B&R Revision Information

Version ARSGC_2.32.22_V2.32 Automation Runtime SGC Upgrade (V2.32)

01−Sep−2011

Contents

B&R Revision Information (01.09.2011)
Version ARSGC_2.32.22_V2.32 Automation Runtime SGC Upgrade (V2.32)

The current revision information can be downloaded from the B&R Homepage download area (http://www.br-automation.com/download).

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Requests and problems by product and version

1A4000.02 (2.1 Automation Runtime SGC)

ID	valuation	solved since	known since	Description
400063995	Problem	-	ARSGC_2.31.6.F02.31	If DM_Lib function blocks are used to write to the user flash of the SGC CPU, after some time a locking problem results in Error 6025 - "Checksum of system management table destroyed".
265150	Problem	-	ARSGC_2.31.5.E02.31	X20XC0292: new firmware V43
265145	Problem	-	ARSGC_2.31.5.E02.31	X20CP0292: new firmware V43
265140	Problem	-	ARSGC_2.31.5.E02.31	X20CP0291: new firmware V43
264890	Problem	-	ARSGC_2.31.5.E02.31	X20CP0291: new firmware V43
264885	Problem	-	ARSGC_2.31.5.E02.31	X20CP0292: new firmware V43
264880	Problem	-	ARSGC_2.31.5.E02.31	X20XC0292: new firmware V43
243130	Problem	-	ARSGC_2.31.4.D02.31	X20XC0292: new firmware
243125	Problem	-	ARSGC_2.31.4.D02.31	X20CP0292: new firmware
243120	Problem	-	ARSGC_2.31.4.D02.31	X20CP0291: new firmware
243115	Problem	-	ARSGC_2.31.4.D02.31	X20CP0201: new firmware
243105	Problem	-	ARSGC_2.31.4.D02.31	X20XC0201: new firmware
243100	Problem	-	ARSGC_2.31.4.D02.31	X20XC0202: new firmware
400068517	Problem	ARSGC_2.32.6.F02.32	ARSGC_2.31.6.F02.31	Changing the number of configured task classes can cause an error when booting the system (27352 - Error generating a task class)
400063995	Problem	ARSGC_2.32.5.E02.32	ARSGC_2.31.6.F02.31	If DM_Lib function blocks are used to write to the user flash of the SGC CPU, after some time a locking problem results in Error 6025 - "Checksum of system management table destroyed".
400039589	Problem	ARSGC_2.32.5.E02.32	ARSGC_2.01.7.G02.01	Sporadic error with TON_10ms
400060158	Problem	ARSGC_2.32.2.B02.32	ARSGC_2.31.5.E02.31	I/O outputs are set although the target is in service mode
400056097	Problem	ARSGC_2.32.2.B02.32	ARSGC_2.31.4.D02.31	When generating data objects in the target memories USRROM and SYSROM using the function blocks DataObjCopy() and DataObjMove(), Error 20604 "Error installing data object" is returned.
400060158	Problem	ARSGC_2.31.6.F02.31	ARSGC_2.31.5.E02.31	I/O outputs are set although the target is in service mode
400059520	Problem	ARSGC_2.31.6.F02.31	ARSGC_2.31.4.D02.31	When generating data objects in the target memories USRROM and SYSROM using the function blocks DataObjCopy() and DataObjMove(), Error 20604 "Error installing data object" is returned.
400017777	Problem	ARSGC_2.31.5.E02.31	V2.7.0.0017 SP10	With a modem connection, an insufficient receive timeout results in "invisible" entries being made in the logbook, which in turn causes visible entries to "disappear"
400046371	Problem	ARSGC_2.31.4.D02.31	ARSGC_2.31.3.C02.31	CAN COB can't be cleared by calling CANread.enable=0
400032237	Problem	ARSGC_2.31.4.D02.31	ARSGC_2.01.7.G02.01	The function block FRM_xopen() causes a memory leak of 64 bytes each time it's called
400030790, 400041335	Problem	ARSGC_2.31.3.C02.31	ARSGC_2.30.15.O02.30	HwGetTemperature() doesn't work for X20CP0292
400038869	Problem	ARSGC_2.31.2.B02.31	V3.00.80.25	The PLC can crash because of faulty handling when deleting tasks in Service Mode (different error types: address error, illegal instruction, etc.)
400037132	Problem	ARSGC_2.31.2.B02.31	ARSGC_2.00.5.E02.00	Starting with AR SGC V2.30, data modules in UserRam are deleted during a warm restart
400020558	Problem	ARSGC_2.30.10.J02.30	V3.0.71.24 SP03	SGC target doesn't send an event when the task status changes

Requests and problems by product/component

1A4000.02 (2.1 Automation Runtime SGC)

AR - General SGC

ID#400068517 : solved problem, known since ARSGC_2.31.6.F02.31, solved since ARSGC_2.32.6.F02.32

Changing the number of configured task classes can cause an error when booting the system (27352 - Error generating a task class)

ID#400060158 : solved problem, known since ARSGC_2.31.5.E02.31, solved since ARSGC_2.31.6.F02.31

I/O outputs are set although the target is in service mode

ID#400060158 : solved problem, known since ARSGC_2.31.5.E02.31, solved since ARSGC_2.32.2.B02.32

I/O outputs are set although the target is in service mode

ID#400038869 : solved problem, known since V3.00.80.25, solved since ARSGC_2.31.2.B02.31

The PLC can crash because of faulty handling when deleting tasks in Service Mode (different error types: address error, illegal instruction, etc.)

ID#400037132 : solved problem, known since ARSGC_2.00.5.E02.00, solved since ARSGC_2.31.2.B02.31

Starting with AR SGC V2.30, data modules in UserRam are deleted during a warm restart

ID#400032237 : solved problem, known since ARSGC_2.01.7.G02.01, solved since ARSGC_2.31.4.D02.31

The function block FRM_xopen() causes a memory leak of 64 bytes each time it's called

ID#400020558 : solved problem, known since V3.0.71.24 SP03, solved since ARSGC_2.30.10.J02.30

SGC target doesn't send an event when the task status changes

SGC target doesn't send an event when the task status changes – this can cause a task to be displayed as "running" although it has ended.

Diagnose − Logger

ID#400017777 : solved problem, known since V2.7.0.0017 SP10, solved since ARSGC_2.31.5.E02.31

With a modem connection, an insufficient receive timeout results in "invisible" entries being made in the logbook, which in turn causes visible entries to "disappear"

Firmware

ID#265150 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.31.8.H02.31

X20XC0292: new firmware V43

− solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
− UdpSend error number if port number = 0 (A&P 246075)
− ip addres has been used even after the DHCP lease has been expired (A&P 257895)
− using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#265145 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.31.8.H02.31

X20CP0292: new firmware V43

− solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
− UdpSend error number if port number = 0 (A&P 246075)
− ip addres has been used even after the DHCP lease has been expired (A&P 257895)
− using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#265140 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.31.8.H02.31

X20CP0291: new firmware V43

− solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
− UdpSend error number if port number = 0 (A&P 246075)
− ip addres has been used even after the DHCP lease has been expired (A&P 257895)
− using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#264890 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.32.6.F02.32

X20CP0291: new firmware V43

− solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
− UdpSend error number if port number = 0 (A&P 246075)
− ip addres has been used even after the DHCP lease has been expired (A&P 257895)
− using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#264885 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.32.6.F02.32

X20CP0292: new firmware V43

− solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
− UdpSend error number if port number = 0 (A&P 246075)
− ip addres has been used even after the DHCP lease has been expired (A&P 257895)
− using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#264880 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.32.6.F02.32

X20XC0292: new firmware V43

− solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
− UdpSend error number if port number = 0 (A&P 246075)
− ip addres has been used even after the DHCP lease has been expired (A&P 257895)
− using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#243130 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20XC0292: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000).
A "Watchdog (AR)" could have happened if too much ARP− and/or ICMP−requests where received.
A "Watchdog (FW)" could have happened because of too high ethernet traffic (A&P 242005).
The time for cyclic ARP requests to the ethernet gateway has been changed from 1 minute to 10 minutes (A&P 242155).

ID#243125 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20CP0292: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000).
A "Watchdog (AR)" could have happened if too much ARP− and/or ICMP−requests where received.
A "Watchdog (FW)" could have happened because of too high ethernet traffic (A&P 242005).
The time for cyclic ARP requests to the ethernet gateway has been changed from 1 minute to 10 minutes (A&P 242155).

ID#243120 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20CP0291: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000).
A "Watchdog (AR)" could have happened if too much ARP− and/or ICMP−requests where received.
A "Watchdog (FW)" could have happened because of too high ethernet traffic (A&P 242005).
The time for cyclic ARP requests to the ethernet gateway has been changed from 1 minute to 10 minutes (A&P 242155).

ID#243115 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20CP0201: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000)

ID#243105 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20XC0201: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000)

ID#243100 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20XC0202: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000)

Library − AsHW

ID# 400030790, 400041335 : solved problem, known since ARSGC_2.30.15.O02.30, solved since ARSGC_2.31.3.C02.31

HwGetTemperature() doesn't work for X20CP0292

Library − CAN_lib

ID#400046371 : solved problem, known since ARSGC_2.31.3.C02.31, solved since ARSGC_2.31.4.D02.31

CAN COB can't be cleared by calling CANread.enable=0

Library − DataObject

ID# 400059520 : solved problem, known since ARSGC_2.31.4.D02.31, solved since ARSGC_2.31.6.F02.31

When generating data objects in the target memories USRROM and SYSROM using the function blocks DataObjCopy() and DataObjMove(), Error 20604 "Error installing data object" is returned.

ID#400056097 : solved problem, known since ARSGC_2.31.4.D02.31, solved since ARSGC_2.32.2.B02.32

When generating data objects in the target memories USRROM and SYSROM using the function blocks DataObjCopy() and DataObjMove(), Error 20604 "Error installing data object" is returned.

Library − DM_lib

ID#400063995 : solved problem, known since ARSGC_2.31.6.F02.31, solved since ARSGC_2.32.5.E02.32

If DM_Lib function blocks are used to write to the user flash of the SGC CPU, after some time a locking problem results in Error 6025 − "Checksum of system management table destroyed".

ID#400063995 : known problem since ARSGC_2.31.6.F02.31, correction planned for ARSGC_2.31.8.H02.31

If DM_Lib function blocks are used to write to the user flash of the SGC CPU, after some time a locking problem results in Error 6025 − "Checksum of system management table destroyed".

Library − Standard

ID#400039589 : solved problem, known since ARSGC_2.01.7.G02.01, solved since ARSGC_2.32.5.E02.32

Sporadic error with TON_10ms

The elapsed time of the FUBs can sometimes sporadically jump to PT, causing the FUB output to be set.