EXOR

JMobile V4.0

Release Notes

JMobile V4.0 Release Notes

New **features** and **corrections** in JMobile V4.0.
All items are referenced with their Ticket ID number. This is the number used as reference during development; it uniquely identifies the activity.

V2.8 SP1   Previous service pack release version number
V4.0   **Current major release 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
Edge Service	Connection to Corvina Cloud	JM-12854	Feature
Edge Service	MQTT gateway for standard cloud services (Amazon, Azure, others) for JMobile	JM-13899	Feature
Productivity tools and IDE UI	Unified project design	JM-14094	Feature
Productivity tools and IDE UI	Unified design: Project Validator	JM-15339	Feature
Productivity tools and IDE UI	Project View Refactor	JM-13897	Feature
Productivity tools and IDE UI	Regional settings as project properties	JM-12123	Feature
Productivity tools and IDE UI	Delete dynamic files option for UpdatePackage & FRAM cleanup - Case ID: 201705580	JM-12739	Feature
Productivity tools and IDE UI	Live Tag for labels, message, alarm description	JM-12817	Feature
Productivity tools and IDE UI	TargetZoomFactor with an option to work as Fit to screen size	JM-13734	Feature
Productivity tools and IDE UI	Table group widget sorting	JM-14596	Feature
Actions and events	Array Tag index support for actions	JM-8493	Feature
Actions and events	Add "Dynamic" path for all macros related with Dump or Restore	JM-12672	Feature
Alarms	Refactor of Alarm editor and sorting / filtering option	JM-13902	Feature
Alarms	Array Tag index support for Alarms	JM-14661	Feature
Alarms	Alarm Export - Include multilanguage support for Custom Fields	JM-14695	Feature
Alarms	Float Tag data into alarm description, visualization management - Case ID: 201405450	JM-8436	Feature
CODESYS 3.0 (iPLC)	Add support for reading panel serial number using SysTarget Library command - Case ID: 201905444	JM-15605	Feature
Fonts	Convert Tahoma to Roboto in all templates, gallery, keypads, user management	JM-16040	Feature
JavaScript	New JS API to move/copy files	JM-13644	Feature
JavaScript	New JS APIs for add a user, edit a user and delete a user	JM-13871	Feature
JavaScript	New JS API for reading Wireless Modem Status (PLCM09)	JM-14095	Feature
JM4Web	JM4Web: action widget ShowWidget	JM-12689	Feature
JM4Web	JM4Web: support for table widget	JM-12706	Feature
JM4Web	JM4Web: support for audit tables	JM-14104	Feature
Print	Support for audit table format in print reports - Case ID: 201804057	JM-13503	Feature
Print	Support of graphs trends in print reports	JM-13898	Feature
Print	Trends table support in print reports	JM-14017	Feature

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Print	XY Graph support in print reports	JM-14096	Feature
Print	Support for new Active Alarms table format in print reports	JM-14099	Feature
Print	Support for new History Alarms table format in print reports	JM-14100	Feature
Print	Support for generic tables in print reports	JM-14101	Feature
Print	Support for Grid Layout in Print reports	JM-14102	Feature
Protocol	[SCNK] Suconet K Communication Protocol	JM-11067	Feature
Protocol	[CAND] CAN Direct Communication protocol	JM-11488	Feature
Protocol	[BACN] JS API for discovery of Devices and Objects	JM-13126	Feature
Protocol	[IDE3] IDEC Microsmart Communication Protocol	JM-13554	Feature
Protocol	[OPCU] Allow support to namespace index resolution at runtime	JM-13835	Feature
Protocol	Import of dbc file into the Tags (CAN Direct or J1939)	JM-14252	Feature
Protocol	[BACN] BACnet server	JM-14555	Feature
Protocol	[ROBX] Robox Communication Protocol	JM-14644	Feature
Protocol	[CDS3] Enhance protocol data exchange performance - Case ID: 201902580	JM-15384	Feature
Protocol	[DMX5] DMX512 Communication Protocol	JM-15396	Feature
Protocol	[KEKV] Keyence KV Ethernet version	JM-15539	Feature
Protocol	[LENZ] Lenze CANopen Communication Protocol	JM-15553	Feature
Protocol	[CANO] CANopen Communication Protocol	JM-15583	Feature
Protocol	[ETIP] Add Omron NX series to EtherNet/IP PLC models - Case ID: 201906037	JM-15653	Feature
Protocol	[ETIP][S7ET] Enlarge maximum length of write operations for EtherNet/IP CIP protocol - Case ID: 201906295	JM-15725	Feature
Protocol	[CDS3] Add Schneider model in protocol configuration - Case ID: 201906077	JM-15771	Feature
Protocol	[MODT] Add Epson Robot model	JM-15787	Feature
Protocol	[HISE] Enable 4800 baud rate for Hitachi H Serial protocol - Case ID: 201906955	JM-15825	Feature
Protocol	[S7OP] Siemens S7 - Support communication with "optimized blocks"	JM-9392	Feature
Recipes	Possibility to dump and restore a single recipe data set - Case ID: 201801027	JM-13319	Feature
Run time operation	Add quick IP check in context menu	JM-12978	Feature
Run time operation	Add support for write into a specific index of an array Tag, without reading the whole array	JM-14163	Feature
Run time operation	Add ARCSIN, ARCCOS, ARCTAN among default functions available for Formula feature - Case ID: 201808302	JM-14697	Feature
Run time operation	Increase Project size limit to 240MB for Win32 runtime	JM-15677	Feature
Security	Password Parameter should contain the option to have Lower and upper case	JM-13572	Feature
Security	Option to make users inactive	JM-13574	Feature
Security	Protection of Tags in R/W based on user management configuration	JM-13879	Feature
Security	Support for PDF Signed in print reports /CFR 21 Part 11	JM-14097	Feature
Security	Increase number of active users from 50 to 200/500	JM-15861	Feature
System Variables	Add way to manage Wi-Fi settings in JMobile studio - Case ID: 201903560	JM-15269	Feature
System Variables	Add the system variable to control the RGB LED	JM-15721	Feature
System Variables	[SVRB] NFC management for JSmart model	JM-15984	Feature
System Variables	CurLangId and CurLangName as system variable - Case ID: 201400959	JM-7599	Feature
Tag Editor	Filtering of data in table widget & Tag expressions for Attach to…	JM-12636	Feature
Tag Editor	Tags find and rename: search Tags inside the JavaScript code	JM-13388	Feature
Tag Editor	Add scaling parameters in Tag importer, from dictionary	JM-15264	Feature
Tag Editor	Redesign "Tag Scaling" dialog	JM-15588	Feature
Tag Editor	Refactor Tag Editor & filtering option & Change multiple properties of Tags in Tag editor in one STEP	JM-6055	Feature
Trends	Increase sampling rate up to 0.1s for trends and datalogs	JM-10088	Feature

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Trends	Array Tag index support for Trends / Data log	JM-13604	Feature
Trends	Extend Trends to support Alphanumeric Tags up to 8 as length	JM-13622	Feature
Trends	Introduce Title field for trends/datalog	JM-13623	Feature
Trends	Introduce Title field for trends/datalog dump action	JM-13624	Feature
Trends	Extend limits to allows up to 300 Tags and 10k samples for datalog for iMX and PC platforms	JM-13625	Feature
Trends	Increase trend's limits (on Win32)	JM-15391	Feature
Widget	Porting of Scheduler Widget to new table format - Case ID: 201700439	JM-11861	Feature
Widget	Import/Export of items / texts in message widget	JM-12876	Feature
Widget	Add a description field into keyboards - Case ID: 201800342	JM-13218	Feature
Widget	Add support for Min/Max parameters in Scatter Diagram curves - Case ID: 201801092	JM-13282	Feature
Widget	Extend number format property to Scale labels - Case ID: 201801069	JM-13286	Feature
Widget	Array Tag index support for Scheduler	JM-14700	Feature
Widget	Array Tag index support for Actions	JM-14705	Feature
Widget	Option for non-continuous index for MultiState Image - Case ID: 201305985	JM-7352	Feature
Widget	Custom format for Date&Time	JM-7812	Feature
Widget	Provide an option to play video from USB Memory or SD Card - Case ID: 201404845	JM-8331	Feature
Actions and Events	Keyboard buttons long pressure execute action configured into onRelease event - Case ID: 201804616	JM-14083	Bug
Actions and Events	Wrong dialogs position on show dialog action - Case ID: 201907879	JM-15964	Bug
Actions and Events	Action "CloseDialog" executed in ScreenSaver onStart restart the ScreenSaver timer - Case ID: 201502541	JM-9008	Bug
Alarms	Alarm/Event Archive save a copy in .csv file when buffer is full - Case ID: 201804774	JM-14092	Bug
Alarms	Alarm Editor Index of Array Tag disappear when project is converted - Case ID: 201907849	JM-15967	Bug
Audit Trail	Manage target actions logged in Audit Trail contains wrong or unclear informations - Case ID: 201907445	JM-15898	Bug
Client	JMobile Client does not activate Tags when connecting from remote via VPN - Case ID: 201907051	JM-15842	Bug
CODESYS 3.0 (iPLC)	[iPLC] Adding "Voltage (single ended)" option for Analog Input Channel [Ch5..Ch8]. - CaseID: 201904483	JM-15411	Bug
CODESYS 3.0 (iPLC)	Modbus_UDP Codesys 2.3 library hangs PLC - Case ID: 202000543	JM-16112	Bug
Fonts	Font missing error shows even though the fonts are available in the system folder - Case ID: 201904917	JM-15492	Bug
JavaScript	Fatal error using a for cycle in JS execute on touch button – Case ID: 201906730	JM-15790	Bug
JM4Web	JM4Web: Only when boolean Tag is modify by JS page browser, the value is not update on PC Runtime - Case ID: 201800247	JM-13186	Bug
JM4Web	JM4Web: Add support for Min/Max parameters in Scatter Diagram curves	JM-13820	Bug
JM4Web	JM4Web: Upscaling problem in JM4Web page - Case ID: 201803551	JM-13866	Bug
JM4Web	JM4Web: Base color in message text in JM4Web does not automatically adapt on text colour - Case ID: 201805932	JM-14337	Bug
JM4Web	JM4Web: MultiState Image widget not working with svg image file - Case ID: 201806914	JM-14536	Bug
JM4Web	JM4Web: JSFuncBlock widget execute code twice when a dialog page is opened - Case ID: 201808128	JM-14668	Bug
JM4Web	JM4Web: "Mask" function does not work in numeric field linked to String Tag - Case ID: 201900338	JM-14771	Bug
JM4Web	JM4Web: IP Camera widget not working if camera requires credentials - Case ID: 201900816	JM-14837	Bug

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JM4Web	JM4Web: Dynamic selection of Tag for curve not working on History Trend widget - Case ID: 201903754	JM-15352	Bug
JM4Web	JM4Web: Multistate Image widget does not animate on web pages - Case ID: 201903800	JM-15367	Bug
JM4Web	JM4Web: Use of Scaling and Color Palette generate an Error Message - Case ID: 201907115	JM-15855	Bug
JM4Web	JM4Web: Use of Color palette in Scale widget generate an error message - Case ID: 201907160	JM-15869	Bug
Productivity tools and IDE UI	Download application is not possible, Studio shows corrupted path - Case ID: 201801850	JM-13459	Bug
Productivity Tools and IDE UI	Port setting for Database links can not be saved - Case ID: 201906217	JM-15693	Bug
Productivity Tools and IDE UI	Tag deletion leads to impossibility to select any studio part when properties pane is floating - Case ID: 201504546	JM-9234	Bug
Protocol	[ABDF][ABDH][ABEN] Wrong Tag creation after to have defined some Timer or Counter Tags - Case ID: 201606738	JM-11612	Bug
Protocol	[CDS3] Writing an array of 1000 elements cause runtime crash - Case ID: 201904112	JM-15376	Bug
Protocol	[GE90] Wrong offset in CNC mode - CaseID: 201903362	JM-15380	Bug
Protocol	[MIQE] Issue when imports input/output Tags; import as OCT format, however Q series uses Hex format for addressing. - CaseID: 201904441	JM-15418	Bug
Protocol	[MRTU] Fix detection of exception in case of ASCII mode - Case ID: 201904868	JM-15470	Bug
Protocol	[CANH][LENZ][J193][NM2K][NM20][B193][CAND] Revert socket to blocking mode for CanEngine based protocols - Case ID: 201905023	JM-15506	Bug
Protocol	[MODT] Ip address 0.0.0.0 recognized as disabled node - Case ID: 201905318	JM-15536	Bug
Protocol	[ETIP] No reconnection after ethernet cable unplug/plug with Omron NX PLC - Case ID: 201904370	JM-15749	Bug
Protocol	[BACN] powering on an IP device on same network causes panel crash - Case ID: 201905416	JM-15773	Bug
Protocol	[CANO] wrong object 1000 byte order definition - CaseID: 201906753	JM-15802	Bug
Protocol	[OMRE] Add Override function for all protocol parameters - Case ID: 201906890	JM-15810	Bug
Protocol	[MODS] Protocol does not respond to request after received different a lot messages - CaseID: 201906004	JM-15841	Bug
Protocol	[INDR] Communication error adding one Tag in page - Case ID: 201907487	JM-15906	Bug
Protocol	[S7ET] Error importing Tag with from Step7 file - CaseID: 201907486	JM-15946	Bug
Protocol	[ETIP] HMI runtime hangs with customer project - Case ID: 201904370	JM-15951	Bug
Protocol	[J193] usage of standard PGNs added to RXlist by default is not possible because a second registration returns error - Case ID: 201907667	JM-15966	Bug
Protocol	[NM20] Tag import is not importing PGN set as OUTPUT - Case ID: 201907915	JM-15969	Bug
Protocol	[ETIP] UDT data type not imported - Case ID: 202000092	JM-16013	Bug
Protocol	[ETIP] Enhance communication with Micro800 PLC - Case ID: 202000006	JM-16082	Bug
Protocol	[ETIP] Reading and Writing Boolean array error with PLC Micro800 - Case ID: 202000705	JM-16136	Bug
Protocol	[HISE] [HIET] Replace dot with underscore in Tag import - Case ID: 202000898	JM-16146	Bug
Remote Client	Bookmarks are not listed when re-opening Windows Client - Case ID: 201600275	JM-10194	Bug
Run time operation	Disable "Use Last Visited Page" if "Home Page" is set for the user group - Case ID: 201707529	JM-13002	Bug

Category	Summary	Ticket ID	Type
Run time operation	Runtime crash after some time using BACnet application - Case ID: 201900498	JM-14803	Bug
Run time operation	JMobile Studio crashes if we ungroup scatter diagram and add curve	JM-15321	Bug
Run time operation	Runtime crashes when loading customer with many pages in precache - Case ID: 201904541	JM-15423	Bug
Run time operation	Runtime crashes after navigation in many page with customer project - Case ID: 201904432	JM-15424	Bug
Run time operation	Runtime crashes with formula attached to visibility that check values of two aliases - Case ID: 201904805	JM-15454	Bug
Run time operation	Opening dialog inside dialog focus remain on first one - Case ID: 201904976	JM-15501	Bug
Run time operation	Send multiple mail with empty text causes bad chars displayed in HMI - Case ID: 201906527	JM-15774	Bug
Run time operation	LoadPage dialog is not invoked in center and is too little	JM-15784	Bug
Run time operation	Datatransfer does not works with fastboot - Case ID: 201906363	JM-15798	Bug
Run time operation	Tag not activated after many page changes - Case ID: 201904370	JM-15856	Bug
Run time operation	Crash of the panel caused by dialogs - Case ID: 201907104	JM-15862	Bug
Run time operation	Runtime crash with when broken context in the formula - Case ID: 201907529	JM-15909	Bug
Run time operation	Keypad do not appear when is smaller than dialog - Case ID: 202000536	JM-16108	Bug
Run time operation	Language to use inside the .csv file generate from the DumpEventArchive macro. (CRMTS201302583)	JM-6538	Bug
Security	Security settings are not applied for OnDataUpdate programmed actions - Case ID: 201802250	JM-13479	Bug
Security	Accessing a remote folder using a password with uppercase is not working. - Case ID: 201903498	JM-15293	Bug
Tag Editor	Incorrect Tag refresh rate and Tag freeze in specific scenario - Case ID: 201906377	JM-15750	Bug
Trends	Trendcursor does not display any value when Tag is equal to value "-1" - CaseID: 201905643	JM-15593	Bug
Widget	Security not supported by inner objects of table widget - Case ID: 201802024	JM-13432	Bug
Widget	Custom field with automatic scale and number format based on data type - Case ID: 201802372	JM-13813	Bug
Widget	JMobile crash on duplicate ID widget delete - Case ID: 201805655	JM-14295	Bug
Widget	Widget Catalog window "breaks" Id of param - Case ID: 201900912	JM-14842	Bug
Widget	Bacnet Scheduler widget day names are wrongly written - Case ID: 201900498	JM-14849	Bug
Widget	Special chars not correctly display into History Alarm widget in description with live Tags - Case ID: 201903977	JM-15343	Bug
Widget	Changing color Backgound dynamically of a Image widget, sometime the border/stroke black line is displayed on screen erroneously - CaseID: 201904059	JM-15355	Bug
Widget	Advanced multistate image precache (imageDB) for animation - Case ID: 201902580	JM-15362	Bug
Widget	Consumption meter doesn't scale value in graph - Case ID: 201904808	JM-15457	Bug
Widget	SetProperty on IP camera widget does not works properly - Case ID: 201906787	JM-15859	Bug
Widget	OnDataUpdate of a field belong to a Table is triggered multiple times - Case ID: 201907165	JM-15923	Bug
Widget	Wrong dump file name after enabling scheduler from widget - CaseID: 201907653	JM-15947	Bug
Widget	Pen Style is not working in Scatter Diagram - Case ID 201601497	JM-6491	Bug
Widget	Segmented bargraph not updated when entering page if Min property differs from 0 - Case ID: 201401282	JM-7693	Bug

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