



RELEASE NOTE

BIANCA/BRICK-XS

02.09.1996

New System Software Release 4.1.8

The new BIANCA/BRICK-XS system software release 4.1 revision 8 contains a couple of new features and fixes a number of bugs from the previous revision 7.

New Features

FAX G3 Calling Tone Recognition

In transparent mode with DTMF recognition CAPI 1.1 and CAPI 2.0 now recognise the Fax G3 Calling Tone (CNG) on incoming calls. The CNG is signalled as »X« in the DTMF indication message.

Switchable V.42bis Data Compression in CAPI 2.0

V.42bis data compression can now be switched off on a per call basis by adding an »N« or »n« as extension to the called party number.

IPX switchable for each Interface

The IPX protocol can now be explicitly disabled for each interface by setting the *Type* field to *other* and the *Net-Number* to *0:0:0:0* in the *ipcCircTable*, or by deselecting the IPX entry in the ISDN Partner screen of the Setup Tool.

Setup Tool

Improved Display of IP routing table

The IP routing table is now displayed in the style of the UNIX netstat command. Flags inform about the status of the interface (up, dormant, blocked) and the type of the route (gateway, interface, subnet, host).

X.25 Configuration

The Setup-Tool has been enhanced with X.25 configuration. It allows configuring X.25 links and adding or changing X.25 routes.

Bug Fixes

CAPI 1.1

- Changing of B channel protocols during a connection using the CAPI_SELECTB2_REQ and CAPI_SELECTB3_REQ messages now works as specified. Previously the B channel protocol remained unchanged.

CAPI 2.0

- The capi_getprofile() message now returns the correct number of installed B channels, previously the returned number was too large by one.

- The coding and decoding of the elements bearer capability, low layer compatibility, and high layer compatibility within the CAPI_CONNECT_IND and CAPI_CONNECT_REQ messages now correctly begins with octet three, instead of octet one as before.
- Illegal digits (not »0«-»9«, »#«, »*«) within the called party number and the calling party number are now filtered by the CAPI.
- Incoming X.31 connections (X.25 on the D channel) are now signalled as specified.

NetBIOS over IPX

- NetBIOS messages over IPX are now handled correctly. The settings of the *ipxAdmNETBIOSRepl* field in **ipxAdmin** (*on, off, lan_only*) now work as described in the Software Reference.



Please note that when setting *ipxAdmNETBIOSRepl* to *on* in a LAN with stations using NetBIOS, a lot of WAN connections are set up to replicate NetBIOS type 20 packets.

This may cause high costs.

Setup Tool

- WAN routes *with* transit network are now displayed correctly in the IP routing table, they were previously displayed as having *no* transit network.
- When configuring IP routes for WAN partners now the user-defined netmask is used (instead of the default netmask for that class).
- When using LAPB or HDLC encapsulations for ISDN partners the direction (incoming, outgoing, both) for already defined ISDN numbers now remains unchanged. Previously the direction was changed from *both* to *outgoing*, and *incoming* numbers were deleted.

SNMP

- The correct type (timeticks) is now used for the timestamp field in outgoing SNMP trap packets.

TCP/IP and Telnet

- Connections using TCP/IP—such as Telnet, BRICKtrace, and Remote CAPI applications—between the BRICK-XS and NetManage Chameleon TCP/IP now work correctly.

Miscellaneous

- The entries for call Duration, Charge, and sent and received packets in the *isdnCallHistoryTable* and in accounting outputs now contain the correct data.