Quick Install Guide

XCENTRIC

Congratulations on deciding to buy XCENTRIC, a new-generation modular telecommunication server. XCENTRIC offers you all the advantages of a multiprotocol router from the BIANCA/BRICK range of BinTec Communications AG. XCENTRIC is also a modular, extendible private automatic branch exchange (PABX) for digital and analog terminals.

With the Configuration Wizard on the BinTec Companion CD, BinTec Communications offers you a quick and convenient way to start running your XCENTRIC. You can create a basic configuration via the serial interface of your Windows PC. This basic configuration includes all the important settings for XCENTRIC, access to the Internet via an Internet Service Provider (ISP), and connection to a WAN partner (e.g. a corporate headquarters). As the Configuration Wizard guides you step by step through the configuration, detailed knowledge of networking technologies is not necessary. Graphic illustrations and a detailed online help system you can access at any time during the configuration give you additional support.

The Configuration Wizard is one of several possible ways of configuring your XCENTRIC. Access to your XCENTRIC in this case is via the serial interface. Other means of access and possible ways of fine tuning your configuration are described in your manual.

The following system requirements are necessary:

- ■ Windows 95/98 or Windows NT 4.0
- ■ Network card installed (Ethernet)
- ■ Installed Microsoft TCP/IP protocol (see chapter 2 "Checking and Installing the TCP/IP Protocol")
- ■ High-color monitor (more than 256 colors) for correct display of graphics.

This Quick Install Guide takes you step by step through a basic configuration of your XCENTRIC. Congratulations on your new purchase and have fun!

1   Setting up and Connecting

How to set up and connect your XCENTRIC is described in the chapter "Hardware Installation" in the XCENTRIC manual.

⚠ **Caution!** Please read the safety precautions and installation instructions in the chapter "Hardware Installation" in the manual before carrying out the installation of XCENTRIC.

Before you can configure XCENTRIC with the Configuration Wizard, you must connect XCENTRIC to the PC with a serial connection.

2   In Advance of Configuration

Basic Settings

Before you start to configure your XCENTRIC, make sure you have the following information about your ISDN connections, network environment, telephones connected and users. A detailed description of the modules equipped in XCENTRIC is also necessary.

A list of all the information you will need in the course of basic configuration of XCENTRIC with the Configuration Wizard is given below. We recommend that you collect the necessary data in a clearly arranged form so that this is readily available during installation work.

The following data are required:

- ■ IP address
  If you have an existing network, ask your system administrator for the IP address and netmask of your XCENTRIC. If you are configuring a new network, you can use the example values (192.168.1.254 for the IP address and 255.255.255.0 for the netmask).

- ■ Detailed description of modules
  You need information about which communication module (XCM-5S0 or XCM-S04AB) is installed in each slot of XCENTRIC. For the XCM-5S0 module, you must also know which units are configured as external and which as internal. For the external units on XCM-5S0 and the external unit 0 on XCM-S04AB, you must indicate if the connections are to a point-to-multipoint or point-to-point connection.

- ■ Information about your ISDN connections
  For a point-to-multipoint connection, you need the individual MSNs assigned to you. For point-to-point connections, you need the main number and the extension numbers range assigned to you.

- ■ External line access
  You must decide if you want to configure automatic external line access or external line access by dialing an exchange number as prefix.

- ■ Users
  You need a list of all users in your network that are to use CAPI or TAPI services. A user name, a password and permission to use the CAPI and/or TAPI must be created for each user. See chapter 5.

- ■ Extension numbers
  The Configuration Wizard configures one or no terminal (telephone) for each ab unit (XCM-S04AB) and one, two or no terminals (telephones) for each internal S0 unit (XCM-5S0) in accordance with your inputs.
  You can use a standard configuration from the Configuration Wizard for the extension numbers.
  If you want to configure your own extension numbers, you need a detailed list showing the terminal and subsystem to which each extension number is to be assigned. In this case, the users must be explicitly assigned to the terminals and CAPI in the Configuration Wizard.

Internet Access

For access to the Internet via your Internet Service Provider (ISP), e.g. T-Online, you will need access information that should be provided by your ISP (different ISPs may use different terminology).

Access data	Example	Your value
Provider name	GoInternet	
Dial-in number	1234567	
User account	MyName	
Password	TopSecret	

Some ISPs, for example T-Online, need additional information, such as the T-Online number and joint user account.

Corporate Network Connection (LAN-LAN Connection)

For the connection to a corporate network or another WAN partner, you must have the following information about the opposite terminal.

Access data	Example	Your value
Partner's name	BigBoss	
Dial-in number	0911987654321	
Local name	LittleIndian	
Password	Secret	
Partner's network address(es)	10.1.1.0	
Partner's netmask(s)	255.255.255.0	

Agree upon the data with your partner: You must both use the same password; your entry for "local name" and your partner's entry for "partner's name" must be identical; your entry for "partner's name" and your partner's entry for "local name" must also be identical.

Checking and Installing the TCP/IP Protocol

The TCP/IP protocol is the "language" PCs use to communicate over the network and to connect to the Internet. Make sure the TCP/IP protocol is

installed before you start the configuration. To check if the TCP/IP protocol is already installed or to install it now, proceed as follows:

➤ Click **Settings** ➧ **Control Panel** in the Start menu. Double click **Network**.

➤ Windows 95/98: Look for **TCP/IP** in the list of network components.

➤ For Windows NT: Select the **Protocols** tab. Search in the network protocols list for **TCP/IP protocol**.

➤ If you can't find this entry, install the TCP/IP protocol as described below. Otherwise, close the dialog box and continue with "Installing BRICKware".

Installing the TCP/IP protocol:

➤ Windows 95/98: Click **Add** in the **Network** dialog box. Select **Protocol** in the list of network components. Click **Add**. Select **Microsoft** as manufacturer and **TCP/IP** as network protocol. Click **OK**. In an existing network, you might have to configure additional settings here. Ask your system administrator. If you are setting up a new network, click **OK**. Your PC is now configured as a DHCP client.

➤ For Windows NT: Click the **Protocols** tab in the **Network** dialog box. Click **Add**. Select **TCP/IP protocol** from the list of network protocols. Click **OK**. Click **Yes** if you are configuring a new network (PC as DHCP client). In an existing network, ask your system administrator.

➤ Follow the instructions on the screen and finally restart your PC. Repeat the installation on all PCs with which you need to access the Internet or corporate network.

3 Installing BRICKware

Close all Windows programs on your PC.

➤ Place your BinTec Companion CD in the CD-ROM drive of your PC. The Start window appears automatically after a short time. If the Start window does not open automatically, click your CD-ROM drive in Windows Explorer and double-click **setup.exe**.

➤ Click **BRICKware**. The setup program starts.

➤ Specify the directory in which BRICKware should be installed.

➤ Select your equipment.

➤ Select the software components to be installed or use the preset settings.

DIME Tools contain mainly tools for the configuration, maintenance and diagnosis of your router. For the basic operation of XCENTRIC, it is not necessary to have DIME Tools started automatically by Windows. The Configuration Wizard starts after the installation.

4 Configuration

Configuration of the basic settings of XCENTRIC is quick and easy with the Configuration Wizard. Please note: If you have already created a configuration with the Configuration Wizard, the Wizard can use the preset values. At the end, the configuration is transferred to XCENTRIC and also saved on the PC.

You can carry out the configuration in either Quick Mode or Expert Mode. If you are unfamiliar with networking technologies, choose Quick Mode.

You can select from the following configuration options: basic configuration, Internet access and corporate network connection (LAN-LAN connection). The basic configuration is essential. It integrates XCENTRIC in your local network.

➤ Select the desired options and follow the instructions on the screen.

➤ If you have set up a new network and installed the TCP/IP protocol on the PC as described above, configure your router as a DHCP server.

In this case, the PC must be assigned an IP address over DHCP at the end of configuration. This happens automatically under Windows NT. Under Windows 95 or 98, the Configuration Wizard starts the program WINIPCFG:

➤ Click **Yes** to start WINIPCFG. Click **Renew All** and then click **OK**.

5 Configuring a PC

At the end of configuration with the Configuration Wizard, the CAPI and TAPI configuration on your PC starts automatically. CAPI enables you to use applications for sending and receiving faxes and for an answering service facility. TAPI enables you to use CTI applications for computer-aided telephoning.

➤ In the **Remote CAPI** tab, enter the IP address of your XCENTRIC and the user name and password of users set up with the Configuration Wizard, if these have not already been entered. Click **Use these values**. Repeat these steps for the **Remote CAPI** tab. Click **OK**.

If necessary, carry out the TAPI/CAPI configuration for all PCs in your network. Refer to chapter 12 in your User's Guide or to the online document BRICKware for Windows.

You can set up Internet access and a corporate network connection over XCENTRIC for all PCs located in a network with XCENTRIC. In order to do this, you must configure the router as gateway and as DNS server on all PCs that have not been configured as DHCP clients. Proceed as follows:

➤ Click **Settings** ➧ **Control Panel** in the Start menu. Double click **Network**.

➤ Select **TCP/IP** in the network components list (for Windows NT it is on the **Protocols** tab) and click **Properties**.

➤ Enter the IP address of XCENTRIC in the **Gateway** tab under **New Gateway**. Click **Add**. (Windows NT: Enter the IP address of your router in the **IP Address** tab under **Standard Gateway**).

➤ Click the **DNS Configuration** tab and enter the IP address of XCENTRIC under **DNS Server Search Order**. Click **Add** and then **OK**. Follow the instructions on the screen.

6 Testing the Configuration

You have successfully finished the configuration of your XCENTRIC!

➤ Now remove the cable from XCENTRIC's serial port.

⚠ **Caution!** Incorrect configuration of the devices in your LAN may result in unintended connections and increased charges! Monitor your XCENTRIC and make sure that the system does not establish unwanted ISDN connections (and charges). Make sure you read the information on increased ISDN charges in your User's Guide. The Activity Monitor helps you to monitor the activities of your XCENTRIC.

➤ Test the connection to your XCENTRIC. Click **Run** in the Start menu and enter **ping**, followed by a space and the IP address of your router. A window appears with the response **"Reply from..."**.

Now open your Internet Browser and enter **www.bintec.de** to test access to the Internet. BinTec's Internet site contains the latest news, updates and further documentation.