

MIX-RS / MAX-RS

RS485 Multiprotocol I/O Modules

MIX-RS / MAX-RS Software Bundle 7.1

2025

The list below contains modifications and new features since the release of software bundle version 6.5.

NAME	DESCRIPTION
MIX-RS / MAX-RS Ver. 7.1 Release date 18 Jun 2025	New functionalities: <ul style="list-style-type: none">BACnet Protocol Revision 22 UpdateNew B-SS (BTL-31279) and B-SA (BTL-31261) BACnet Conformance CertificateNew services and objects added according to BACnet 1.22 standard<ul style="list-style-type: none">added ReinitializeDevice serviceadded ReadRange serviceadded Network Port object Improvements: <ul style="list-style-type: none">ASV (Application software version) value changed to 1.0Send Modbus Error Codes supported and can be enabled/disabled in both IP and RS485 I/O Modules Fixed bugs: <ul style="list-style-type: none">New BACnet ID not accepted after reload settings

iSMA-B-MIX-RS Software Bundle 6.5

13 Oct 2020

The list below contains modifications and new features since the release of software bundle version 6.3.

NAME	DESCRIPTION
iSMA-B-MIX-RS Ver. 6.5 Release date 13 Oct 2020	Improvements: <ul style="list-style-type: none">The default BBMD IP address set to 0.0.0.0;Registering to the BBMD server is disabled if the BBMD IP address is left default;Added option to disable the web server access by setting the HTTP port to 0. Fixed bugs: <ul style="list-style-type: none">Fixed Modbus statistics on www: Modbus Received / Error / Transmitted Frames;In case the temperature sensor on the UI gets disconnected, the temperature value is restored to its min/max INT value.

The list below contains modifications and new features since the release of software bundle version 6.2.

NAME	DESCRIPTION																
iSMA-B-MIX-RS Ver. 6.3 Release date 3 Mar 2020	<p>New functionalities:</p> <ul style="list-style-type: none"> new temperature sensors implemented in Celsius and Fahrenheit degrees: <table border="1"> <thead> <tr> <th>Celsius</th><th>Fahrenheit</th></tr> </thead> <tbody> <tr> <td>NI1000 21C</td><td>10K Type2 NTC B=3975K</td></tr> <tr> <td>NI1000 LG</td><td>10K Type3 NTC B=3695K</td></tr> <tr> <td></td><td>20K NTC B=4262K</td></tr> <tr> <td></td><td>3K NTC B=3975K</td></tr> <tr> <td></td><td>PT1000</td></tr> <tr> <td></td><td>NI1000 32F</td></tr> <tr> <td></td><td>NI1000 70F</td></tr> </tbody> </table> new Modbus function 0x17 Read/Write Multiple registers; new Modbus function 0x2B to read the VENDOR_NAME,MODEL_NAME, FW_VERSION, HOMEPAGE. <p>Improvements:</p> <ul style="list-style-type: none"> improved filtering on UI; Device Name (Object Name) in BACnet is saved in EEPROM memory. <p>Fixed bugs:</p> <ul style="list-style-type: none"> fixed one record in sensor 30k6A1 table–resistance 60713 to 80713 (5°C); default settings resets using dip switches resets counters. 	Celsius	Fahrenheit	NI1000 21C	10K Type2 NTC B=3975K	NI1000 LG	10K Type3 NTC B=3695K		20K NTC B=4262K		3K NTC B=3975K		PT1000		NI1000 32F		NI1000 70F
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The list below contains modifications and new features since the release of software bundle version 5.5.

NAME	DESCRIPTION
iSMA-B-MIX-RS Ver. 6.0 Release date 7 Dec 2017	<p>New functionalities:</p> <ul style="list-style-type: none"> firmware Version 6.0 released with BACnet certification; added possibility to upgrade devices firmware via BACnet. <p>Fixed bugs:</p> <ul style="list-style-type: none"> fixed out of service flags in AO, BO and TO in BACnet; fixed overridden flags in AO, BO and TO in BACnet; fixed bug with number of counters for Binary Input object (now variable is 32 bit); changed AO-1, BO-1, TO-1 HAND_STATUS Access to read only in BACnet.

The list below contains modifications and new features since the release of software bundle version 5.1.

NAME	DESCRIPTION
iSMA-B-MIX-RS Ver. 5.2 Release date 13 Jan 2017	<p>Fixed bugs:</p> <ul style="list-style-type: none"> fixed bug with saving configuration to EEPROM memory (in FW version 5.0 once for dozens of records to the EEPROM memory can fail).

The list below contains modifications and new features since the release of software bundle version 5.0.

NAME	DESCRIPTION
iSMA-B-MIX-RS Ver. 5.1 Release date 2 Jan 2017	Improvements: <ul style="list-style-type: none"> added console through Modbus. Fixed bugs: <ul style="list-style-type: none"> improved BACnet COV Increment can now have values with resolution 0.1; added BACnet COV Increment access (read/write) through USB; added power Led flashing after IO watchdog triggered; changed IO watchdog reset after read/write registers through USB.

The list below contains modifications and new features since the release of software bundle version 4.4.

NAME	DESCRIPTION
iSMA-B-MIX-RS Ver. 5.0 Release date 12 Jul 2016	Improvements: <ul style="list-style-type: none"> UI filter improved (better signal stability at a lower filter time constant); added possibility set COV Increment via USB by iSMA-Configurator; changed instances of the objects AV, BV, MSV. Fixed bugs: <ul style="list-style-type: none"> fixed Watchdog function; fixed a physical output state when priority table is null in BACnet Binary/Analog/Triac Output object (when priority table is null physical output is set to relinquish default value).

NAME	DESCRIPTION
iSMA-B-MIX-RS Ver. 1.0 Release date 12 Jun 2015	First release.