

| FCC Part 15 Notice |

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Class B limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is not guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Increase the separate between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Using This Document

Thank you for using the product of Corecess. This manual will show you how to set up the Corecess 3115 ADSL modem, and how to customize its configuration to get the most out of your new product.

This user manual uses the following conventions:



Note: Introduces useful item for the use of product, reference, and its related materials.



Caution: Explains possible situations or conditions of improper operation and possibility of losing data and provides suggestions how to deal with those cases.

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Introduction

The Corecess 3115 is an Asymmetric Digital Subscriber Line (ADSL) modem used for home connectivity to an ADSL service provider network. The Corecess 3115 ADSL modem receives adaptive data rates of up to 8Mbps downstream and transmits 1Mbps upstream.

Key Features

The Corecess 3115 ADSL modem provides the following key features:

- Internal ADSL modem for high-speed Internet access
- 10/100Base-T Ethernet router to provide Internet connectivity to all computers on your LAN
- USB port for connecting a USB-enabled PC (optional)
- Network address translation (NAT), Firewall, and IP filtering functions to provide security for your LAN
- Network configuration through DHCP Server and DHCP Relay
- Services including IP route and DNS configuration, RIP, and IP and DSL performance monitoring
- Configuration program you access via an HTML browser

System Requirement

In order to use the Corecess 3115, you must have the following:

- ADSL service up and running on your telephone line, with at least one public Internet address for your computer.
- One or more computers each containing an Ethernet 10Base-T/100Base-T network interface card (NIC) and/or a single computer with a USB port.
- An Ethernet hub/switch, if you are connecting the device to more than one computer on an Ethernet network.
- For system configuration using the supplied web-based program: a web browser such as Internet Explorer v5.0 or later, or Netscape v4.7 or later.

Types of ADSL Service

The Corecess 3115 supports the following types of ADSL service.

Bridge Mode

The Corecess 3115 in bridge mode behaves like a wire which is connecting a local PC directly to a service provider's network.

Router Mode

The Corecess 3115 in router mode can be organized as a small LAN using NAT and DHCP server function with IP routing. It allows multiple PCs to communicate and share the resource using only one ADSL line. There are three types of router mode: PPPoA/PPPoE, Static IP, and Dynamic IP.

The following table shows the typical configuration for using the Corecess 3115 in bridge mode or router mode.

ADSL Service Configuration		Bridge Mode	Router Mode		
			PPPoA/PPPoE	Static IP	Dynamic IP
WAN	VPI/VCI	Provided by ISP	Provided by ISP	Provided by ISP	Provided by ISP
	Static IP Address	N/A	N/A (Automatically assigned by ISP)	Provided by ISP	N/A (Automatically assigned by ISP)
	Subnet Mask	N/A	N/A (Automatically assigned by ISP)	Provided by ISP	N/A (Automatically assigned by ISP)
	Default Gateway	N/A	N/A (Automatically assigned by ISP)	Provided by ISP	N/A (Automatically assigned by ISP)
	Encapsulation	1483 Bridged IP LLC	PPPoA VC-Mux/ PPPoE LLC	1483 Bridged IP LLC	1483 Bridged IP LLC
	Bridge	Enabled	Disable	Disable	Disable
	PPP User Name	N/A	Provided by ISP	N/A	N/A
	PPP Password	N/A	Provided by ISP	N/A	N/A
	DHCP Client	Disable	Disable	Disable	Enabled
LAN	IP Address	N/A	10.0.0.2 (Default)	10.0.0.2 (Default)	10.0.0.2 (Default)
	Subnet Mask	N/A	255.0.0.0 (Default)	255.0.0.0 (Default)	255.0.0.0 (Default)
	DHCP Server	N/A	Enabled	Enabled	Enabled

(continued)

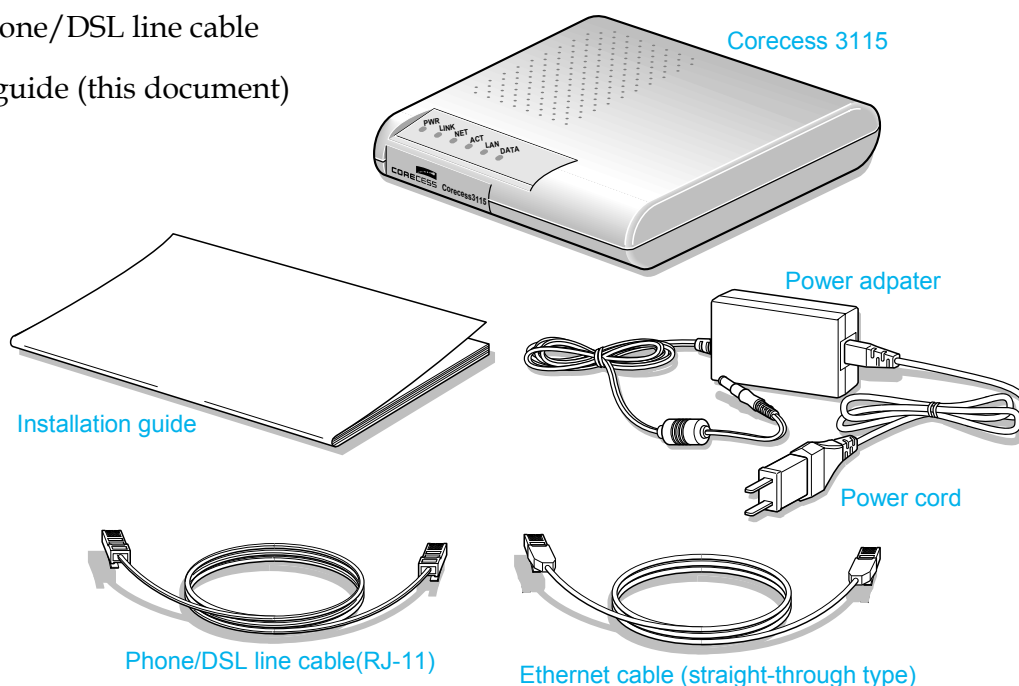
ADSL Service Configuration	Bridge Mode	Router Mode		
		PPPoA/PPPoE	Static IP	Dynamic IP
NAT	N/A	NAPT	NAPT	NAPT
DNS	N/A	N/A (Automatically assigned by ISP)	Provided by ISP	N/A (Automatically assigned by ISP)

Getting to Know the Corecess 3115

Unpacking the Box

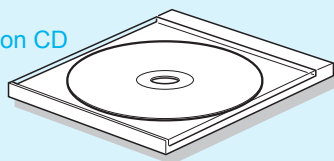
Check the shipping carton carefully to ensure that the contents include the items you ordered.

- Corecess 3115 ADSL modem
- Power adapter and power cord
- Ethernet cable (“straight-through” type)
- Standard phone/DSL line cable
- Installation guide (this document)

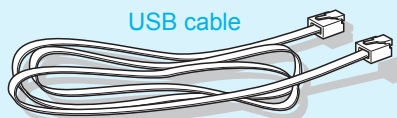


Note: If you purchase the Corecess 3115 model which has an USB port, the following optional USB cable and installation CD are included in the package:

Installation CD



USB cable



Note: The following hardware is not provided but necessary to install and configure the Corecess 3115. Before installing the Corecess 3115, prepare the following hardware:

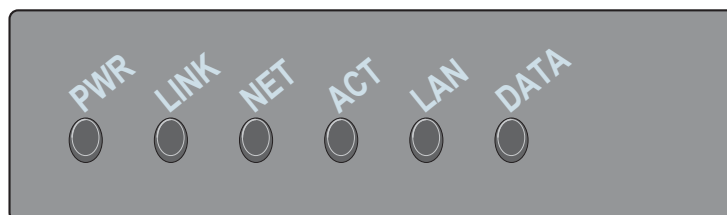
- Micro-filter or splitter (provided separately by your service provider)
- PC with Ethernet port or adapter (optional)



Caution: To reduce the risk of fire, use only No. 26AWG or larger telecommunication line cord.

Front Panel

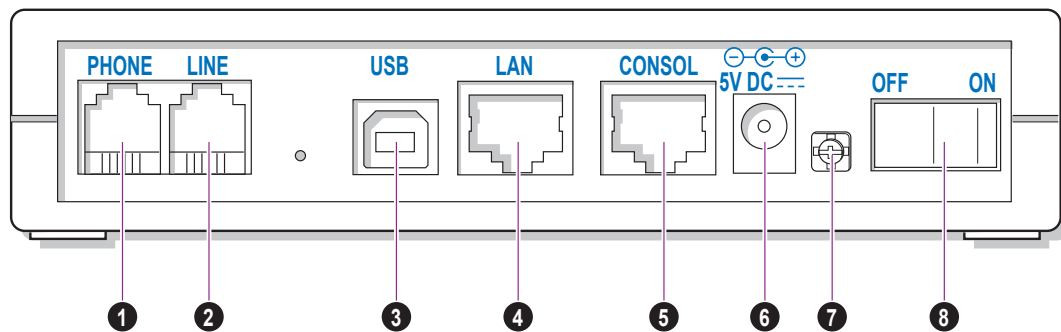
The front panel contains lights called LEDs that indicate the status of the unit.



Label	Color	Function
PWR	Green	On : The Corecess 3115 is powered on. Off : The Corecess 3115 is powered off.
LINK	Green	On : ADSL link is established and active. Flash : The Corecess 3115 is trying to establish ADSL link. Off : No ADSL link.
NET	Green	On : WAN link is established and active. Off : No WAN link.
ACT	Green	Flash : ADSL data activity occurs (may appear solid when data traffic is heavy). Off : No ADSL data activity.
LAN	Green	On : LAN link is established and active. Off : No LAN link.
DATA	Green	Flash : LAN data activity occurs (may appear solid when data traffic is heavy). Off : No LAN data activity.

Rear Panel

The rear panel contains the ports for the unit's data and power connections.



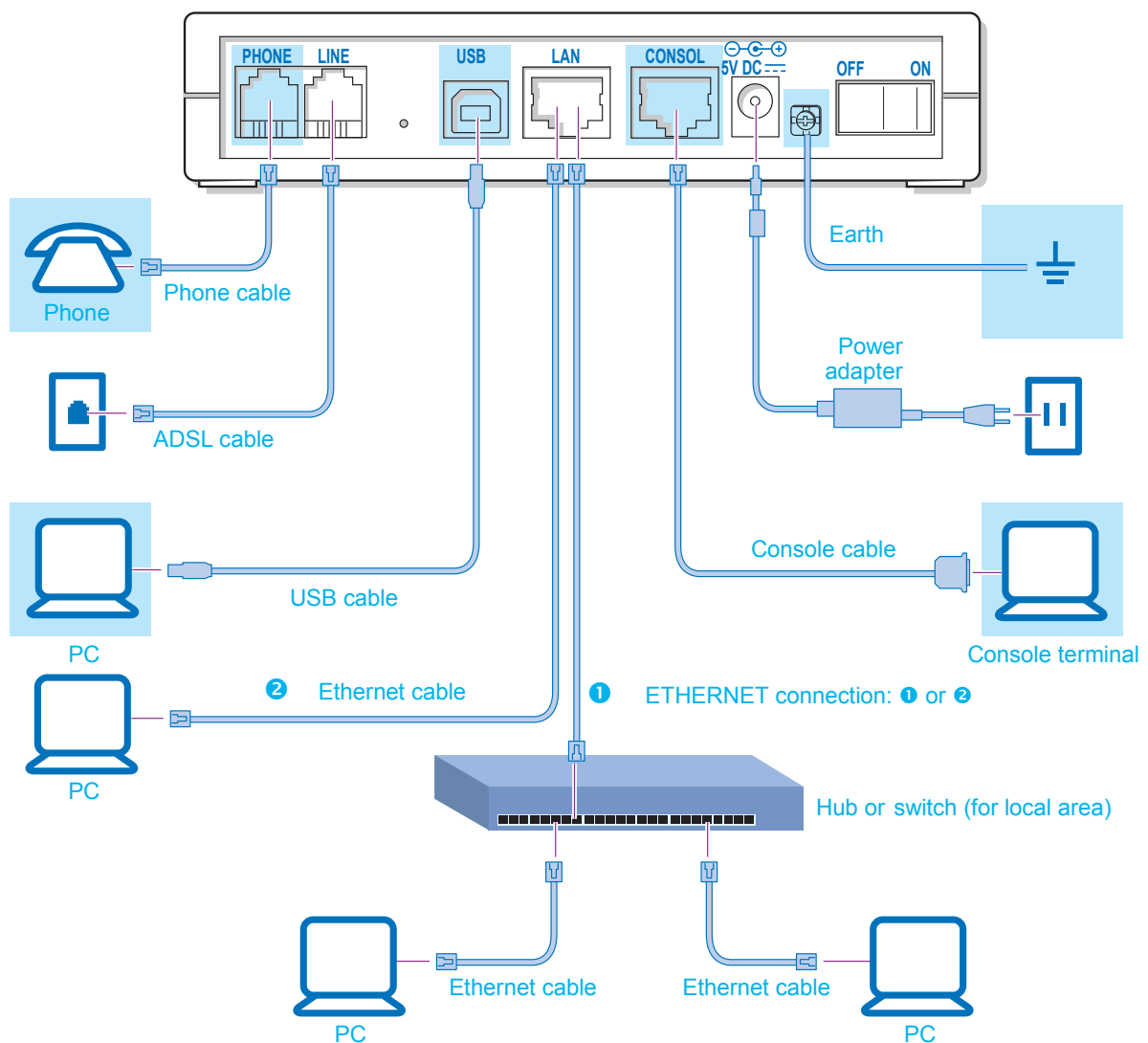
No.	Name	Function
❶	PHONE*	Connects to a telephone.
❷	LINE	Connects the device to a telephone jack for DSL communication.
❸	USB*	Connects to the USB port on your PC.
❹	LAN	Connects the device to your PC's Ethernet port, or to the uplink port on your LAN's hub, using the cable provided.
❺	CONSOL*	Connects the device to a console terminal.
❻	DC IN	Connects to the supplied power converter cable.
❼	(F/G) *	Connects to Frame Ground for earthing.
❽	OFF/ON	Switches the unit on and off.

※ The parts with * in the 'Name' field are optional. They could be provided or not according to the Corecess 3115 model which you have purchased.

Connecting Hardware

The Corecess 3115 supports both the POTS splitter and micro-filter phone configurations. Before cabling the Corecess 3115, verify your configuration with your service provider. This section describes how to connect the Corecess 3115 to the phone jack, the power outlet, and your computer or network.

The following figure illustrates the hardware connections. The layout of the ports on your device may vary from the layout shown. Refer to the steps that follow for specific instructions.



※ The parts covered  with are optional.

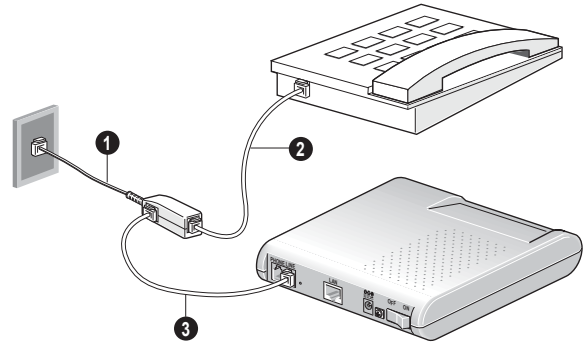
<네모가 with 뒤로 가도록 해주세요.>

Basic Procedure of Cabling

Connecting ADSL Line (LINE Port)

If the Corecess 3115 doesn't have the PHONE port:

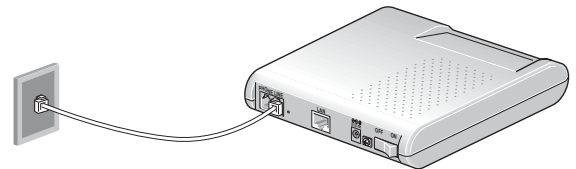
- ❶ Unplug the telephone line from the wall receptacle and plug the line end of the micro-filter to the wall phone jack.
- ❷ Connect the telephone cable that was unplugged from step 1 to the **Phone** port of the micro-filter.
- ❸ Connect the provided phone/DSL cable to the **Modem** port of the micro-filter and then connect the other end of the cable to the **LINE** port of the Corecess 3115.



<위 그림에서 PHONE 포트를 삭제해주세요.>

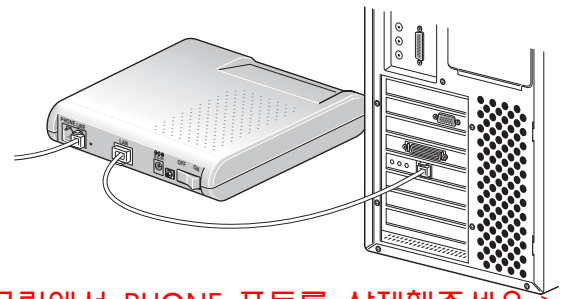
If the Corecess 3115 has the PHONE port:

Unplug the telephone line from the telephone and plug the line to the **LINE** port of the Corecess 3115.



Connecting PC (LAN Port)

If you use the Ethernet adapter, connect the provided Ethernet cable to the **LAN** port of the Corecess 3115 and then connect the other end of the cable to **Ethernet** port on the NIC installed to your PC.



<위 그림에서 PHONE 포트를 삭제해주세요.>

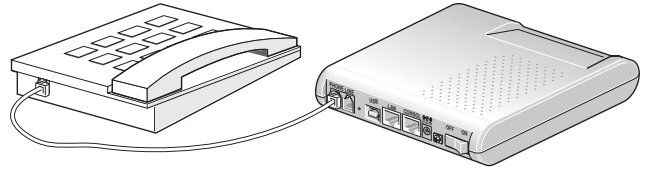


Note: If you are connecting a LAN to the Corecess 3115, you must use a “crossover” Ethernet cable (not provided) to attach a regular hub or switch port. The crossover cable is wired differently than the cable you would use to connect to a hub. When you compare the colored wires on each end of a straight-through cable, they will be in the same sequence; on crossover cables, they will not. Contact your ISP for assistance.

Optional Procedure of Cabling

Connecting Telephone (PHONE Port)

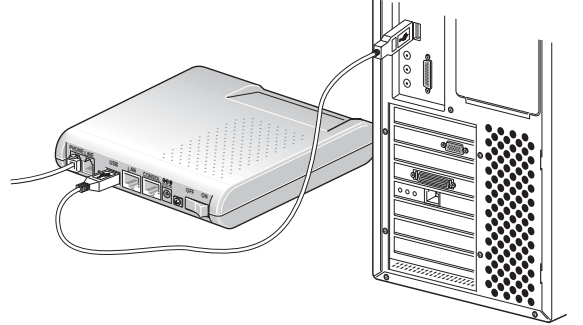
Connect the telephone line to the **PHONE** port of the Corecess 3115 and a telephone.



<위 그림에서 LINE 포트에 케이블이 연결되어 있게 해주세요.>

Connecting PC (USB Port)

If you use the USB port, connect the provided USB cable to the **USB** port of the Corecess 3115 and then connect the other end of the cable to **USB** port on your PC.



<위 그림에서 LINE 포트에 케이블이 연결되어 있게 해주세요.>



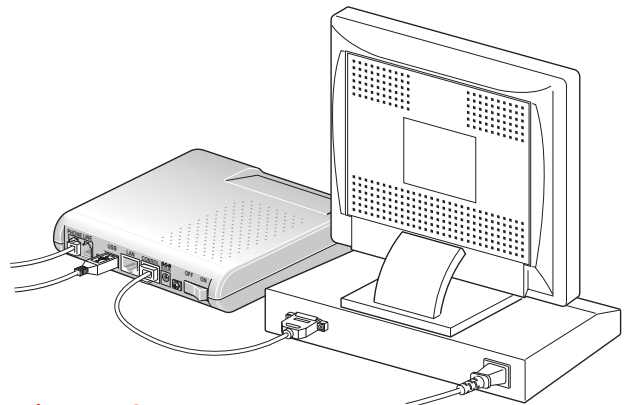
Note: You can attach a single computer to the device using a USB cable. The USB port is useful if you have a USB-enabled PC that does not have a network interface card for attaching to your Ethernet network. For using the USB, you must install a USB driver and configure the computer. For complete instructions, see page 17.

Connecting Console Terminal (CONSOLE Port)



Caution: General users need not to connect a console terminal. It is only for the ADSL Service Provider.

Connect a console cable to the **CONSOL** port of the Corecess 3115 and then connect the other end of the cable to the terminal or a PC.



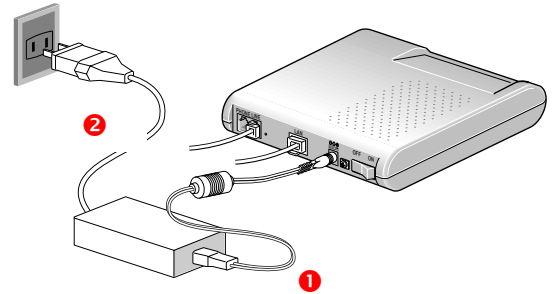
<위 그림에서 LINE 포트에 케이블이 연결되어 있게 해주세요.>

Connecting Power



Caution: You must use the power adapter provided with the Corecess 3115.

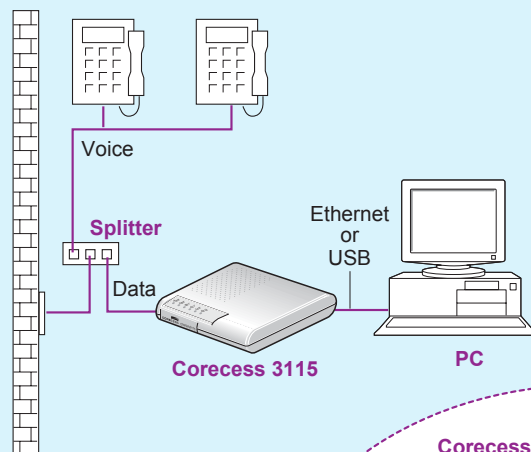
- 1 Connect the provided power supply cable into the **5V DC** port of the Corecess 3115.
- 2 Connect the provided power cord to the power supply and connect the other end of the cord to an appropriate electrical outlet.



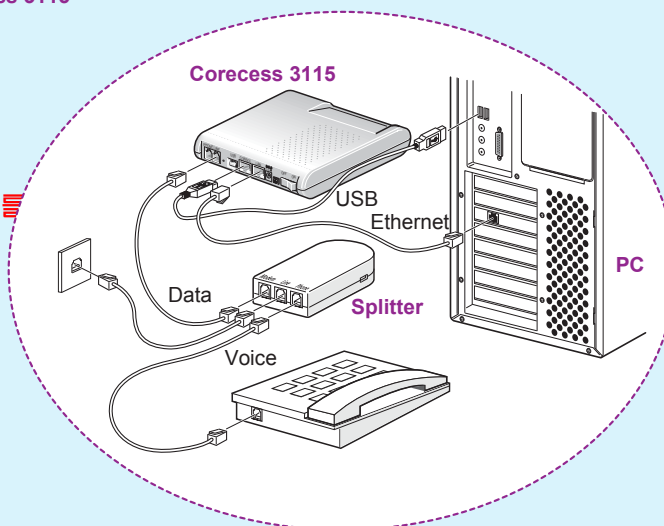
Caution: You must power on the Corecess 3115 before powering on your PC. If you power on your PC first, PC's IP address may not be properly assigned.



Note: The following figure shows a configuration using a POTS splitter instead of micro-filters.



<3115 뒷면에서 PHONE 포트를 삭제해주세요.>



Configuring Your Computers

This section provides instructions for configuring the Internet settings on your computers to work with the Corecess 3115.

Before you begin

By default, the Corecess 3115 automatically assigns all required Internet settings to your PCs. You need only to configure the PCs to accept the information when it is assigned.

- If you have connected your PC via the USB port, see the USB configuration instructions on page 17.
- If you have connected your PC of LAN via the LAN port to the Corecess 3115, follow the instructions that correspond to the operating system installed on your PC.



Caution: When you configure your computer, leave the default value of any other configuration that is not mentioned in the following description.

Windows XP

1. In the Windows task bar, click the **Start** button and then select **Control Panel**. (Figure 1)
2. Double-click the **Network** icon at the <Control Panel> window.
3. Right-click the **Local Area Connection** icon at the <Network Connections> windows and select **Properties**. (Figure 2)

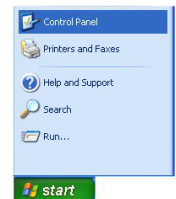


Figure 1



Figure 2

4. In the <Local Area Connection Properties> dialog box, select the **Internet Protocol (TCP/IP)** in the 'This connection uses the following items' list and click **Properties**. (Figure 3)
5. In the <Internet Protocol (TCP/IP) Properties> dialog box, click the radio button labeled **Obtain an IP address automatically**. Also click the radio button labeled the **Obtain DNS server address automatically**. (Figure 4)

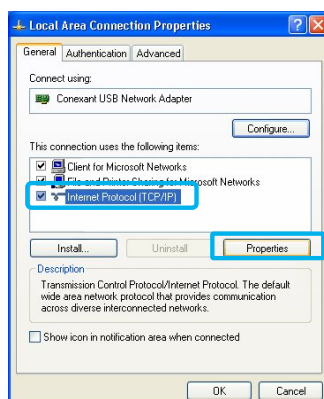


Figure 3

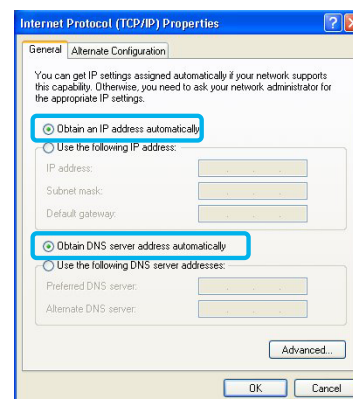
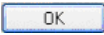


Figure 4

- Click  twice to confirm your changes, and close the Control Panel.

Windows 2000/NT

- In the Windows task, click the **Start** button, point to **Settings**, and then click **Network and Dial-up Connections**. (Figure 1)
- Right-click the **Local Area Connection** icon at the <Network and Dial-up Connections> windows and then select **Properties**. (Figure 2)

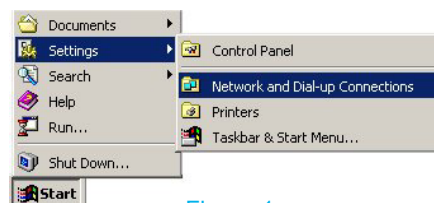


Figure 1

- In the <Local Area Connection Properties> dialog box, select **Internet Protocol (TCP/IP)**, and then click . (Figure 3)



Figure 2

- In the <Internet Protocol (TCP/IP) Properties> dialog box, click the radio button labeled **Obtain an IP address automatically**. Also click the radio button labeled **Obtain DNS server address automatically**. (Figure 4)

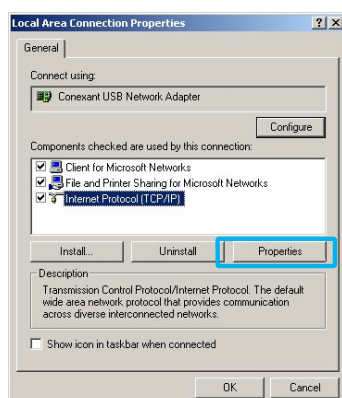


Figure 3

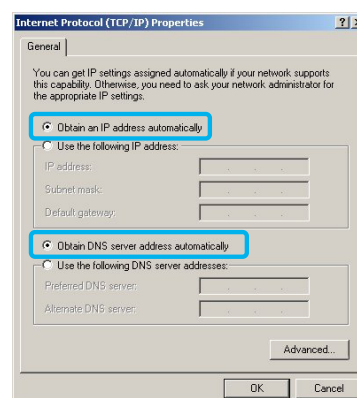
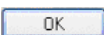


Figure 4

- Click  twice to confirm your changes, and close the Control Panel.

Windows 95/98/ME

1. In the Windows task bar, click the **Start** button, point to **Settings**, and then click **Control Panel**. (Figure 1)

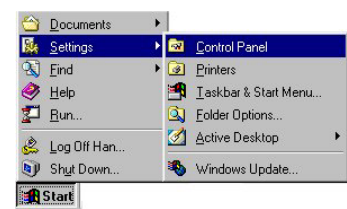


Figure 1

2. Double-click the **Network**  icon.

3. In the <Network> dialog box, select **TCP/IP**, and then click

. (Figure 2)

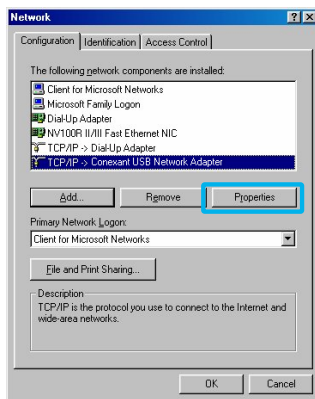


Figure 2

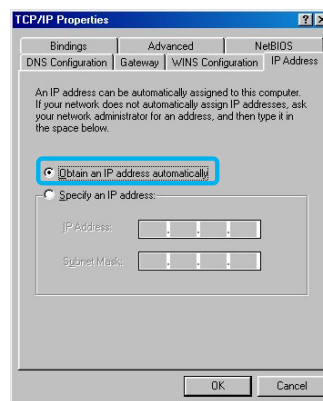


Figure 3

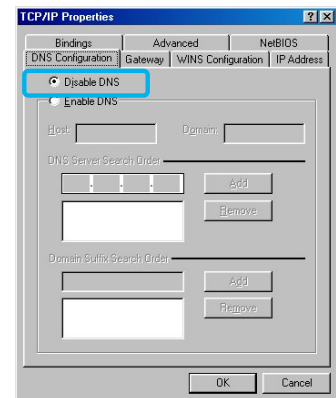


Figure 4

6. Click the **Gateway** tab and ensure that there is no gateway installed. If there are installed gateways, delete them by clicking **Remove**. Click . (Figure 5)

7. Click  twice to confirm and save your changes. You will be prompted to restart Windows. Click .

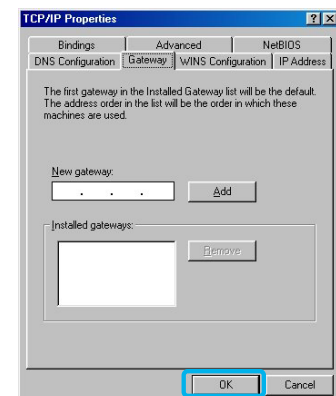


Figure 5

Configuring a Computer Connected to the USB Port

If you use the Corecess 3115's USB port to connect to a PC, you must install the provided USB driver software on the PC. The driver enables Ethernet-over-USB communication with the Corecess 3115.

Windows 2000

1. Turn on the PC connected with the Corecess 3115.
2. Once the Corecess 3115 is connected to the PC, the Windows plug-and-play routine will detect the new device and show the <Found New Hardware Wizard>. Click . (Figure 1, 2)

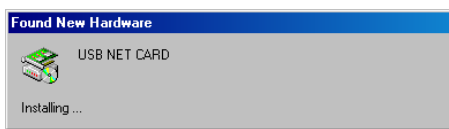


Figure 1



Figure 2

3. Two choices appear. Choose **Search for a suitable driver for my device (recommended)** and click  to go to the next wizard panel. (Figure 3)



Figure 3



Figure 4

4. The wizard prompts you to specify a location to search for the driver you are installing. After inserting the installation driver CD into the CD-ROM drive, click **CD-ROM drives** and click . (Figure 4)

- The wizard shows a verification panel and displays the choice you made(USB NET CARD). Click  to start the installation of the drivers and connection to the ADSL modem over the USB. (Figure 5)

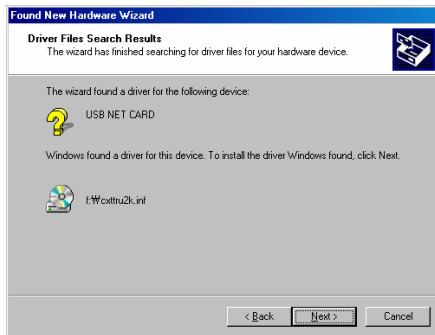


Figure 5

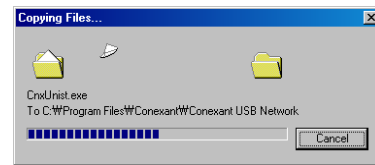


Figure 6

- The system finds the driver and begins to automatically copy the driver files from the CD. (Figure 6)

- When the driver installation is complete, click . (Figure 7)

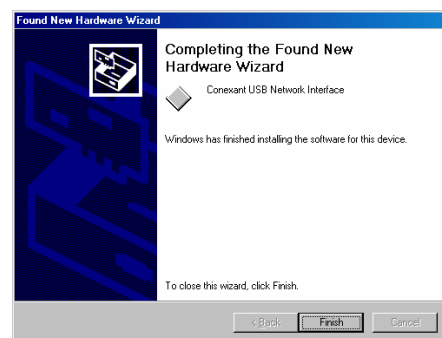


Figure 7

Windows XP

- Turn on the PC connected with the Corecess 3115.
- Once the Corecess 3115 is connected to the PC, the Windows plug-and-play routine will detect the new device and show the <Found New Hardware Wizard>. Choose **Install from a list or specific location (Advanced)** and click  to go to the next wizard panel. (Figure 1)

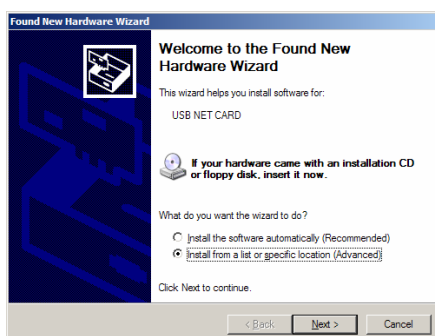


Figure 1

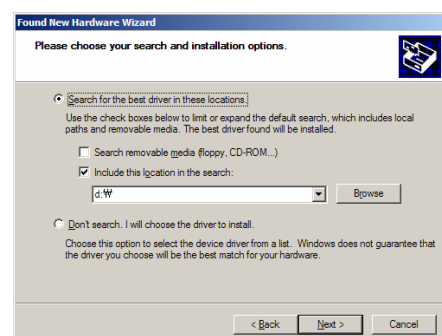


Figure 2

- Two choices appear. Choose **Include this location in the search** and enter the CD-ROM drive letter. Insert the installation driver CD into the CD-ROM drive and click . (Figure 2)
- If the path is correct, the system finds the driver and begins to automatically copy the driver files from the CD. (Figure 3)

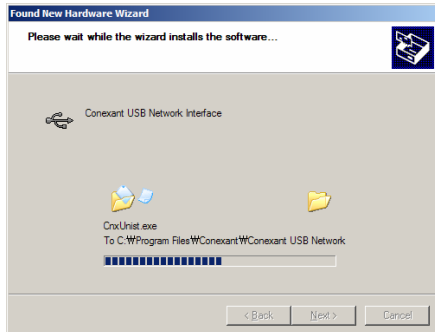


Figure 3

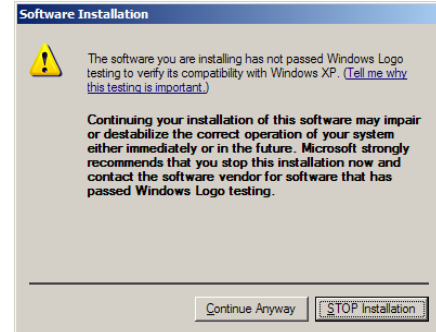


Figure 4

- During the driver installation, the window for verifying the compatibility of the driver with XP may appear. Click **Continue Anyway**. (Figure 4)
- When the driver installation is complete, click . (Figure 5)

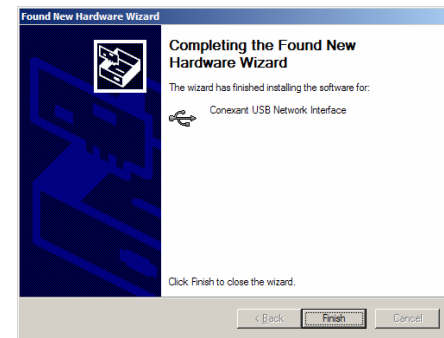


Figure 5

- The <Found New Hardware Wizard> appears again to install USB Network Adapter. Choose **Install from a list or specific location (Advanced)** and click  to go to the next wizard panel. (Figure 6)

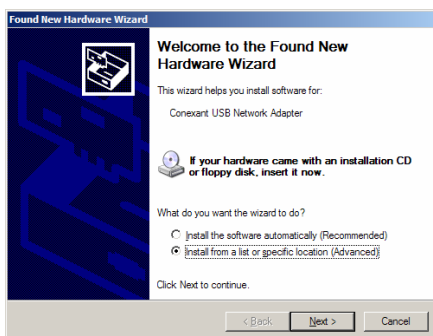


Figure 6

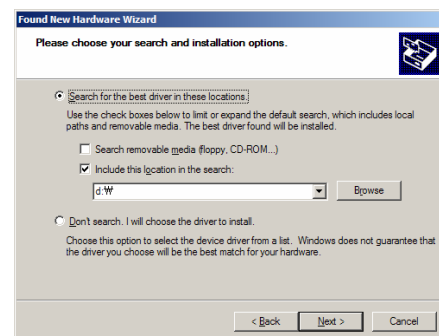


Figure 7

- Two choices appear. Choose **Include this location in the search**, enter the CD-ROM drive letter and click . (Figure 7)

9. The system finds the driver and begins to automatically copy the driver files from the CD.

(Figure 8)

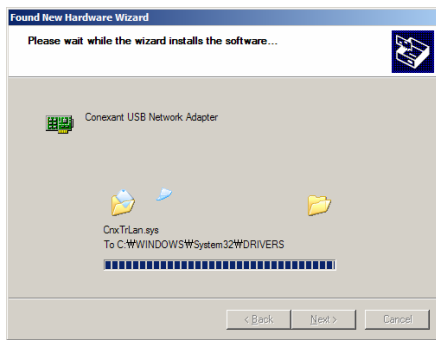


Figure 8

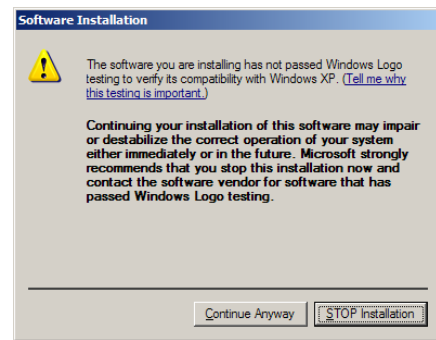


Figure 9

10. During the driver installation, the window for verifying the compatibility of the driver with XP may appear. Click **Continue Anyway**. (Figure 9)

11. When the driver installation is complete, click



(Figure 10)

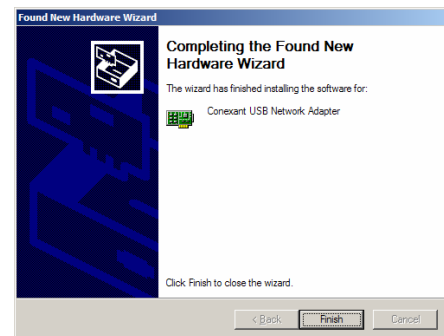


Figure 10

12. Now that the USB driver installation is complete, you must configure the USB PC so that its IP properties place it on the same subnet as the Corecess 3115's USB port. The Corecess 3115 is configured to assign an appropriate IP address to the USB PC. If you want to use this automatic assignment feature, called 'DHCP server', you must configure the USB PC to accept dynamically assigned IP information. Follow the instruction on pages 14 through 16 that correspond to the operating system installed on the PC.

Troubleshooting

If you cannot connect to ADSL network, please check the status of the LEDs on the front panel, and then ensure the following:

1. Check the LAN LED

If the LAN LED goes off, ensure that the Ethernet cable is firmly connected both to the LAN port on the Corecess 3115 and Ethernet port on the NIC installed to your PC.

2. Check the LINK LED

If the LINK LED blinks continuously and never stays solid on, ensure that the ADSL cable is firmly connected to the LINE port on the Corecess 3115. If the LINK LED still blinks, contact your ADSL service provider. If the LINK LED goes off, turn off the power of the Corecess 3115 by pressing the power switch and turn on the power again. If LINK LED still blinks, contact your vendor.

3. Check your PC's IP address

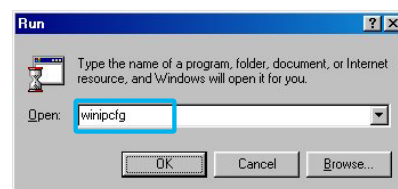
If all LEDs operate normally and cables are firmly connected to the ports, ensure that your PC's IP address is properly assigned. Otherwise, assign a new IP address according to your operating system.

Windows 95/98/ME

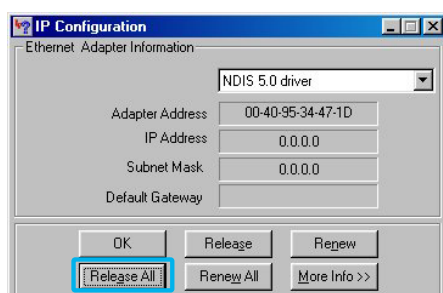
❶ Click the **Start** button and select **Run**.



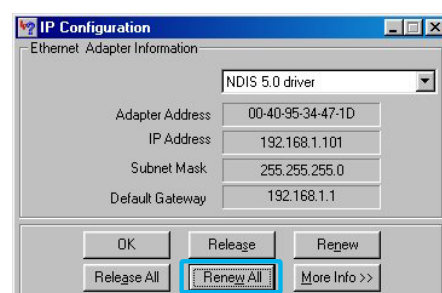
❷ Input **winipcfg** and press the **[Enter]** key.



❸ Select Ethernet adapter connected with the Corecess 3115 and click **Release All**.

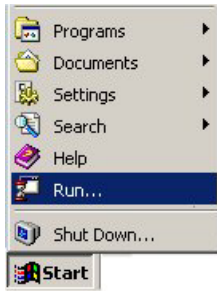


❹ Click **Renew All**.

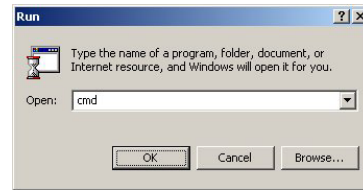


Windows 2000/NT/XP

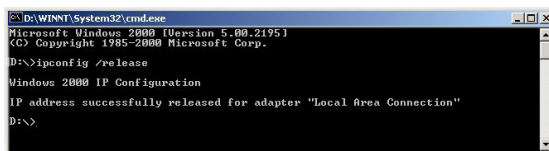
- 1 Click the **Start** button and select **Run**.



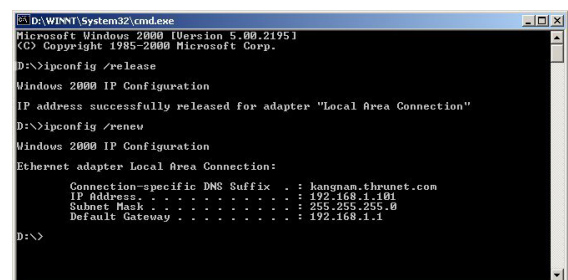
- 2 Input **cmd** and press the **[Enter]** key.



- 3 The DOS-prompt appears. Input **ipconfig /release** and press **[Enter]** key.



- 4 Input **ipconfig /renew** and press **[Enter]** key.



4. Restart your PC

If new IP address is not assigned properly or you cannot solve the problem, ensure that the Corecess 3115 turns on and then restart your PC.

Technical Specifications

Description		Specification
Standard		ADSL Standard
		• T1.413i2 ADSL Standard • ITU-T G.992.1(G.dmt) ADSL Standard • ITU-T G.992.2(G.lite) ADSL Standard
		IEEE Standard
		• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX
Interface		Ethernet
		• 10/100Base-TX • Connector: RJ-45, USB
		ADSL Line
		• Line Code : DMT (Discrete Multi-Tone) • Downstream : Max 8Mbps • Upstream : Max 1Mbps • Connector : RJ-11
ADSL Protocol		• PPP over ATM VCMUX (RFC 2364) • PPP over ATM LLCSNAP (RFC 2364) • Bridged IP over ATM LLCSNAP (RFC 1483) • Routed IP over ATM LLCSNAP (RFC 1483) • Bridged IP over ATM VCMUX (RFC 1483) • Routed IP over ATM VCMUX (RFC 1483) • Classical IP over ATM (RFC 1577) • PPP over Ethernet VCMUX (RFC 2516) • PPP over Ethernet LLCSNAP (RFC 2516)
Connector	Default	• 1 RJ-11 (LINE) • 1 RJ-45 (LAN) • 1 Power socket (DCIN)
	Option	• 1 RJ-11 (PHONE) • 1 USB (USB) • 1 RJ-45 (CONSOLE) • 1 Power socket (DCIN)
LED		• PWR : Indicates DC power status • LINK : Indicates connection status with ADSL network (physical link) • NET : Indicates connection status with WAN • ACT : Indicates the ADSL data activity • LAN : Indicates connection status with PC • DATA : Indicates the LAN data activity
Environmental Conditions		• Temperature : 0°C ~ 50°C • Humidity : 5% ~ 90%
Physical Conditions		• Dimension : 140(W) x 150(D) x 30(H) mm • Weight : 250g

Power Requirements

- Input: 100-240VAC, 50-60Hz, DC 9V/1A
- Power consumption: Max. 4Watt

