



RELEASE NOTE

BIANCA/BRICK-XS

13.09.1996

New System Software Release 4.2.1

The new BIANCA/BRICK-XS system software release 4.2 revision 1 contains several new features and fixes a number of bugs from the previous release 4.1 revision 8.

[Performing the Update](#) is explained on Page [2](#).

Once Software Release 4.2.1 is installed, you will find:

[New Features](#) Page [2](#)

[MIB Changes](#) Page [3](#)

[Bug Fixes](#) Page [4](#)

[Known Problems](#) Page [5](#)

When upgrading your BRICK-XS, it is recommended that you also use the most recent version of *BRICKware for Windows* and *UNIXTools*. Both can be retrieved from BinTec's FTP server at <http://www.bintec.de>

Performing the Update

You can upgrade to software version 4.2 using the update command from the SNMP shell via a remote host (i.e. using telnet, minipad, or isdnlogin) or by using the BOOTmonitor if you are logged in directly on the console.

Information on using the BOOTmonitor can be found in Chapter 2 of your User's Guide under *Firmware Upgrades*.



Using 4.1.8 Configurations

You can continue to use your existing configuration files with the new software version. However, configuration information stored in ***biboAdmLogHostTable*** may be lost when loading 4.1.8 configuration files directly from flash.

To ensure this information is retained, you may decide to save the ***biboAdmLogHostTable*** to a remote host via TFTP and reload it after version 4.2.1 has booted.

New Features

New Syslog Mechanism

The BRICK's syslog mechanism has been simplified. When sending syslog messages to remote hosts, the BRICK now sends messages from its different subsystems using one facility.

New Debugging Tool

A new **debug** command is now available from the SNMP shell. Debug can be used from a telnet session, console or ISDN login shell to selectively display system messages originating from the BRICK's various subsystems.

Access with X.25

The BRICK-XS will now *receive* X.25 calls even if no X.25 license is present.

This means you can now access a new BRICK-XS using X.25—over all possible media, i.e. using X.31 on a D channel, or via Ethernet—for remote installation of an X.25 license and subsequent configuration.

Future Software Upgrades

With future software upgrades (beginning with versions greater than 4.2) it will be possible to load older configurations files directly from flash ROM. Until now system tables that had changed could not always be properly loaded directly from flash ROM with newer software releases.

MIB Changes

Changed System Tables

Several changes have been made to the BRICK's MIB (management information base):

- ***biboAdmSyslogTable***
The *biboAdmSyslogFacility* object has been removed and *biboAdmSyslogSubject* has been added to the SyslogTable. *biboAdmSyslogMessage* has a new OID.
- ***biboAdmLogHostTable***
The *biboAdmLogHostFacilities* object has changed to *biboAdmLogHostFacility*, and has a new OID. A new object, *biboAdmLogHostType*, has been added.
- ***biboAdmConfigTable***
The *biboAdmConfigCmd* object can now be assigned the value “reorg” to force a reorganization (i.e. delete entries marked for deletion) of flash ROM. Note

that flash is automatically reorganized once flash becomes full.

New System Tables

New system tables appearing in version 4.2.1 include:

- ***x25MprTable***
The *x25MprTable* has been added for future support of MPR (multiprotocol routing) over X.25.

Bug Fixes

CAPI

- CAPI now supports selecting of analog modem (V.22bis) as B1 protocol, as described in the CAPI addendum “Modem and Faxpolling over ISDN”.
- Incoming Calls with no associated B-channel are now signalled to the CAPI application with B-channel parameter 2 (use neither B- or D-channel). Using this mechanism, the application can detect CALL AWAITING situations.

ISDN

- The objects *isdnChReceivedOctets* and *isdnCallReceivedOctets* did not indicate the correct number of bytes in previous releases. The values were always low and are now correctly indicate the total number of received bytes including the start flag and CRC. The objects *isdnChTransmitOctets* and *isdnCallTransmitOctets* now also indicate the number of transmitted bytes (including start flag and CRC) correctly.

Miscellaneous

- Configuration changes made by BOOTP sometimes did not have any effect. They now work correctly.
- During automatic reorganization of flash ROM, sometimes configuration files were inadvertently deleted. The BRICK-XS now automatically reorganizes flash ROM properly.

Known Problems

BRICKware and Windows NT

Problem

If you want to install *BRICKware for Windows* on a computer running Windows NT using the NTFS file system please note that the NTFS file system is case sensitive.

When browsing for the installation directory at the start of the installation procedure, the dialog box will convert all pathnames to *lowercase* letters.

This causes the installation to fail.

Solution

You can avoid this problem by entering the desired pathname by hand, instead of selecting it with a mouseclick.

IP Broadcasting and PCNFS

In DIME Tools Options menu under IP Broadcasting, either global or local broadcasting can be selected. Please note that when using PC-NFS, only local broadcasting may be used.

For detailed information, see the online help in DIME Tools.

PC/TCP and Windows 95

If problems occur when using PC/TCP with Windows '95 and DIME Tools check to see if a "Winsock.dll" is located in your Windows (normally C:\windows) directory.

If a different winsock.dll (not winsock.dll installed by PC/TCP) is located there, try moving that file to your Sysbckup directory (normally C:\Windows\Sysbckup).