



Barionet 50 VBI.05

Firmware name:	Barionet 50 VBI.05		
Released:	20. January 2010		
Package name:	barionet50_kit_vb105_20100120		
Version overview:	Type	File name	Version Date
	Firmware	bn50.rom	V01.05_20100120
	WEB UI	bario50web.cob	V01.03_20100112
	FW Ext. 1	sg.bin	V07.04_20091228
	FW Ext. 2	bclio.bin	V01.12_20100112
	Bootloader	exfull.rom	V99.15_20100114
	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 the Barionet50 v1.05 software (compared to the version 1.04).

3 Bugs Fixed In This Version

- #064.34: I-wire RTC is detected but the time is not read properly
- #064.47: device not accessible over network (and no DHCP) if TCP command port timeout set to an odd number

Note: This bug affects also the bootloader. Perform serial rescue in order to apply the bugfix also on the bootloader.

- #064.48: WEB factory defaults clear the DHCP name
- #064.50: home page stops reloading after some time (incorrect content-length information by the Barionet)
- #064.51: temperature sensors cannot be used in TCP subscriptions
- #066.10: TCP sync is accepted from IP broadcast address

4 Known Bugs

- #064.25: After applying factory defaults the WEB Port is 80 instead of 0
- #064.43: I-wire reports temp value 140.6 (in VI.04 value 0) if bus is shorted (should report 256.0 degrees)
- #051.08: RS485 broken, sending but not receiving

5 Major Modifications

5.1 WEB UI

The “SAVE” button has been removed from the Configuration menu. It had no function.

5.2 WEB Server

The integrated WEB server does not send Content-Length any more. In the previous versions the content length information was wrong, which was causing problems with certain WEB browsers (bug #064.50: home page stops reloading after some time).

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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