behavior when changing the negative value on multistate image	JM-20298	Bug
Behavior	Fixed runtime behavior when closing dialog following recipe download - Case ID: 202401961	JM-20990	Bug
Behavior	Corrected runtime behavior when entering Dialog containing a custom widget - Case ID: 202400104	JM-20657	Bug
Behavior	Keep stored for password not working in some scenarios - Case ID: 202304181	JM-20497	Bug
Behavior	Fixed behavior on modal dialog displayed in wrong size - Case ID: 202500163	JM-21454	Bug
Behavior	Runtime positioning of dialog pages doesn't work on Wayland - Case ID: 202401172	JM-20882	Bug
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Behavior	Getting LMX error while opening studio from a user having name with special character - Case ID: 202303242	JM-20140	Bug
Behavior	Fixed color palette getting lost after editing datalink property - Case ID: 202100744	JM-17435	Bug
CODESYS v3.0	RS485 communication not working in Codesys starting from BSP 3.1.535 - Case ID: 202503100	JM-21799	Bug
CODESYS v3.0	Fixed dump trend action causing issues in ethercat communication - Case ID: 202501226	JM-21635	Bug
Corvina	Fixed memory issue when Corvina interface is enabled but not sending data - Case ID: 202501045	JM-21551	Bug
DataBase	Database query with Nvarchar will return strange char - Case ID: 202301812	JM-19971	Bug
Generic	Adjusted key mapping for X7 and X10 - Case ID: 202501834	JM-21658	Bug
JavaScript	Script not working after project conversion - Case ID: 202501210	JM-21592	Bug
JavaScript	Fixed behavior with intense use of JavaScript causing "Faulting module name: Qt5Script.dll" error - Case ID: 202501241	JM-21586	Bug
JavaScript	JM4Web: fixed behavior after project conversion - Case ID: 202500608	JM-21561	Bug
JavaScript	JM4Web: fixed project.setTag() function on string types - Case ID: 202501089	JM-21553	Bug
JavaScript	Tag attached to JavaScript Function Block becomes undefined after log in - Case ID: 202200913	JM-18826	Bug
JavaScript	JM4Web: numeric field number format and keypad properties has wrong JavaScript references - Case ID: 202403820	JM-21264	Bug
JavaScript	JM4Web: return true on field onDataUpdate does not work on web pages - Case ID: 202403364	JM-21176	Bug
JavaScript	Visual overlap of Project JS Function Blocks after ID change (refresh issue) - Case ID: 202502425	JM-21702	Bug
JM4Web	JM4Web: Fixed behavior when exiting page with PLCM10 related tags - Case ID: 202503731	JM-21854	Bug
JM4Web	JM4Web: Web project not generated in case of undefined SVG - Case ID: 202503135	JM-21828	Bug
JM4Web	JM4Web: bargraph not correctly displayed if Type property is set to vert image clip or horizontal image clip - Case ID: 202503157	JM-21789	Bug
JM4Web	JM4Web: bargraph not visible on web when "type" is set to "vert image clip" or "horizontal image clip" - Case ID: 202502390	JM-21705	Bug
JM4Web	JM4Web: Error message this.sysProp[b].toDate is not a function after reload of the webpages - Case ID: 202502407	JM-21699	Bug
JM4Web	JM4Web: Fixed word wrap behavior in message widget - Case ID: 202501859	JM-21651	Bug



JM4Web	JM4Web: fixed return value of project.setTag() with forceWrite set to true - Case ID: 202500608	JM-21608	Bug
JM4Web	JM4Web: fixed wordwrap behavior in numeric widget - Case ID: 202501060	JM-21571	Bug
JM4Web	JM4Web: optimized behavior when tags are connected to custom widget - Case ID: 202301230	JM-19958	Bug
JM4Web	JM4WEB - Decimal digits not applied if set to 0 (introduced) - CaseID: 202503574	JM-21842	Bug
JM4Web	JM4Web: Not possible to use date time wgt attached to a tag - Case ID: 202501018	JM-21550	Bug
JM4Web	JM4Web: date and time field with formula generates white page - Case ID: 202404872	JM-21380	Bug
JM4Web	JM4Web: Fixed behavior of disable property of numeric field, overridden by tag permission - CaseID: 202404257	JM-21334	Bug
JM4Web	JM4Web Custom keypad inside web pages does not respect Min and Max properties - Case ID: 202404117	JM-21282	Bug
JM4Web	JM4Web: message text widget inside table and custom widget shows wrong text - Case ID: 202403821	JM-21267	Bug
JM4Web	JM4Web: corrected behavior in rotation property applied to buttons placed in custom widgets - CaseID: 202403705	JM-21259	Bug
JM4Web	JM4Web: fixed gesture area widget behavior - Case ID: 202403549	JM-21233	Bug
JM4Web	JM4Web: corrected button behavior configured on press and release, accessed by iPhone or iPad - Case ID: 202403370	JM-21184	Bug
JM4Web	JM4Web: fixed formula behavior causing page with trend shows error and stop web project execution - Case ID: 202403114	JM-21152	Bug
JM4Web	JM4Web multistate image Display-Fillcolor property is not working - Case ID: 202401958	JM-21048	Bug
JM4Web	JM4Web: Changing web project category at runtime with responsive design causes web server stop - Case ID: 202401567	JM-21005	Bug
JM4Web	JM4Web: different behavior from native about dynamic object - Case ID: 202401746	JM-20968	Bug
JM4Web	JM4Web: corrected keypads gui	JM-20719	Bug
JM4Web	JM4Web: it is possible to write numeric fields on web pages also if are defined as Read Only - Case ID: 202400197	JM-20658	Bug
JM4Web	JM4 Button click does not work as expected (Introduce issue)	JM-20626	Bug
JM4Web	JM4Web: SVG icons not visible in Web pages - Case ID: 202306184	JM-20612	Bug
JM4Web	JM4Web: corrected behavior in table filter	JM-20017	Bug



JM4Web	JM4Web graphic and full inheritance custom widget doesn't work with internal widget datalink - Case ID: 202300953	JM-19961	Bug
JM4Web	JM4Web: corrected behavior after stack widget layer change - Case ID: 202300270	JM-19792	Bug
JM4Web	JM4Web: On embedded JS of CW internal this.function are not always executed - Case ID: 202206662	JM-19605	Bug
JM4Web	JM4Web: History trend MaxY property does not work on web pages - Case ID: 202107184	JM-18576	Bug
JM4Web	JM4Web: on web pages Map to model function is not aligned with native - Case ID: 202105396	JM-18353	Bug
JM4Web	JM4Web: improved keypad entering negative values - Case ID: 202105476	JM-18230	Bug
JM4Web	MQTT Sparkplug B support	JM-17451	Bug
JM4Web	JM4Web: Corrected filters in Trend Table - Case ID: 202100315	JM-17389	Bug
JM4Web	JM4Web: Combobox onDataUpdate inside stack widget will be triggered 2 times on web pages- Case ID: 202305927	JM-20664	Bug
Multilanguage	Adding or removing properties to CW reset the multilanguage text of all copies to default - Case ID: 202501832	JM-21677	Bug
Multilanguage	If a Live Tag is in a Text widget and the Multilanguage is deactivated the Text is not visible in runtime - Case ID: 202003329	JM-16568	Bug
Multilanguage	Corrected behavior when saving imported translations - Case ID: 202402913	JM-21131	Bug
OPC UA	[OPCU] OPC UA Client Tag browse fails returning Application URI mismatch - Case ID: 202305934	JM-21564	Bug
Performance	Optimized time to load and save project in case of many recipe elements - Case ID: 202401897	JM-21003	Bug
Performance	X5-Handheld does not update continuously a free counter value of numeric field. Value stop for a moment - Case ID: 202401688	JM-20956	Bug
Protocols	[XPLS] increase timeout to 10s to allow the protocol to open workspace on MicroEdge Basic target	JM-21979	Bug
Protocols	[S7OP] 64bit variables not correctly import - EXORINTTS-628	JM-21945	Bug
Protocols	[KNX] Add support for complete disable of discovery function	JM-21938	Bug
Protocols	[J193] Protocol return NACK when it receive a PGN 0xFEED (65259) request - EXORINTTS-327	JM-21921	Bug
Protocols	[MODT] Importing with the modbus TCP a .csv file from a DELTA PLC with Delta PLC csv options maps the wrong addresses to the variables - Case ID: 202503184	JM-21801	Bug
Protocols	Protocol importer generate multiple Tags when protocol is changed from single controller to network and the	JM-21756	Bug



	imported Tags contain special characters - Case ID: 202502586		
Protocols	[XPLC] XPLC protocol does not import TIME and DATE Variable in JMobile project - Case ID: 202502712	JM-21741	Bug
Protocols	[KNX] Support of direct connection to devices when discovery service is not available - Case ID: 202502142	JM-21731	Bug
Protocols	[MODT] Improved performance of Modbus RTU encapsulated on TCP - Case ID: 202502216	JM-21693	Bug
Protocols	[S7ET] Strings imported from a .db file can be read from HMI, but the driver goes in error when written - Case ID: 202502156	JM-21685	Bug
Protocols	[S7OP] Anomalous behavior of bools in an imported array - Case ID: 202501993	JM-21681	Bug
Protocols	[BEAD] Import and handling array of strings - Case ID: 202502169	JM-21678	Bug
Protocols	[NM20][NM2K] importer creates tag names including a "," not supported by array elements features	JM-21671	Bug
Protocols	[NM20] REPLY mode on fields in INPUT PGNs does not behave correctly when more fields must be returned	JM-21664	Bug
Protocols	[NM20] Add parameter to override the default Device Class = 120	JM-21624	Bug
Protocols	[MN20][NM2K] Adjust Win32 DeviceName using MAC address	JM-21623	Bug
Protocols	[DSCK] When the token received is longer than 1000 characters the first 1001 characters are discarded - Case ID: 202501259	JM-21593	Bug
Protocols	[S7ET] Fixed importer to load file from TIA Portal V20	JM-21590	Bug
Protocols	[NM2K][NM20] Fixed protocol behavior when REPLY tag is written too early	JM-21589	Bug
Protocols	[XPLS] Fixed importer behavior in Chinese language settings - Case ID: 202501235	JM-21583	Bug
Protocols	[GEE2] Actual driver can't set different slot number of cpu module RX3i on the rack - Case ID: 202501290	JM-21580	Bug
Protocols	[XPLS] Fixed behavior on Type mismatch and fixed string importing - Case ID: 202404932	JM-21576	Bug
Protocols	[S7OP] Solved issue in connecting to more than 10 PLCs - Case ID: 202500955	JM-21545	Bug
Protocols	[CAND] Imported for DBC Option set wrongly to 0 the field Type/Bit size of field - Case ID: 202500850	JM-21544	Bug
Protocols	[CAND] Update driver command to send a frame with Len=0 and RTS bit set on - Case ID: 202500751	JM-21514	Bug
Protocols	[XPLS] Corrected behavior while accessing to array of boolean - Case ID: 202404932	JM-21494	Bug
Protocols	[XPLS] Multiple instances of protocol cause HMI reboot - Case ID: 202404932	JM-21399	Bug
Protocols	[MRTU] Tag array written with index -1 writes random data on register memory - Case ID: 202404665	JM-21357	Bug



Protocols	[OPCU] OPC UA Client protocol does not send data packages and does not communicate when certificates are required - EXORINTTS-660	JM-21955	Bug
Protocols	[XPLC] Add "CodeID" to track version of the software running introducing "ProjectCodeID" variable - Case ID: 202502337	JM-21738	Bug
Protocols	[XPLS] XPLC importer does not expand array of strings - Case ID: 202501085	JM-21555	Bug
Recipes	Wrong data importing recipes with modified regional settings values - Case ID: 202404174	JM-21433	Bug
Remote Clients	When logoff time expires, client doesn't reconnect to default user - Case ID: 202402860	JM-21135	Bug
Security	Updated Libcurl version - DSAC_13645	JM-21739	Bug
Security	Device has high memory usage issues when subjected to valid TCP/IP Packets - DSAC_9746	JM-21657	Bug
Security	Improved stability when device is subjected to Sequence Number Randomness Check in FTP server connection - DSAC-9745	JM-20989	Bug
System Variables	X5 - System Variables "Battery" and "Battery raw" display question mark on handheld project - Case ID: 202502621	JM-21749	Bug
System Variables	Fixed wrong values on GNSS system variables - Case ID: 202404953	JM-21416	Bug
Tables	Error in column override when sorting trend table in descending order - Case ID: 202502096	JM-21686	Bug
Tables	Inside JM4Web project is not possible to scroll table with js or property - Case ID: 202501997	JM-21656	Bug
Tags	Decimal digit doesn't works after executing JavaScript gettag action - Case ID: 202502211	JM-21804	Bug
Tags	Fixed missing protocol alias rename propagation in formulas - Case ID: 202405395	JM-21437	Bug
Tags	Synchronized dictionary information is lost at project reopening - Case ID: 202207028	JM-19650	Bug
Widgets	Media player widget overlaps on the screensaver images - Case ID: 202501108	JM-21579	Bug
Widgets	The customer project freezes after a short span of time when playing an audio media in loop - Case ID: 202501108	JM-21578	Bug
Widgets	Decimal digits property datalink of a numeric field inside a stack widget works only on layer 0 - Case ID: 202403699	JM-21231	Bug
Widgets	Text truncated with custom scrolling, scrolling type pixel - Case ID: 202500510	JM-21626	Bug
Widgets	Fixed specific conversion issue from 4.0 to 4.5 - Case ID: 202500907	JM-21515	Bug
Widgets	Fixed Live Tags refresh issue showing Tag name before Tag value - Case ID: 202404495	JM-21341	Bug
Widgets	Fixed behavior of copying and pasting widget text within a group if custom widget is used - Case ID: 202000958	JM-16157	Bug



Widgets	Items in combo box list cannot be inserted directly edit "List" field property - Case ID: 202301611	JM-19939	Bug
Widgets	Fixed combo box list getting lost when entering string in list property	JM-19931	Bug
Widgets	Linking the messages property to messages of another message widget does not work on language change - CaseID: 202501832	JM-21680	Bug
CVE	CVE-2022-31129 - Moment 2.29.3	JM-21302	CVE
Alarms	Alarm blink review - Case ID: 201304475	JM-7068	Task
CODESYS v3.0	Add CODESYS support on MicroEdge devices	JM-20947	Task
CODESYS v3.0	Include Codesys SP19 runtime	JM-20700	Task
DataBase	JM Database - Automatic push - persistence	JM-21367	Task
DataBase	SQLite DB Connector	JM-19389	Task
Generic	Add support for eX705M and eXware703M devices	JM-21549	Task
Generic	Enable eX200 series panel models	JM-20702	Task
Generic	Support for XA5 box	JM-22026	Task
Generic	Optimize project saving for better GIT handling - Case ID: 202404861	JM-21569	Task
JM4Web	Added a project property, 'Web/Input Type,' which allows selection of keypad types in web projects	JM-21350	Task
JM4Web	JM4Web: smart responsive text for all widgets having text (numeric, label, msgtext)	JM-20080	Task
JM4Web	JM4Web: Added method "project.sha256(str: string): string;" to implement client hash function	JM-19879	Task
JM4Web	JM4Web: Chart widget support	JM-17704	Task
JM4Web	JM4Web: keypads support	JM-17701	Task
JM4Web	JM4Web: Added Support for edit scheduler using scheduler widget - Case ID: 202008162	JM-17306	Task
Macros	Add tag support for mail attachments - Case ID: 201803434	JM-13801	Task
MQTT	MQTT connection with Sparkplug B	JM-17620	Task
Multilanguage	Option to choose if auto filling with the default language, or leaving it blank, any new text translation added to the multilanguage - Case ID: 202500393	JM-21480	Task
Pages	Blur effect for dialog pages	JM-19283	Task



Pages	Signature Dialog reset inside project folder - Case ID: 202303468	JM-20164	Task
Protocols	Easy way to include XPLS protocol in project wizard	JM-20672	Task
Protocols	Added XPLS protocol for XPLC runtime	JM-20670	Task
Protocols	[S7OP] Added support the Siemens G2 series - EXORINTTS-98	JM-21910	Task
Protocols	[OMRC] Omron Host Link protocol for JMobile - Case ID: 202500829	JM-21622	Task
Protocols	[S7OP] [S7ET] Implement support for import from TIA Portal V20 - Case ID: 202405422	JM-21434	Task
Protocols	[OMRC] Omron Host Link protocol for JMobile - Case ID: 202500829	JM-21622	Task
Protocols	[TELX] Telem TSX protocol for JMobile	JM-21598	Task
Security	Added possibility to create update package from command line	JM-20914	Task
Security	Permanent login lock for local users	JM-21719	Task
Security	CR 1.7 - Strength of password-based authentication	JM-19341	Task
Security	Add Max password length option for Users configuration settings - Case ID: 202007003	JM-17135	Task
SQL	TLS support in database links	JM-19422	Task
SQL	Database AutoPush feature	JM-16763	Task
System Variables	Added System Variables to control RGB LED in "X Wired" target - Case ID: 202501834	JM-21673	Task
Widgets	Added support to Send SMS using MicroEDGE with Modem 4G PlugIn	JM-21559	Task
Widgets	Circular Chart Trend widget	JM-21036	Task
Widgets	Search function in full screen combo box	JM-18943	Task