



BRICKware for Windows

XCENTRIC

Release Notes

Release 5.2.1 **XCENTRIC**

February 2001



New Software

Release 5.2 Revision 1

This document describes the new features, bugfixes and changes made to the software BRICKware for Windows for Release 5.2 Revision 1 for **XCENTRIC** .



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1 Upgrading BRICKware for Windows

- Retrieve the current software BRICKware for Windows from BinTec's WWW server at <http://www.bintec.de> (section: Download for **XCENTRIC**). The current software BRICKware for Windows Release 5.2.1 for **XCENTRIC** can also be found on the current ISDN Companion CD for **XCENTRIC**.
- We also recommend retrieving the current online reference **BRICKware for Windows** (in Adobe's PDF format) from the address noted above. The current documentation can as well be found on the current ISDN Companion CD for **XCENTRIC**.
- Deinstall the former version of BRICKware for Windows on your PC.



Be sure to install BRICKware for Windows Release 5.2.1 for **XCENTRIC**, because other current BRICKware for Windows Releases do not contain the **XCENTRIC** tools. There may also occur problems with different versions of the MIB with other BRICKware for Windows Releases.

- Install the current BRICKware for Windows by double-clicking the received file. The setup program will guide you through the installation (described in **BRICKware for Windows**).

2 New Features

2.1 The New Windows Activity Monitor

This new BRICKware for Windows release includes a new-look Activity Monitor, that will improve the clarity and ease of interface monitoring, as well as allowing the manipulation of the states of selected interfaces.



In order to be able to use this improved Windows application, the system software running on the **XCENTRIC** has been specially extended. It will thus only be possible to use the new feature (i.e. manipulation of interface states) of the Activity Monitor when running release 5.2.1 or higher.

Here is an overview of the most significant changes made to the Activity Monitor:

- The **Activity Monitor configuration** dialog box has been completely redesigned. A network tree structure is now displayed in the left portion of the dialog box. On the left of the tree structure, all routers that send UDP packets to the Activity Monitor are listed. All the interfaces of each router can be viewed on the next level directly below the selected router. By clicking on an interface, the properties of that interface are displayed on the right hand side of the dialog box.
- By selecting individual interfaces in the tree structure and by checking the **Add to Composition Window** box, it is also possible to show a window composed of pre-selected interfaces. Once all the interfaces have been selected, click **Apply** and then on the file menu, click **Composition Window** (alternatively, using the right mouse button, click the interface symbol in the **status area** and select **Show Composition Window**). The mode displayed (Data, Flow, History) for each window either in the **Composition**

Window or in a separate window can be selected again by right-clicking on the window of a given interface and selecting one of the modi.

- Once the router in question is running system software 5.2.1 or higher, interfaces of that router can be remotely manipulated (enabled or disabled) by an administrator using the Activity Monitor. Permission to do so involves entering the admin password of the router. Transmitted passwords are encrypted. Once the password has been authenticated, individual commands, such as `enable`, `disable`, `clear calls` or `dial-up`, can be selected for one or a number of interfaces.
- When a number of WAN interfaces have been checked as **IsProvider** (Internet Service Providers) and the command is given to enable one of these interfaces, the interface connection of any other active WAN partner configured as an ISP is torn down.



For a detailed description of this feature, an online help is available on the official release of BRICKware for Windows 5.2.1

2.2 Configuration Wizard

2.2.1 Configuration of IP Address of WINS Server

When configuring your router over the Expert mode of the Configuration Wizard, it is now possible to enter the IP address of a WINS server on the LAN.

2.2.2 Configuration of DNS Proxy Records

If no local DNS server has been entered, the Expert mode of the Configuration Wizard allows the creation and administration of a list of static DNS entries. Each DNS record consists of a host name and its corresponding IP address. These DNS records are stored as static positive entries in the **ipDnsTable** on

the **XCENTRIC**. The router configured is thus able to act as a mini DNS server (DNS proxy) in the LAN and resolve names into their corresponding IP addresses if a record of that host name and corresponding IP address has been configured.

2.2.3 DNS Forwarding

If there is a **DNS server on the LAN** and that check box is selected, all DNS requests are expected to be sent to a DNS server on the local network.

If there is no DNS server on the LAN, the router uses the DNS forwarding feature to forward requests to the DNS server of a remote partner.

If there is no DNS server on the local network and a LAN-LAN connection is configured as well as a connection to an ISP, the router has to decide where to forward DNS requests: to the DNS server of the ISP or to a DNS server on the remote LAN.

The router can make decisions to forward DNS requests on the basis of the domain name suffix of the name to be resolved. It is now possible to specify these domain name suffixes in the **Router as DNS Proxy** dialog box in the LAN-LAN connection section of the Configuration Wizard.

If the name to be resolved contains one of the domain name suffixes specified and intended for the remote LAN partner, the request is sent to the DNS server on the remote side of the LAN-LAN connection; if the name to be resolved does not contain one of the domain suffixes specified, the request is sent to the DNS server of the ISP by default.

2.3 Configuration Manager

The settings of the PABX of **XCENTRIC** can now be changed, created and deleted over the Configuration Manager. A user-friendly navigational tree struc-

ture displays almost all PABX elements which when selected can be configured over the corresponding dialog box.

2.4 PABX Tools

2.4.1 New PABX Tools for XCENTRIC

Although not formally belonging to the BRICKware suite of programs, four new PABX tools especially implemented for use with **XCENTRIC** are now installed with the BRICKware programs:

- Voice Mail Server
- Operator Desk
- Power Phone
- LCR Manager

3 Changes

3.1 Configuration Wizard

3.1.1 Complex NetBIOS Filters in Quick Mode

Up until this release, only simple NetBIOS filters were generated in the quick mode of the Configuration Wizard.

Simple NetBIOS filters will continue to be generated for interfaces over which LAN-LAN connections are made in the Wizard's quick mode. Now, however, for all other interfaces, complex NetBIOS filters are automatically generated in the Quick Mode of the Configuration Wizard. This minimizes further the possibility of unwanted connections being made.

3.1.2 Quick Mode and the Activity Monitor

Up until this release, Quick Mode automatically entered the IP address of the PC running the Configuration Wizard without directly informing the user. The PC that carried out the configuration, however, may not have been intended to be the Activity Monitor client in the first place.

This could have led to unwanted connections if the IP address of the BinTec router was changed, but the IP address (of the PC that carried out the pre-configuration) remained the same in Setup Tool under **System ► External Activity Monitor ► Client IP Address**.

Now the IP address of the PC running the Configuration Wizard is not automatically entered in Quick Mode. Instead, all hosts on the LAN that have the Activity Monitor installed can receive broadcasts and thus monitor the activity of the BinTec router.

3.1.3 IPX Deactivated on All Interfaces

By default, the Configuration Wizard activated IPX for all interfaces. IPX is now deactivated for all interfaces.

3.2 Companion CD

3.2.1 New Foreign Language Versions Available

Some parts of the BRICKware program suite are now additionally available in Italian, French and Spanish. The user is asked to select a language in the main setup. Then all parts of the BRICKware which are available in the selected language will be installed in this language. The products translated are the following:

- BRICKware Setup
- Configuration Wizard
- CAPI/TAPI Configuration
- TAPI Popup Dialogs
- Main Setup

3.2.2 Documentation Setup

The documentation setup has been redesigned.

3.3 CAPI/TAPI Configuration

3.3.1 Global CAPI/TAPI Setting is Default

Since release 5.1.4, users can store their CAPI/TAPI configurations in two different ways.

On the **Advanced** page of CAPI and TAPI Configuration, the **Use global settings for the Remote Clients** check box can be used to make settings available to all users of that machine, or if the box is unchecked, the CAPI/TAPI settings remain user-specific.

From release 5.2.1, the default setting for the **Use global settings for the Remote Clients** check box is selected.

3.4 BRICKware Setup

The following modifications have been made to the master setup of the suite of BRICKware programs, several smaller problems are resolved as a result of these changes:

- The "look and feel" of the install routine has been enhanced by the use of InstallShield 6.
- With the conversion to a 32-bit version of DIME Tools, all programs belonging to the BRICKware suite are now 32-bit applications. As a result of this conversion, several problems will be resolved, e.g. the lifting of restrictions on file name length, or poor performance of syslog messages over DIME Tools under Windows NT.
- The following operating systems are no longer supported: Windows 3.x and Windows NT 3.x.

- During setup, it is possible to select between German and English language versions. When one of these languages is selected, all texts of some of these programs in the suite are displayed in that language.
- It is strongly recommended to uninstall an existing version of BRICKware before installing BRICKware release 5.2. revision 1.
- The default path to which the BRICKware files are saved has changed. Previously, files were saved to C:\brick by default; now the default setting is C:\Program Files\BinTec. If there is an existing configuration and you do save to the new directory, the various configuration path settings, e.g. TFTP or syslog daemon path settings in Dime Tools, must be manually changed to the new directory where the files have been installed.

3.5 Remote TAPI

- A new 32-bit driver has been installed for Windows 98.
- Now (with the exception of Windows 95) the hook dialog appears in the language version selected during the installation process.
- Windows 95: Only if a Tapi server 2.1 is already installed on your PC, a 32-bit driver is installed. Otherwise a 16-bit driver is installed.

3.6 DIME Tools

3.6.1 Long Path Settings and File Names

As Dime Tools is now a 32-bit application, it is now possible to use long path settings and file names in all of the DIME Tools, e.g. for TFTP, Syslog or BootP path settings.

3.6.2 ISDN Tracer Selection Extended

The X1000/1200 has been added to the drop-down listbox of BinTec router types available for selection. For increased flexibility, **other bintec device** also supplements this listbox, in this case, the slot and unit numbers can be entered without having to specify the router type, if it is unknown, for example. In the right listbox, three units of the expansion slot for X4000 have been added and can be selected as connector for the ISDN interface you wish to trace.

3.7 Java Status Monitor Dropped

From this current release (5.2.1), the Java Status Monitor is no longer included in the BRICKware programs suite because the Activity Monitor has taken the functions of the Java Status Monitor.

4 Bug Fixes

4.1 Configuration Manager

4.1.1 Application Stops Responding (XCENTRIC only)

After saving without having previously loaded a table, the application could fail to save and to respond to any further commands.

Current status: This bug has been fixed.

4.1.2 Display of Interface

Under certain circumstances, the name of an interface was not displayed correctly in Configuration Manager.

Current status: This bug has been fixed.

4.1.3 PABX Not Configurable

Manifestation: It was not possible to configure the PABX over the Configuration Manager. Although the dialog box implemented for the purpose of configuring the PABX appeared, only the Cancel button was enabled.

Current status: see above [chapter 2.3, page 8](#).

4.2 Configuration Wizard

4.2.1 Default Number of a/b Terminals

If an ISDN module (XCM-5S0) was installed in a slot number lower than an a/b module (XCM-S04AB), the Configuration Wizard erroneously and by default generated 2 terminals for the analog units. It should only have generated one terminal for each analog unit.

Current status: This bug has been fixed.

4.3 CAPI/TAPI Configuration

4.3.1 CAPI Global Settings Under Win2000

In the CAPI/TAPI Configuration when running Windows 2000, the **Use Global Settings for the Remote Clients** setting did not work properly. This setting only worked for users belonging to the **Administrator** or **Power User** groups. The setting did not work for members of the **User** group.

Current status: This bug has been fixed.

4.3.2 TAPI Global Settings Under Win2000

TAPI only works under WIN2000 when **Use Global Settings for the Remote Clients** setting is configured. This is also the default setting.

4.3.3 CAPI/TAPI Configuration Rights

Only the administrator can change settings to the CAPI/TAPI configuration when the **Use Global Settings for the Remote Clients** setting is configured;

this is the default value since this release (release 5.2.1). Non-administrator users can only alter the CAPI/TAPI settings if the administrator clears the **Use Global Settings for the Remote Clients** check box.

4.4 Remote TAPI

4.4.1 Supplementary Services

Problems concerning the following supplementary services were resolved:

- Call deflection
- 3pty (three-party conference)
- ECT (explicit call transfer)

4.4.2 False New Calls

Manifestation: In just a few TAPI applications, e.g. the Windows 2000 Dialer, immediately after a call was dropped, a new call was shown on the application and then immediately switched to idle.

Current status: This bug has been fixed.

4.4.3 Multiple Hook Dialog Messages

Manifestation: If several attempts were made to make a call (redial), a hook dialog message requesting the caller to lift the receiver was created for each redial attempt. Once the receiver was lifted, only one hook dialog message was deleted, leaving those created for the redial attempts on the screen.

Current status: Now the redial function does not create additional hook dialog messages.

4.5 CAPI

4.5.1 Repeated Error Messages

Manifestation: Under certain circumstances, the remote CAPI client (CAPI2032.dll) sent repeated confirmation messages (either CONNECT_CONF, FACILITY_CONF, INFO_CONF) with the error message, Error 0x2003 CAPI2_E_OUT_OF_PLCI, back to the CAPI application.

Current status: This bug has been fixed.

4.6 CD Master Setup

4.6.1 Installing CTI Software from the CD

Manifestation: There were problems installing BinTec CTI software from the Companion CDs 5.1.3 or 5.1.4. The software may not have reacted immediately to a simple mouse click under Windows NT; there may have been a delayed reaction; or it may have failed to respond entirely.

In the latter case, it was necessary to trigger the installation program by hand.

Current status: This problem was resolved by the integration of a 32-bit master setup of the Companion CD.

5 Known Issues

5.1 Configuration Manager

5.1.1 Creating New Indices in some Tables

If all variables in each of the following tables are not given a value, it is not possible to create new indices for the **sapAllowTable**, **sapDenyTable**, **ipxAllowTable** and **ipxDenyTable**.

In addition, for a new index to be created, it is necessary to set at least one of the following variables to *verify*: **SockNode**, **NodeMode**, **NetNode** or **TypeMode**.

To make sure a new index is created, enter a value for each variable regardless if the variable is set to *don't verify* or not.

5.2 CAPI/TAPI Configuration

5.2.1 Fails To Start

The executable CAPI/TAPI Configuration file, `rxs_cfg.exe`, can, under certain circumstances, fail to start. If it doesn't work a second time, restart your system and try again.

