



Release Note

Barionet 50 V1.08

Firmware name:	Barionet 50 V1.08		
Released:	22.March 2010		
Package name:	barionet50_kit_vb108_20100322		
Version overview:	Type	File name	Version Date
	Firmware	bn50.rom	V01.08_20100322
	WEB UI	bario50web.cob	V01.06_20100322
	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

The following new features have been implemented in the Barionet50 v1.06 software (compared to the version 1.05):

- #064.46: WEB password protection added

3 Bugs Fixed In This Version

- #014.03 Barionet.mib/zip updated with syntax error fixes
- #064.43: fixed non-working parity settings on both serial ports
- fixed incorrect HTTP error code 400 if file not found

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 V1.04 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

Since this version the device's configuration WEB UI can be protected with a password. For that purpose a new tab "Security" has been added to the settings. Please refer to the manual for further details about the usage.

5.2 WEB Server

The WEB server now returns error code 404 if a file is not found. In previous versions it wrongly returned the code 400.

5.3 Setup

The config.bin file has been expanded to 512 bytes to also include the WEB password (default empty) and prepare for future parameters.

The Setup Version has changed from the version 2 to the version 3.

Warning: before loading this package print out your configuration. Upgrading the software from any previous version will automatically restore the factory defaults.

5.4 New Bootloader

A new version V99.15 of the bootloader is released in this kit which fixes the bug "064.47: device not accessible over network if set to DHCP and TCP command port timeout set to an odd number".

We therefore suggest to update the bootloader by performing the serial rescue method as described in the Readme1st.txt.

Alternatively the bootloader can be updated through the WEB Update by loading the special file *web_update_bl.bin* from the *update_rescue* folder of the rescue kit. However this operation is risky as any error during the WEB update could make the device inoperable. In this case you would need to proceed with the serial rescue anyway.

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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