



JMobile V4.5 SP2

Release Notes





JMobile V4.5 SP2 Release Notes

JMobile V4.5 SP2 (Service Pack 2) release from EXOR has scope to:

- ✓ Stabilize the actual version, including bug fixing with general impact
- ✓ Correct many Cyber Security vulnerabilities (CVE)
- ✓ Add support for new EXOR Hardware (eX200 and MicroEdge series)
- ✓ Update and align components versions such as protocols and softPLC

A particular mention to:

- ✓ Update to CODESYS internal PLC version 3.5 SP19
- ✓ Update to support Siemens TIA Portal project to version 19
- ✓ Updated Siemens protocol to connect with more security
- ✓ Added support to import XML symbol file in Mitsubishi iQ/Q/L protocols

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 SP1 Last release version number (full version: 4.5.1.523)
V4.5 SP2 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.
CVE: Correction of known vulnerability in term of cyber security (common vulnerabilities and exposures)

Category	Summary	Ticket ID	Type
Alarms	Improved alarms display time on first page with Fastboot enabled	JM-20715	Bug
Alarms	Using a filter in the history alarm widget and selecting the custom field 1 column doesn't work - Case ID: 202401358	JM-20924	Bug
Alarms	Alarms listed in active alarms widget also if Notify events are all disabled - Case ID: 202304978	JM-20456	Bug
Alarms	When using indexed elements of an array as alarms' Ack Notify they don't behave correctly - Case ID: 202402831	JM-21124	Bug
Behavior	Fixed Studio behavior when opening a specific project with custom widget inside a template - Case ID: 202400994	JM-20796	Bug
Behavior	Improved behavior when installing and uninstalling the Suite - Case ID: 202401562	JM-20930	Bug
Behavior	Corrected behavior when loading a specific project - Case ID: 202304382	JM-20371	Bug
Behavior	Improved Studio behavior when removing a modified page	JM-20266	Bug



Category	Summary	Ticket ID	Type
Behavior	Improved behavior in Client-Server connection when many clients are connected - Case ID: 202303617	JM-20256	Bug
Behavior	Corrected runtime behavior while scrolling alarm, audit or trend table widgets	JM-20227	Bug
Behavior	Not possible to download to target if manual proxy is set on Windows 10 - Case ID: 202300740	JM-19819	Bug
Behavior	Fixed Runtime behavior in specific Windows x86 environment	JM-20878	Bug
Behavior	Fixed HMI Client behavior in specific cases of version mismatch	JM-20837	Bug
Behavior	Fixed false positive watchdog behavior of Runtime PC - Case ID: 202305193	JM-20756	Bug
Behavior	Client loose Server connection after several hours - Case ID: 202306137	JM-20698	Bug
Behavior	HMI client shows blue question marks on specific button inside stack widget - Case ID: 202305932	JM-20606	Bug
Behavior	Fixed Hotspot button click behavior - Case ID: 202305306	JM-20566	Bug
Behavior	Fixed on press and on release button action execution inside stack widget - Case ID: 202305508	JM-20532	Bug
Behavior	Fixed authentication dialog behavior on Client	JM-20495	Bug
Behavior	Fixed runtime behavior when trying to update project with updatePackage - Case ID: 202304834	JM-20442	Bug
Behavior	Fixed runtime behavior with misconfigured tables into a stack widget - Case ID: 202304765	JM-20437	Bug
Behavior	Adding a new PLC/alias within an already defined PLC network may wrongly rename some of the previous tags	JM-20234	Bug
Behavior	Stack widget causes slow page loading with some tag inside - Case ID: 202206975	JM-19716	Bug
Behavior	Fixed wrong dialog position at runtime - Case ID: 202204935	JM-19387	Bug
Behavior	Fixed Studio behavior in case of usage of Checkpoint VPN software - Case ID: 201704847	JM-12611	Bug
Behavior	Rename Tag name not reflected in the table data src widget when we attached with formula - Case ID: 202301500	JM-19837	Bug
Behavior	Corrected behavior of multistate image with no continuous index flag	JM-16871	Bug
Behavior	Corrected Studio behavior after Copy/Paste of indexed Tags	JM-20977	Bug
Behavior	Improved behavior when installing and uninstalling the Suite - Case ID: 202401562	JM-20930	Bug
Behavior	Fixed runtime behavior when curl command is sent - Case ID: 202400576	JM-21069	Bug
Behavior	Fixed sporadic runtime behavior when loading historic alarm data - Case ID: 202303143	JM-20111	Bug
Corvina	Fixed Alarm ack from Corvina after runtime restart	JM-20405	Bug
DataBase	Fixed ODBC connection on 64bit runtime (UN78)	JM-20368	Bug
DataBase	Fixed runtime behavior when DB query is executed from JS and get updated in table put into a dialog page	JM-20099	Bug
DataBase	Read tag get failed only on MariaDB (Win32 runtime)	JM-20634	Bug



Category	Summary	Ticket ID	Type
Generic	Aligned system variables for eX200 series	JM-20888	Bug
Generic	Improved handling of two instances of the same project by alerting the user	JM-20791	Bug
Generic	The filter used on the tags page is permanent at the project level	JM-20751	Bug
Generic	After minimizing the system keyboard in the context menu it's not getting open	JM-20615	Bug
Generic	Improved time to enter into system settings - Case ID: 202304137	JM-20435	Bug
Generic	Fixed offline PC Runtime license activation procedure when PC has no internet connection and many mac addresses - Case ID: 202303973	JM-20289	Bug
JavaScript	Corrected ftpPUT and ftpGET JavaScript functions - Case ID: 202402229	JM-21038	Bug
JM4Web	JM4Web: Fixed web visualization in case of many alarms - Case ID: 202401580	JM-20939	Bug
JM4Web	JM4Web: Combo box not working on mobile browser - Case ID: 202400904	JM-20790	Bug
JM4Web	JM4Web: Responsive design - The button labels are shifting on clicking in automatic script	JM-20128	Bug
JM4Web	JM4Web: Momentary button sometimes remains pressed - Case ID: 202302587	JM-20057	Bug
JM4Web	JM4Web: Trend table widget shows placeholder names in the columns header when no Tag is set	JM-18706	Bug
JM4Web	JM4Web: Corrected translations in Alarm widget state column	JM-17391	Bug
JM4Web	JM4Web: Multiple live tags in the same alarm does not show the right values - Case ID: 202400195	JM-20641	Bug
JM4Web	JM4Web: Fixed field alignment mismatch between Chrome and Chromium - Case ID: 202206958	JM-19821	Bug
JM4Web	JM4Web: Fixed combo-box in web pages from mobile devices - Case ID: 202304539	JM-20370	Bug
JM4Web	SVG stroke line is not visible on web pages - Case ID: 202300315	JM-19815	Bug
JM4Web	JM4Web: Needle of new switch and slider widget not working properly with chrome and Microsoft edge browsers	JM-18020	Bug
JM4Web	JM4Web: Corrected translations in Alarm widget state column	JM-17391	Bug
JM4Web	JM4Web: IP Camera widget behaves differently depending on Web application access if HTTP or HTTPS - Case ID: 202402192	JM-21115	Bug
JM4Web	JM4Web: Fixed filter usage behavior in history alarm widget - Case ID: 202401358	JM-21022	Bug
JM4Web	JM4Web: Fixed Live tag behavior when using message widget with non-continuous index	JM-19989	Bug
JM4Web	JM4Web: Fixed Close dialog action behavior - Case ID: 202300967	JM-19902	Bug
JM4Web	JM4Web: Not possible to enter carriage return in Data Entry - Case ID: 202206747	JM-19667	Bug



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JM4Web	SVG stroke line is not visible on web pages - Case ID: 202300315	JM-19815	Bug
Licenses	Import license not working as expected - Case ID: 202304704	JM-20640	Bug
MQTT	The project may not restart if the restart action is executed while connected to AWS - Case ID: 202304353	JM-20413	Bug
MQTT	Fixed retain feature in AWS/MQTT	JM-20412	Bug
MQTT	Fixed sending messages with AWS/MQTT QoS0	JM-20411	Bug
MQTT	Corrected additional issues on write command sent many times	JM-20167	Bug
MQTT	Corrected issues on write command sent many times - Case ID: 202303121	JM-20103	Bug
MQTT	MQTT Birth Message appears twice, and a data is missing to publish	JM-21064	Bug
Multilanguage	Fixed conversion issues in case of special chars in the project - Case ID: 202301997	JM-19985	Bug
Multilanguage	Import and Save multilanguage texts takes very long time in customer application - Case ID: 202305822	JM-20574	Bug
Multilanguage	Improved error messages in import multilanguage file	JM-20416	Bug
Multilanguage	Fixed various studio translation issues in Japanese language	JM-20100	Bug
OPC UA	OPC UA server export and import shows wrong Encoding type as Latin for the data types	JM-20469	Bug
Protocols	[CDS3] Corrected runtime behavior when loading page with tables and big amount of data - Case ID: 202300418	JM-19897	Bug
Protocols	[CAND] Different CAND ID is update in the same moment sending once of them - Case ID: 202401440	JM-21021	Bug
Protocols	[J193][CAND] when both protocol is used on the same bus that is in BUSOFF some RX data problem was detect - Case ID: 202400654	JM-20820	Bug
Protocols	[J193] Handling PGN with number extended (that contain Node Address) - Case ID: 202400996	JM-20813	Bug
Protocols	[MIQE] Importer cannot import Tags by .csv file generated by GX Works 3 with languages different than English - Case ID: 202400427	JM-20685	Bug
Protocols	[CDSH] [CDS3] Hierarchical import Tag String as string-0 when length is a constant in Codesys program - Case ID: 202400436	JM-20683	Bug
Protocols	Linux devices uses RST command to close TCP connection - Case ID: 202304715	JM-20482	Bug
Protocols	[OMRE] PLC model CP1L does not support write of multiple strings - Case ID: 202304707	JM-20480	Bug
Protocols	[DSCK] Improved behavior of runtime in specific conditions of doCommands - Case ID: 202303603	JM-20470	Bug
Protocols	[IDE3] Tag import creates wrong URI for M memory type tags - Case ID: 202304047	JM-20255	Bug
Protocols	[J193] DTC1 in Alarm J1939 is not more detect after change version - Case ID: 202303852	JM-20200	Bug
Protocols	[OPCU] Enum type variables can be read but not written - Case ID: 202302884	JM-20113	Bug



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Protocols	[KEKV] Wrong register read - Case ID: 202302076	JM-20082	Bug
Protocols	[S7OP] Communication error Tag name not found when importing customer TIA portal project - Case ID: 202302241	JM-20021	Bug
Protocols	Enable HIET and HISE protocols for UN78 - Case ID: 202401299	JM-20887	Bug
Protocols	[KEKV] Fixed reading issue in serial protocol - Case ID: 202401143	JM-20829	Bug
Protocols	[J193] Fixed saving PGN table to a BIN file	JM-20824	Bug
Protocols	[MRTU] Offline algorithm does not work with modbus rtu client - Case ID: 202400822	JM-20782	Bug
Protocols	OPC UA Client -> Connection to the server does not work when DNS hostname validation is selected	JM-20752	Bug
Protocols	[CAND] Fixed long frame sending with NMEA2000 Fast protocol	JM-20695	Bug
Protocols	[NM2K] Fixed various non-compliant behaviors - Case ID: 202306079	JM-20595	Bug
Protocols	[PROD] Make Fail Safe Mode Profibus options, user configurable - Case ID: 202303227	JM-20505	Bug
Protocols	Fixed runtime behavior in case of free running ping protocol - Case ID: 202305193	JM-20487	Bug
Protocols	[KEKV] Fixed access to word variables - Case ID: 202302076	JM-20014	Bug
Protocols	[CAND][CANO][CANH][J193][NM2k][NM20] - Tag sporadically takes on random values from protocol - Case ID: 202401873	JM-21034	Bug
Protocols	[CAND] Different CAND ID is update in the same moment sending once of them - Case ID: 202401440	JM-21021	Bug
Protocols	[OPCU] Override variables not working as expected in OPC UA Client - Case ID: 202401370	JM-20915	Bug
Protocols	[KEKV] Fixed reading issue in serial protocol - Case ID: 202401143	JM-20829	Bug
Protocols	[J193][CAND] when both protocol is used on the same bus that is in BUSOFF some RX data problem was detect - Case ID: 202400654	JM-20820	Bug
Protocols	[J193] Multipacket stops being sent - Case ID: 202402688	JM-21144	Bug
Protocols	[OPCU] Imported string tags have wrong length - Case ID: 202303335	JM-20125	Bug
Protocols	[CDSH] Fixed reconnection issues after communication lost - Case ID: 202401802	JM-21047	Bug
Protocols	[CDSH] Fixed communication issues when going offline and online again - Case ID: 202401931	JM-20984	Bug
Protocols	[CDSH] Fixed reconnection issue in case of PLC network configuration - Case ID: 202403210	JM-21163	Bug
Recipes	Fixed UI for use same choices for existing recipes	JM-20098	Bug
Recipes	Fixed behavior when download recipe is executed on Tag with out of bounds value - Case ID: 202300516	JM-19775	Bug
Security	Additional events logged in the audit trail	JM-19549	Bug



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Security	When creating a new user with specific common parameters in runtime, the user disappears after closing and re-opening the runtime - Case ID: 202400698	JM-21053	Bug
Security	Corrected behavior in loading project when it is encrypted - Case ID: 202401694	JM-20981	Bug
Security	Import users not working from network folder, missing error information - Case ID: 202305018	JM-20481	Bug
Tags	Fixed conversion issue on a scaled Tag - Case ID: 202300821	JM-19827	Bug
Widgets	Fixed behavior of media player widget	JM-20369	Bug
Widgets	Not possible to reach a PELCO IP camera via IP Stream widget	JM-20831	Bug
Widgets	Corrected behavior in formulas operations between 64bit Tags	JM-20966	Bug
Widgets	Linking a project's widget property inside a formula doesn't work - Case ID: 202305509	JM-20871	Bug
Widgets	Parameter reference gets broken when custom widget is copied between projects - Case ID: 202400499	JM-20797	Bug
Widgets	Removed duplicate widget inside gallery - Case ID: 202303170	JM-20105	Bug
Widgets	Numeric field property "Show Thousand Separator" doesn't work for specific values- Case ID: 202206710	JM-19619	Bug
Widgets	Corrected behavior on specific hotspot widget usage	JM-20582	Bug
CVE	CVE-2023-28319 - Curl	JM-20398	CVE
CVE	CVE-2023-27533 - Curl	JM-20396	CVE
CVE	CVE-2022-43551 - Curl	JM-20389	CVE
CVE	CVE-2022-42916 - Curl	JM-20388	CVE
CVE	CVE-2022-40304 - Libxml2	JM-20387	CVE
CVE	CVE-2022-40303 - Libxml2	JM-20386	CVE
CVE	CVE-2022-27782 - Curl	JM-20385	CVE
CVE	CVE-2022-27781 - Curl	JM-20384	CVE
CVE	CVE-2022-27775 - Curl	JM-20383	CVE
CVE	CVE-2022-23308 - Libxml2	JM-20378	CVE
CVE	CVE-2022-22576 - Curl	JM-20377	CVE
CVE	CVE-2021-43317 - UPX	JM-20367	CVE
CVE	CVE-2021-43316 - UPX	JM-20366	CVE
CVE	CVE-2021-43315 - UPX	JM-20365	CVE
CVE	CVE-2021-43314 - UPX	JM-20364	CVE
CVE	CVE-2021-43313 - UPX	JM-20363	CVE
CVE	CVE-2021-43312 - UPX	JM-20362	CVE
CVE	CVE-2021-43311 - UPX	JM-20361	CVE
CVE	CVE-2021-3518 - Libxml2	JM-20359	CVE
CVE	CVE-2021-3517 - Libxml2	JM-20358	CVE
CVE	CVE-2021-22946 - Curl	JM-20348	CVE
CVE	CVE-2020-25696 - PostgreSQL	JM-20346	CVE
CVE	CVE-2020-25694 - PostgreSQL	JM-20344	CVE
CVE	CVE-2019-10744 - lodash	JM-20154	CVE
CVE	CVE-2018-19873 - Qt	JM-20147	CVE
CVE	CVE-2019-9687 - PoDoFo	JM-20146	CVE
CVE	CVE-2022-24785 - Moment.js	JM-20379	CVE



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CVE	CVE-2021-23337 - lodash	JM-20354	CVE
CVE	CVE-2020-8203 - lodash	JM-20347	CVE
CVE	CVE-2019-19956 - Libxml	JM-20339	CVE
CVE	CVE-2019-10744 - lodash	JM-20337	CVE
CVE	CVE-2018-14404 - Libxml	JM-20329	CVE
CVE	CVE-2017-18214 - Moment js	JM-20316	CVE
CVE	CVE-2022-37616 - xmldom	JM-20152	CVE
CVE	CVE-2022-39353 - xmldom	JM-20151	CVE
CVE	CVE-2015-1290 - Qt	JM-20148	CVE
CVE	CVE-2023-23914 - Curl	JM-20145	CVE
CVE	CVE-2022-42915 - Curl	JM-20144	CVE
CVE	CVE-2023-27534 - Curl	JM-20397	CVE
CVE	CVE-2019-9199 - PoDoFo	JM-20340	CVE
CVE	CVE-2018-20751 - PoDoFo	JM-20332	CVE
CVE	CVE-2018-19532 - PoDoFo	JM-20330	CVE
CVE	CVE-2018-12983 - PoDoFo	JM-20328	CVE
Generic	Added new HMI model: eX710MFB	JM-20373	Task
Generic	Added new HMI model: eX710MG	JM-20087	Task
Generic	Added new HMI model: eX200 devices	JM-19460	Task
Generic	Added new HMI model: MicroEdge devices	JM-20088	Task
Generic	System variables to support "MicroEdge" devices	JM-20937	Task
Generic	Option to enable fastboot only in project settings	JM-20580	Task
Generic	Added system variables for X7 and X10 devices	JM-20445	Task
Generic	Added support for new 15 inches HMI from hd to full-hd	JM-20975	Task
Internal PLC	Added support for CODESYS 3.5.19	JM-20375	Task
JM4Web	JM4Web: Avoid long names generation in image file - Case ID: 202303289	JM-20296	Task
Multilanguage	Import of multilanguage texts in messages to match existing languages - Case ID: 202302878	JM-20773	Task
OPC UA	[OPCUA Server] Add Multilanguages Support for Alarm description and custom fields - Case ID: 202106715	JM-18520	Task
Protocols	[MIQE] Add "HEXADECIMAL IO" for XML importer	JM-20764	Task
Protocols	[CDSH] [CDS3] Added support for importing the comments associated with each tag into JMobile	JM-20594	Task
Protocols	[PROD] Make Device ID, Sync and Freeze Profibus options, user configurable - Case ID: 202303227	JM-20176	Task
Protocols	[S7PP] Allow 187k baud rate - Case ID: 202300317	JM-19911	Task
Protocols	[MIQE] Added support for importing Tags from XML files generated by GX WORKS 3 v1.0	JM-19248	Task
Protocols	[S7ET][S7OP] Add support for importer Tia Portal SP19 - Case ID: 202306203	JM-20703	Task
Protocols	[S7ET][S7OP] Add support for importer Tia Portal SP18 - Case ID: 202206565	JM-19719	Task
Protocols	[OPCU] Mask password in protocol configuration	JM-19685	Task
Protocols	[S7OP] Add security settings management - Case ID: 202001593	JM-16423	Task
Tags	System Variables on PLCM10 for SIM PIN and credentials in case of PAP connection and APN - Case ID: 202106253	JM-18376	Task
Tags	Added X7/X10 System Variables: Proximity, Brightness	JM-21000	Task



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Security	Improved "Enable CSRF Token" property documentation – Case ID: 202305298	JM-21179	Task