



Release Note

Barionet 50 V1.09

Firmware name:	Barionet 50 V1.09		
Released:	14.May 2010		
Package name:	barionet50_kit_vb109_20100514		
Version overview:	Type	File name	Version Date
	Firmware	bn50.rom	V01.09_20100514
	WEB UI	bario50web.cob	V01.06_20100426
	FW Ext. 1	sg.bin	VA8.03_20100511
	FW Ext. 2	bclio.bin	V01.14_20100421
	Bootloader	exfull.rom	V99.15_20100512
	BCL app.	barionetbcl.cob	V01.21_20091015

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I Hardware Compatibility

This firmware is intended to run on the following devices:

- Barionet 50

Note: This firmware is not suitable for the Barionet 100, since the Barionet 100 has a different hardware architecture.

2 New Features

No new features have been implemented in this version.

3 Bugs Fixed In This Version

The following bugs have been fixed in the Barionet50 v1.09 software (compared to the version 1.08):

- #051.08: RS485 broken, sending but not receiving
- #064.43: I-wire reports temp value 140.6 if bus is shorted
- #066.11: TCP listen socket not closed even after calling close from the BCL
- #064.57: wrong baud rate at 230400 baud - was in fact 187500

Note:

If you experienced problems with serial baud rate 230400 in the previous firmware version and you are updating your device via Web Update, please open the “Serial” configuration page and press “Apply” so that the bugfix can take place.

4 Known Bugs

- #064.25: After applying factory defaults the WEB Port is 80 instead of 0

5 Major Modifications

5.1 Serial Setup

Please note that the baud rate setting (for both serial ports) in the EEPROM Setup differs between the Barionet 50 and the Barionet 100. This will have an impact in case of running a Barionet 100 application on the Barionet 50.

If your Barionet 100 application (e.g. the MBT application) is writing the configuration values directly into the EEPROM Setup you need to modify the application to use the proper values for the Barionet 50.

See the Barionet 50 Manual for further details. A brief overview of the differences follows. The same applies for the second serial port (Setup offset 32):

Barionet 100

Gateway IP	12	B12-B15	4	5.1
RS-232 Baud rate	16	B16	1	4=19200, 8=9600, 16=4800, 32=2400, 64=1200, 128=600
RS-232 control	17	B17	1	See next 6 rows

Barionet50

Gateway IP	12	B12-B15	4	5.1
RS-232 Baud rate	16	B16	1	7 = 300, 6 = 600, 5 = 1200, 4 = 2400, 3 = 4800, 2 = 9600, 1 = 19200, 0 = 38400, 9 = 57600, 11=76800, 8 = 115200, 10=230400
RS-232 control	17	B17	1	See next 6 rows

6 References

	Document
[1]	Barionet 50 Manual
[2]	Barionet 50 WEB Page
[3]	Barionet 50 Update, Rescue and Development Kit

7 Legal Information

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