Quick Installation Guide for Z-Card 210

Here is a quick installation guide on what you need to know and do before using your Z-CARD 210. This guide also refers you to specific sections in the manual for further explanation. You will have to refer to some of these additional sections to know how to properly setup your Z-CARD 210.

- Step 1. You will need an IP address and the side preference from your CDPD Service Provider.
 - a. You need a CDPD account for each Z-CARD 210. The carrier will provide an IP address for each account. You will need to give them the Z-CARD 210's equipment ID (EID) which can be found on the label on top of the Z-CARD 210. The IP address is a valid Internet address and is matched up with your unique EID.
 - b. Side Preference: Does your Service Provider prefer A-side or B-side? Is there another CDPD Service Provider in your area? Usually you must give CDPD carrier the application area for the Z-CARD 210 to determine this setting.

Step 2. Installing Z-Card CDPD Utilities for Windows 95

- a. Insert the disk "Z-Card CDPD Utilities for Windows 95 Disk #1" into any 3 1/2 floppy drive.
- b. Click the Start button in the task bar and select the Run option.
- c. Type "A:\setup.exe", and click OK or press Enter.
- d. Follow the instructions on the **Setup** screen and replace the disk "**Z-Card CDPD Utilities for Windows 95 Disk #2**" when required to.



e. Wait for the **Z-Card CDPD Utilities Setup** window to appear, then click **OK**.

Setup cannot install system files or update shared files if they are in use. Before proceeding, we recommend that you close any applications you may be running.		Welcome to the Z-Card CI	DPD Utilities installation progra	em.
OK N Exit Setup	Before pr	roceeding, we recommend the		
			E <u>x</u> it Setup	_

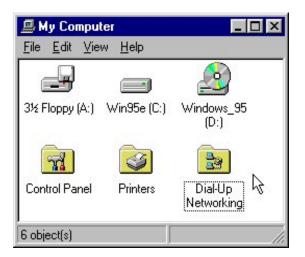
f. In the next window, click the big button with a computer picture, and the **Z-Card CDPD Utilities –Choose Program Group** dialog box will appear.

Begin the installation by clicking the button below. Image: Click this button to install 2-Card CDPD Utilities software to the specified destination directory. Click here to begin setup Directory: C:\Program Files\Z-Card CDPD Utilities\ Egit Setup	Click this button to install 2-Card CDPD Utilities software to the specified destination directory. Click here to begin setup Directory: C:\Program Files\2-Card CDPD Utilities\ C:\Program Files\2-Card CDPD Utilities\
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- g. Choose **Z-Card CDPD Utilities** in the **Program Group** field. Then click **Continue** to complete the setup.
- h. Click **OK** to complete the setup program.

Z-Card CDPD Utilities - C	Choose Program Group	2
Sett Z-Card CDPD Utilities 9	Setup 🗾 🛃	ox. You ups list.
7.532	up was completed successfully.	0.000000000
	OK	
Existing Groups:		
Accessories Online Services		
Paint Shop Pro 5 StartUp		3
Z-Card CDPD Util	ities	
<u>C</u> ontinue	Cancel	

- i. Restart the computer.
- Step 3. Establish Hardware Connection To Setup your Z-CARD 210
 - a. With the Z-Card 210 modem's label facing down, insert Z-Card 210 into your notebook's PCMCIA slot.
 - b. The Win95/98 will automatically detect the modem. A New Hardware Found message shows up.
- Step 4. Set up Dial-UP Network
 - a. Double-click the My Computer icon on the desktop, then open Dial-Up Networking.



b. Choose the Make New Connection icon and get into the dialog window.



c. In the **Make New Connection** window, input the name of the connection and select Z-Card 210 CDPD Modem (in the type of the modem). Then select **Next** to view the next window.

Make New Connection	
	<u>I</u> ype a name for the computer you are dialing:
	Z-Card 210
	Select a <u>m</u> odem:
	Z-Card 210 CDPD Modem
× '	<u>C</u> onfigure
	<u> Back</u> <u>Next></u> Cancel

d. In this window you should input proper information of Area code, Telephone number, and country code. For example, if you're in Taiwan, you should input the area code with 002, the Telephone number with PPP, and the Country code with Taiwan, Republic of China (886). Then click **Next** to get into the next window.

Make New Connection	
	Type the phone number for the computer you want to call: Area code: Ielephone number: 002 • ppp Country code:
	Taiwan, Republic of China (886)
	< <u>B</u> ack <u>N</u> ext > Cancel

e. Click **Finish** in the following window and Windows 95/98 will create an icon for your new connection.

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<u>F</u> ile <u>E</u> dit ⊻iew <u>C</u> onnections <u>H</u> elp
Make New Connection Z-Card 210
1 object(s) selected

f. Select the icon of your new connection and choose the **Properties** item from the File function menu to open the next window.

📴 Dial-Up Networking	_ 🗆 🗙
<u>File Edit View Connec</u>	ctions <u>H</u> elp
S	Connect
Make New Z-Card2 Connection	Create <u>S</u> hortcut <u>D</u> elete Rena <u>m</u> e
1	Properties
Opens the property sheet of	f selected items.

g. In the General tab, uncheck Use country Code and Area Code.

Z-Card	? ×
General Server Types Scripting Multilink	
⊒ Z-Card	
Phone number: Area code: Telephone number:	
Country code: United States of America (1)	
Use area code and Dialing Properties	
Connect using:	
Z-Card 200 CDPD Modem	
<u>C</u> onfigure	
OK Car	icel

h. Go to Server Types. Select "Type of Dial-Up Server" with "SLIP: Unix Connection" and uncheck the "Log on to network". Then click the "TCP/IP Settings" button.

Card General	Server Types Scri	pting [Multilink]
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	of Dial-Up <u>S</u> erver:	
JSLIP:	Unix Connection	<u> </u>
Adva	anced options:	
	Log on to network	
	Enable software <u>c</u> om	pression
	Require encrypted p	assword
	Require <u>d</u> ata encryp	tion
	<u>R</u> ecord a log file for t	this connection
Allow	ved network protocols	x
	<u>N</u> etBEUI	
	[PX/SPX Compatible	÷
2		TCP/IP Settings
		OK Cancel

i. Select "Specify an IP Address" and then input the IP address provided by the service provider. Select "Specify name server addresses" and input IP addresses in the Primary DNS as well as Secondary DNS fields. Uncheck "Use IP Header Compression" and then click OK to finishing TCP/IP Setting.

<u>S</u> erver assigned IP Specify an I <u>P</u> addr		:s 					
IP <u>a</u> ddress:	172	. 16	•	3	•	1]
Server assigned na	ame ser	ver a	ddre	esse	s		
Specify na <u>m</u> e serv	er addre	esses		-			
Primary <u>D</u> NS:	172	. 16	•	1	3	1]
Secondary D <u>N</u> S:	192	. 168	۶.	1	÷	1]
Primary <u>W</u> INS:	0	. 0	•	0	•	0]
Secondary WINS:	0	. 0		0	÷	0]
Use IP header <u>c</u> on	npressio	n					
Use default gateway			nel	wor	k		

Step 5. To configure the Z-CARD 210 using AT commands

a. To send AT Command to Z-Card 210, you must find a communications program to be operated in ASCII terminal emulation mode under your PCs (host). The followings are some typical programs:

HYPER TERMINAL in WINDOWS 95

TELIX or similar alternatives

In the Terminal Program you choose, set the parameters of the COM Port as follows:

19200 bps, 8 data bits, No parity check and 1 stop bit.

b. AT Command for the Z-CARD 210 setup

i. Set the IP Address

AT!Ixxx.xxx.xxx.xxx , xxx.xxx.xxx is the IP Address e.g. AT!I203.67.40.233

- ii. Set the Side Preference
- AT\N3 A Side Preference , AT\N4 B side Preference

iii. Save all you setting into memory and Reset your Z-CARD 210

AT&W

ATZ

Step 6.Connecting to the CDPD Network

a. Connecting to the CDPD network -- Run the TCP/IP stack

Click My Computer, select Dial-Up Networking, and double-click Z-210. The Connect to dialog will appear. Click Connect to start the connection. Wait for the Terminal Screen dialog to appear, then click Continue to complete the connection.

Step 7. Start Observer

a. Click **Start** in the task bar, highlight **Z-Card CDPD Utilities**, and double-click **Observer.**

i. Read the Observer status indicators. Definition of each indicator is described in more detail in the **Z-Card 210 User's Manual**.

- ii. Open the Configuration Dialog, make sure that IP address and Channel Preference are set correctly. Either enable the **Automatic Seek** function or type the channel number of local area in the **Manual Channel** box.
- iii. Read the register and channel status indicators at **Observer** to ensure that your Z-Card 210 is registered to the CDPD network and has acquired an available channel, then start enjoying wireless Internet!