



Data Port Anywhere

Setup Guide



Pre-Installation

System Requirements - Windows 98 or later.

Compliant with USB 1.1 requirements for bus powered devices. USB Hub supports low power or self powered USB devices (each USB port provides 100 mA).

Pre-installation Guidelines - Before installing your DPA, observe the following guidelines:

CONNECTION WARNING - *Never connect the DPA directly to the telephone line or telephone wall outlet. Use the procedures in this User's Guide to avoid damaging your DPA.*

USB DRIVERS - The DPA uses standard Microsoft drivers. When installing the DPA for the first time you will be prompted by the computer to install/load drivers. Follow the prompts to identify the DPA to your operating system.

TELEPHONE LEVEL SWITCH - Set the **Telephone Level** switch on the DPA for the telephone you are using (refer to the Level Switch Setting Table on page 14). Switch setting #3 is used on the majority of digital telephone systems.

TELEPHONE SET VOLUME CONTROL - The Telephone Set Volume Control (handset and/or speakerphone volume) may impact your connection speed. KONEXX recommends that the volume control be set in the mid-range for most telephone sets. Some AT&T/Lucent / Avaya sets may require the volume set at a lower level.

SPEAKERPHONES - If the attached telephone has speakerphone capability, do not use speakerphone mode. Speakerphone mode disconnects the handset jack used by the Modem Connector to send and receive data.

DIALING - Configure your modem for Tone Dialing (Go to Start...Settings...Control Panel...Modems...Dialing Properties...click on TONE DIAL).

MODEM SPEAKER CONTROL AND VOLUME - The telephone handset is deactivated when your modem is in use. You can use the "M1" command to enable the modem speaker and the "L3" command to set its volume. You can then "listen in" on dialed calls to monitor their status. Refer to your modem manual for more information.

Data Port Anywhere Installation

Step 1. Connect the USB cable on the DPA to your computer USB port. The first time you connect the DPA to your computer, you will be prompted to install USB drivers, simply follow the prompts. The DPA uses standard Microsoft drivers. Follow the prompts to identify the DPA to your operating system.



Step 2. Remove the coiled handset cord from the **telephone handset** (2A) and insert it into the DPA jack labeled **PHONE** (2B).

2A



2B



Step 3. Connect your PC Card or internal modem cable to the DPA jack labeled **MODEM**.

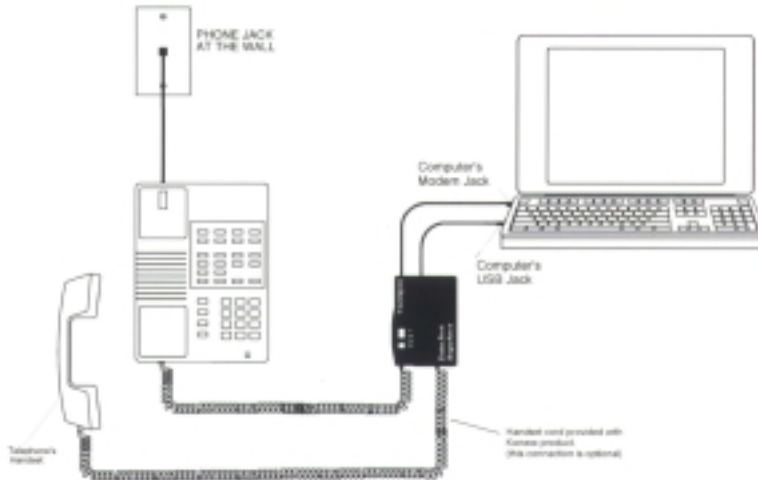


The DPA is now installed and ready for use. If you choose to use the telephone handset for voice communications when your modem is not in use see next page.

Optional Connection: If you want to use the telephone for voice communications while the modem is **not in use**, connect the included coiled handset cord to the telephone handset and the DPA jack labeled **HANSET**.



If you have connected the telephone handset to the DPA lift the telephone handset and listen for a dial tone. If you do not hear the dial tone, check your connections to ensure they match those shown in the diagram below.



Return the handset to the cradle until you are ready to go on-line using your modem and the DPA.

Windows Connection Setup

If you use the DPA while traveling we recommend that you modify your modem settings to setup your modem for manual dialing.

Why Manual Dial? Because most digital PBX systems, such as Nortel Meridian, Rolm and others do not accept the analog dialing tones generated by the modem. In order to connect with the host modem you will have to manually dial the host modem's number on the telephone keypad.

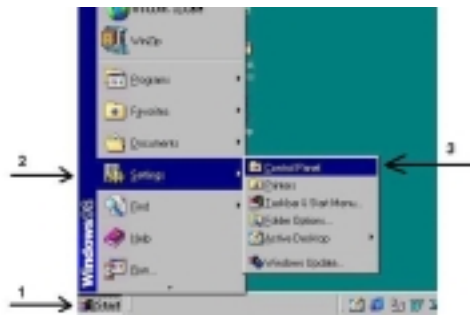
Why x3? The x3 command makes the manual dial process easier. Your modem normally requires dial tone in order to dial. By adding "x3" to your modem initialization or setup string you are instructing the modem to dial without requiring dial tone. Once the x3 is entered it remains in the Windows default settings. This will not affect modem use on an analog line.

To enter the "x3" in Windows 98 (Windows 2000 see page 7):

Step 1. Select **START** button

Step 2. Select **SETTINGS**

Step 3. Select **CONTROL PANEL**



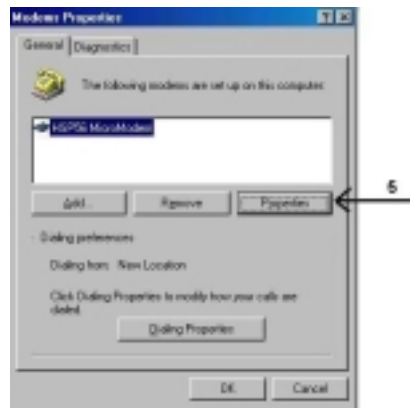
Step 4. Double click the **MODEMS** icon



Modems

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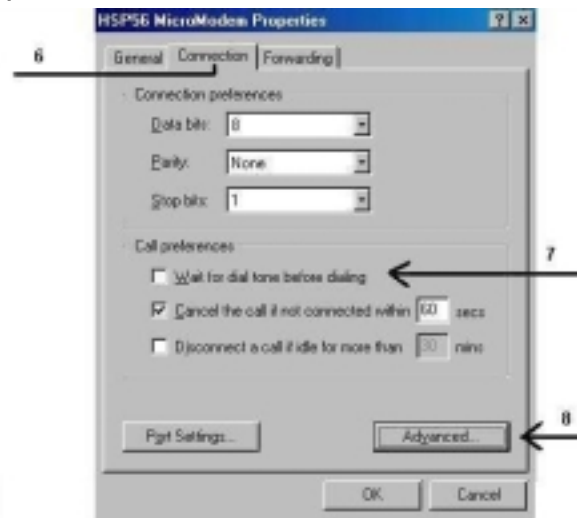
Step 5. In the General tab, highlight the modem to be used, then **Select PROPERTIES** (not Dialing Properties)



Step 6. Select **CONNECTION** TAB

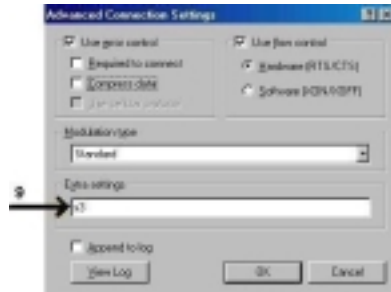
Step 7. Under Call preferences uncheck the *“Wait for dial tone before dialing”* box

Step 8. Select **ADVANCED** in the same window



Continue to next page

Step 9. In the Extra Settings box type **x3**



Step 10. Click OK to exit Advanced Connection Settings screen

Step 11. Click OK to exit Modem Properties screen

Step 12. Click Close to exit Modems Properties screen

Step 13. Close Control Panel

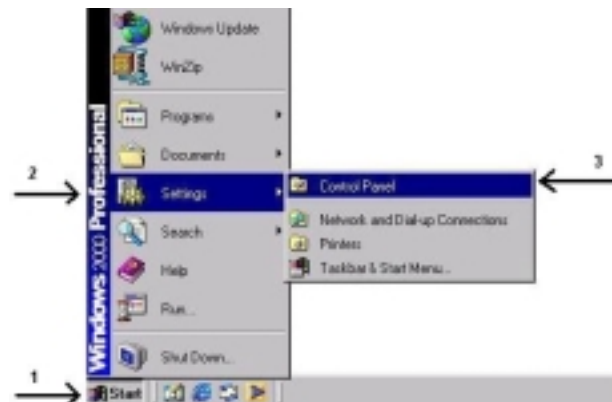
Step 14. Reboot your computer and proceed to **Establishing Your Connection (Rebooting your computer is only necessary after first installing x3).**

To enter the “x3” in Windows 2000:

Step 1. Select **START** button

Step 2. Select **SETTINGS**

Step 3. Select **CONTROL PANEL**

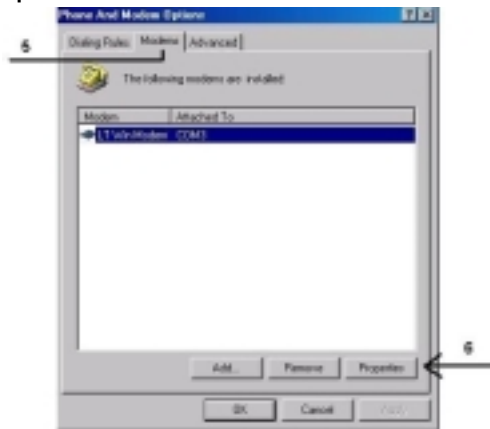


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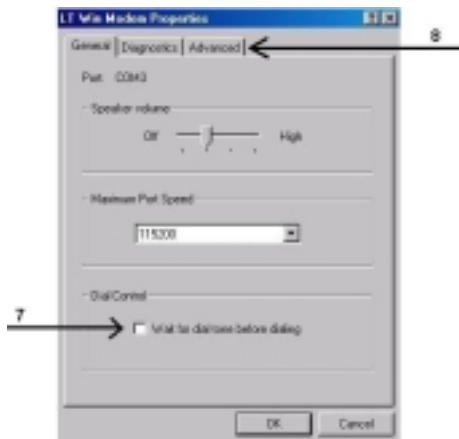
Step 4. Double click **PHONE AND MODEM OPTIONS** icon



Step 5. Click **MODEMS** tab
Step 6. Click **PROPERTIES**



Step 7. In the General Tab, Uncheck – Wait for dial tone before dialing
Step 8. Click the **ADVANCED** tab



Continue to next page

Step 9. In the Extra Initialization commands box type x3

Step 10. Click OK to enter the x3 into the Windows default settings



Step 11. Click OK to exit Phone and Modem Options screen

Step 12. Close Control Panel

Step 13. Reboot your computer and proceed to **Establishing Your Connection (Rebooting your computer is only necessary after first installing x3).**

Establishing Your Connection

Step 1. Write down the phone number (including area code if necessary) of the host modem that you wish to call. If you **do not** know how to find the host modem's phone number in your computer see page 11 for Windows 98 users or page 12 for Windows 2000 users.

NOTE: For proprietary software users see your Network Administrator

Step 2. Set the Level switch on the DPA to the proper setting for the telephone system (see table on page 14). If the phone system is not listed, please see page 18 section E.



Continue to next page

Step 3. *If the phone has a volume control, ensure that the volume is set to mid-range. Do this by lifting the handset to your ear and adjust the volume control to mid-range.*

Step 4. Return the telephone handset in the cradle.

Step 5. Using your computer, begin the **dial up or connection process** as normal (choose login, sign on, dial, etc.).

Step 6. After the modem completes dialing lift the telephone handset from the cradle and place it on your desktop.

NOTE: If you cannot hear your modem dial - begin the **dial up or connection process** as normal, wait approximately 5-10 seconds, then lift the handset and place it on your desktop.

Step 7. Get an outside line (dial 9 or other prefixes if necessary) and manually dial the number of the modem you wish to connect to on the **keypad of the telephone.**



Step 8. Wait for your modem and host to negotiate the connection. Your connection is now established. ***Do not hang up the telephone handset until you are ready to terminate your connection.*** If you have trouble connecting, please call **KONEXX Technical Support at 800-275-6354 or (858) 622-1400 (7:30 – 4:30 PST)**

NOTE: "Hum" Switch - When using the DPA with a laptop computer, you may notice a "buzz" or "humming" noise on the handset when the laptop computer is being powered by its' external power supply. The noise is being generated by the computers' external power supply and is being picked up by the telephone set due to a ground incompatibility. Changing the switch position should eliminate the "buzz" or "hum". The white arrow below indicates the location of the "Hum" Switch.



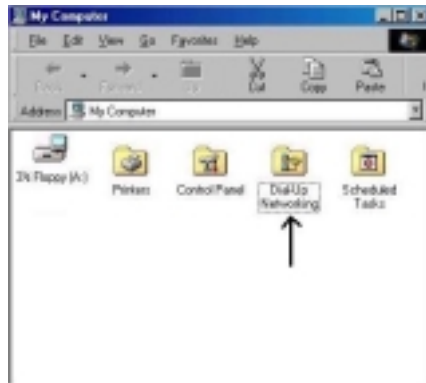
Locating a Host Modem Phone Number (Windows 98)

For Windows 2000 see next page

Step 1. Double click the MY COMPUTER icon located on your desktop



Step 2. Double click the DIAL-UP NETWORKING folder



Step 3. Right click on the Dial-Up connection you are trying to connect to and choose Properties.

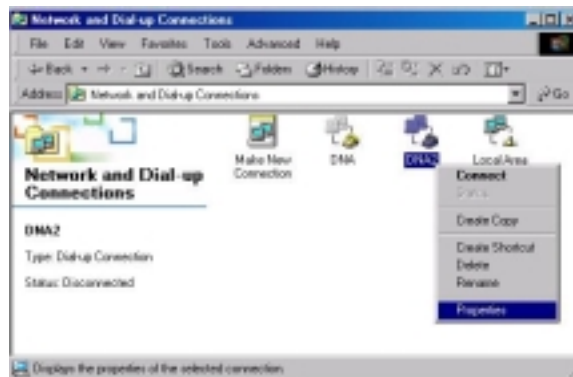


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Step 3. Double click the **Network and Dial-up Connections** icon located in the Control Panel



Step 4. Right click on the Dial-up connection you are trying to connect to and choose **PROPERTIES**



Step 5. Write down the telephone number that appears (w/ area code)



Level Switch Settings Table

The Data Port Anywhere Level switch adjusts the transmit level of your modem to the telephone set. The Level switch is manually set in one of four settings and is dependent on the telephone set you're using.

Level 3 - Approximately 75% of the electronic or digital PBX telephone systems you will encounter use Setting 3.



| Telephone Manufacturer | Telephone Set Model | Switch Setting | Notes | |
|------------------------|---------------------------------|----------------|-------|-----|
| Ameritech | None Specified | 1 | 1a | |
| AT&T | <i>(See Listings for Avaya)</i> | | | |
| Avaya | Definity | 3 | --- | |
| | Destiny | 3 | 2 | |
| | Dimension | 2 or 3 | 2 | |
| | Horizon | 2 | --- | |
| | ISDN | 3 | 1a | |
| | ISDN 7500 series | 3 | --- | |
| | ISDN 8500 series | 3 | --- | |
| | Infinity | 3 | --- | |
| | Merlin | 3 | --- | |
| | Merlin II | 3 | 2 | |
| Avaya | Merlin Legend | 3 | 7 | |
| | Partner | 3 | --- | |
| | Spirit | 3 | 8 | |
| | System 25 | 3 | 3 & 4 | |
| | System 75 | 3 | 3 & 4 | |
| | System 85 | 3 | 3 & 4 | |
| | Comdial | Digitech | 3 | --- |
| | | Executech | 3 | --- |
| | | Executive | --- | 2 |
| | | Executive II | --- | 2 |
| Impact | | 3 | --- | |
| InnTouch | | 3 | 8 | |
| David Systems | None Specified | 3 | 2 | |
| Eagle | None Specified | 2 | --- | |
| Ericsson | MD-110 | 3 | 1a | |
| | Encore CX | 3 | 7 | |
| Executone | IDS | 3 | 7 | |
| | Key Systems | 2 or 3 | --- | |

Level Switch Settings Table (Cont.)

| Telephone Manufacturer | Telephone Set Model | Switch Setting | Notes |
|---------------------------|-------------------------------------|-------------------|---------|
| | Model 227 | --- | 7 & 1b |
| | Model 432 | --- | 7 & 1b |
| Fujitsu | Focus 196 | --- | 5a |
| | Others | 4 | --- |
| GAI-tronics | Cohort | 3 | 7 |
| G.E. | none specified | --- | 1a & 2 |
| G.T.E. | none specified | --- | 1a & 2 |
| Harris | Lanier | 3 | --- |
| Hitachi | Digital Model 200 | 1 | 2 |
| | HCX-5000 | 1 | 2 |
| Intecom | IBX | 3 | 7 |
| Inter-tel | Hitech/1232 | 1 | 4 |
| | MPK-2 | 1 | 2 |
| | Axxess | 3 | 7 |
| | Premier | 1 or 4 | 2 |
| | Phoenix | 1 or 4 | 2 |
| | Others | 1 | --- |
| Isoetec | Key Systems | 3 | --- |
| | Digital PBX | 1 | 1a & 2 |
| ITT/Cortelco | None Specified | 2 | 2 |
| Iwatsu | Omega | 2 | --- |
| | Omega III | 2 or 3 | --- |
| | Omega IV | 1 or 4 | 4 |
| Kokyo Co. | Kanda | 1 | --- |
| Lanier | EKT-220 Electronic Key Telephone | 2 | --- |
| Lexar | Telex | --- | 7 |
| | 2000 series | --- | 5b, & 7 |
| Lucent | (See Listings for Avaya) | | |
| Macrotel | None Specified | 4 | 1a |
| Mitel | Superset | 2 or 3 | 7 |
| | SX-200 | 3 | 1a & 7 |
| NEC | Dterm II | 1 | 1a |
| | Dterm III | 1 | 2 |
| | Dterm V | 1 | --- |
| | Electra | 2 or 3 | 7 |
| | Freedom | 1 | --- |
| | Mark II | 1 | --- |
| | Others | 1 | --- |
| Nitsuko | Onyx | 3 | 1a & 2 |
| Northcom | Premier (NC-1647) | 3 | --- |
| Northern Telecom | Advantage | 3 | 7 |
| | Focus | 2 | 7 |
| | Logic One | 3 | 7 |

Level Switch Settings Table (Cont.)

| Telephone Manufacturer | Telephone Set Model | Switch Setting | Notes | |
|---------------------------|------------------------------------|-------------------|---------|-------|
| Northern Telecom | Meridian Business System (CENTREX) | 3 | 7 | |
| | Meridian SL-1 | 3 | 7 | |
| | Meridian SL-100 | 3 | 7 | |
| | Meridian 1 | 3 | 7 | |
| | Meridian 100 | 3 | 7 | |
| | Meridian Norstar | 3 | --- | |
| | Unity | 2 or 3 | --- | |
| | Vantage | 3 | 2 | |
| | Panasonic | KXT-23?5 | 3 | --- |
| | | DBS (old) | 2 or 3 | --- |
| DBS (new) | | 2 or 3 | --- | |
| Others | | 3 | --- | |
| Phillips Premier | | None Specified | 1 or 4 | 2, 5b |
| | Digital | 1 or 4 | 6 | |
| Rolm | Model 120 | 1, 4 or 3 | 7 | |
| | Model 240 | 1, 4 or 3 | 7 | |
| | Model 312 | 1, 4 or 3 | 7 | |
| | Model 400 | 1, 4 or 3 | 7 | |
| | Model 600 | 1, 4 or 3 | 7 | |
| | Others | 1 or 4 | 7 | |
| | Samsung Prostar | 1 or 4 | 1a | |
| Siemens | Dyad | --- | 5b, & 7 | |
| | Dyad Jr. | --- | 5b, & 7 | |
| | HCM-200 | 3 | 1a & 2 | |
| | HCM-600 | 3 | 1a & 2 | |
| | Hicom Digital | 1 | 1a & 2 | |
| | OptiSet E | 1 or 4 | 7 | |
| | Saturn Digit 260 | --- | 5b | |
| Southwestern Bell | Freedom Phone-old | 3 | --- | |
| | Freedom Phone-new | 1 or 4 | 1a | |
| Shared Resources (SRX) | Vision Phone | 2 | 2 | |
| Tadiran | EKT-221 | --- | 1b | |
| | Coral I & II | 4 | 1b & 2 | |
| | Emerald & Others | 4 | 1b & 2 | |
| Teledex | All | --- | 9 | |
| Telrad | Model 716 | 4 | --- | |
| | Model 2464 | 4 | --- | |
| | Symphony | 4 | 7 | |
| | Digital 717 | 4 | 7 | |
| | Others | 4 | 2 | |
| TIE | BusinessComm | 2 | 2 | |
| | Datastar | 2 | --- | |
| | DCX | 2 | --- | |

Operating Tips and Troubleshooting

A. USB Drivers - The DPA uses standard Microsoft drivers. When installing the DPA for the first time, you will be prompted by the computer to install/load drivers. Follow the prompts to identify the DPA to your operating system.

B. Telephone Handset - The handset must be out of its cradle when the modem is in use. When the modem is in use, the handset will be electronically disconnected and you will not be able to talk on or hear from the telephone handset. This is the primary indication that the DPA is turned on. Make sure the telephone handset is out of the cradle until you finish your modem session. Hang up your modem to reactivate the handset.

C. "Hum" Switch - When using the DPA with a laptop computer, you may notice a "buzz" or "humming" noise on the handset when the laptop computer is being powered by its' external power supply. The noise is being generated by the computers' external power supply and is being picked up by the telephone set due to a ground incompatibility.

On the side of the DPA farthest from the USB I/O cable is a two-position slide switch. Changing the switch position changes the ground and should eliminate the "buzz" or "hum".

This "buzz" or "hum" may not be noticeable on the telephone handset, however you may hear it on the computer speaker when the modem is in use. Buzzing or Hum may affect connection rate.

D. Telephone Set Volume Control - The Telephone Set Volume Control (handset and or speakerphone volume) may impact your connection speed. KONEXX recommends that the volume control be set in the mid-range for most telephone sets. Some AT&T/Lucent / Avaya sets may require the volume set at a lower level.

E. Level Switch on the DPA - The setting you use depends on the signal level used by the telephone to which the DPA is connected. The switch setting sequence from high to low is 2-3-1-4. If the phone system is not listed on the table try switch setting 3 which is the most common. If you set the Level switch too high, you will hear feedback through the modem speaker when the modem is in use. If you hear feedback, set the Level switch to the next lower setting using the sequence 2-3-1-4 until the feedback disappears.

F. Speakerphones - If your telephone has a speakerphone mode, do not activate the speakerphone. Speakerphone operation disables the telephone handset jack that the DPA uses to transmit and receive data.

G. Princess and Trimline telephones - DPA will not operate with "Princess" or "Trimline" telephones, which have the keypad in the handset. The electronics with which the DPA interacts are not accessible in these telephones.

H. Tone dialing - Make sure your modem is configured for Tone (DTMF) dialing. Your DPA will not work with pulse (rotary) dialing. Your modem user guide or operating instructions should describe this procedure.

I. "No Dial Tone" error message - The "No Dial Tone" error message is presented when the modem doesn't receive dialtone or recognize what it is receiving as dialtone. Some telephone systems encountered in North America (such as Rolm or Siemens) and most foreign telephone systems do not use the standard dial tone. Your modem software will normally require your modem to detect dial tone and may not recognize non-standard tone as dial tone. The Hayes command **X1** or **X3** will tell your modem to dial without detecting dial tone. This is the same command used for Blind Dialing.

J. V.90 Connections - Although the DPA is compatible with V.90 modems, the maximum connection speed through the DPA is normally 33.6Kbps. Your connection speed will be determined by the phone system's capabilities, your modems capabilities, and the quality of the phone line. When using the DPA, your connection is going through a digital phone system, which was not designed for data communications. Your connection speed will probably be slower than you would get on an analog phone line. In fact, V.34bis/V.90 connections at 28.8Kbps, 24Kbps, and 21.6Kbps are common.

K. Hanging up the modem - The DPA disconnects the "Handset" jack when your modem is in use. After data transactions or when autodialing voice calls, use your communications software to hang up your modem so that the Handset jack is reactivated. The manual that came with your software should describe how to hang up the modem.

L. USB Ports - Located next to the USB I/O cable are two USB ports. These ports can be used to connect low-powered USB devices.

M. Lost or Missing User Guides - In the event the Quick Setup Guide is lost or missing, you can download this DPA Quick Setup Guide from our website at www.konexx.com/dpa/index.html. Also available on our web site is a more detailed DPA User Guide.

N. System Requirements

1. Windows 98 or later.
2. Compliant with USB 1.1 requirements for bus powered devices. USB Hub supports low power or self powered USB devices (each USB port provides 100 mA).

for you to make necessary modifications in order to maintain uninterrupted service.

6. If trouble is experienced with this equipment, please contact the service center for repair and/or warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you to remove the equipment from the network until the problem is resolved. User repairs must not be made, and doing so will void the warranty.
7. This equipment cannot be used on coin service provided by the telephone company. Connection to party line service is subject to state tariffs. (Contact your state public utilities commission for information.) If so required, this device is hearing-aid compatible (EAC).

Part 15 B

FCC WARNING STATEMENT:

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These 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 no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or TV reception which can be determined by one of more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

Connect the equipment into an outlet on a circuit different from that which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

CAUTION changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada (IC) Requirements

LOAD NUMBER: 0.00

NOTICE: The Industry Canada (IC) label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the

