



Release Note

Barionet 50 V1.04

Firmware name:	Barionet 50 V1.04		
Released:	18. Dec. 2009		
Package name:	barionet50_kit_vb104_20091218		
Version overview:	Type	File name	Version Date
	Firmware	bn50.rom	V01.04_20091218
	WEB UI	bario50web.cob	V01.02_20091019
	FW Ext. 1	sg.bin	V07.03_20091105
	FW Ext. 2	bclio.bin	V01.11_20091217
	Bootloader	exfull.rom	V99.14_20091015
	BCL app.	barionetbcl.cob	V01.21_20091015

© 2009 Barix AG, all rights reserved. All information is subject to change without notice. All mentioned trademarks belong to their respective owners and are used for reference only.



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 v1.04 (compared to the version 1.03):

- #064.42: added tools for MAC OS X

3 Bugs Fixed In This Version

- #064.35: TCP subscriptions - no statechange message if UDP command received
- #064.36: corrected typo in erasefree.bat script
- #064.37: no response to a TCP/Modbus command
- #064.44: sometimes shows incorrect statechange messages of an IO>1000 on TCP
- #066.01: ICMP ping now calls ARP resolve rather than answering to the source MAC address
- #066.07: connections to the WEB server, while all WEB processes are busy, are rejected rather than queued
- #066.08: if TCP window is smaller than 10B the window of the receiver is ignored and full size packets are sent
- #66.09: TCP window shrink causes arithmetics overflow and crash
- various optimisations in TCP stack

4 Known Bugs

- #064.25: After applying factory defaults the WEB Port is 80 instead of 0
- #064.34: I-wire RTC is detected but the time is not read properly
- #064.43: I-wire reports temp value 0 even if bus is shorted
- #064.47: device not accessible over network (and no DHCP) if TCP command port timeout set to an odd number

WARNING! Do not set the TCP control port timeout to an odd number. If it already happened to you and the device is not accessible perform factory defaults as described in Section 6.2 of the Barionet 50 Manual.

- #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

5 Major Modifications

5.1 Rescue Kit

Tools for MAC OS X have been added, now the rescue-kit as well as the BCL kit run on Windows, Linux and MAC. For MAC users the same scripts as for Linux should be used, the platform is auto-detected. Refer to the Readme file for more details.

The scripts in the rescue kit (update_rescue folder) have been renamed:

- ipamres.bat -> serial.bat
- ipamresX.bat -> serialX.bat

The folder "linux" was renamed to "linux_mac" and the scripts inside were renamed and simplified:

- ipamresl.sh -> seriall.sh
- ipamresd.sh -> seriald.sh
- ipamres2.sh, ipamres3.sh, ipamres4.sh were removed

6 References

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

7 Legal Information

© 2009 Barix AG, Zurich, Switzerland.

All rights reserved.

All information is subject to change without notice.

All mentioned trademarks belong to their respective owners and are used for reference only.

Barix and Barionet 50 are trademarks of Barix AG, Switzerland and are registered in certain countries.

For information about our devices and the latest version of this manual please visit www.barix.com.

Barix AG
Seefeldstrasse 303
8008 Zürich
SWITZERLAND

T +41 43 433 22 11
F +41 44 274 28 49

www.barix.com
sales@barix.com
support@barix.com

