

# ETWORKING AND SYSTEM MAINTENANCE

FOR THE SIA-3000

## Topics of this paper:

- Networking the SIA-3000 •
- Running Scandisk & defragmenting the drive
- Hooking up an external monitor

# Connecting to the Network Interface Card (NIC)

A 10/100BaseT NIC card is included with every SIA-3000. Consult with your company's information systems personnel to ensure your LAN system is compatible with the SIA-3000 network card and to establish a local network connection. Plug the RJ45 cable connector into the RJ45 connection on the back panel.



## Connecting to a Microsoft Network

- Connect the network cable to the RJ45 connector of the SIA 3000.
- Power up the SIA 3000 (this will take a few minutes)
- Click Tool on the VISI menu bar. •
- Point to Network and then select Properties. •
- Click Yes to continue.
- Click Add in the Network Properties dialog box.



Visi

<u>N</u>ew

Tool Edit Action Display Help

Ctrl+N

• Select Client and click Add

• Select 'Microsoft' for Manufacturers.

Select 'Client for Microsoft Networks'

Click OK on the Network dialog window

Click OK if prompted for the Windows 98 CD

for the Network Clients.

Click OK

•





Select Network Client

Click the Network Client that you want to install, then click OK. If you have an installation disk for this device, click Have Disk. Manufacturers: Network Clients: Banyan Microsoft Client for Microsoft Networks Client for NetWare Networks Microsoft Family Logon Have Disk... OK Cancel

#### Add Client Dialog box

Network	? ×
Configuration   Identification   Access Control	
· · · · · · ·	
I he following network components are installed:	-
Client for Microsoft Networks      PRO/100+ Management Adapter	
TCP/IP	
Add Figmove Properties	┛╽
Primary Network Logon:	_
Client for Microsoft Networks	1
<u>File and Print Sharing</u>	
	_
UK Canc	el

#### **Complete Network Dialog box**

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- Select C:\Win98 from the Copy files from drop down box.
- Click OK
- Click <u>Yes</u> to restart the system.



- Once the system is running enter:
  - -Username -Password
  - -Password
    -Domain (once you enter this value it will be stored automatically)
    -Obtain these from your Network Administrator)

Enter Network Password			
	Enter your network password for Microsoft Networking.	OK	
	User name:	Cancel	
	Password:	_	
	Domain:	_	

Click OK

#### Important:

Consult your Network Administrator before connecting to the network regarding virus protection software and security issues. Virus software will need to be "Pushed" onto the SIA-3000. Also find out if the network is using static or dynamic IP addresses.

# **Changing the Network Domain Name**

- Click <u>T</u>ool on the VISI menu bar.
- Point to Net<u>w</u>ork and then select <u>Properties</u>.



- Select Client for Microsoft Networks
- Select Properties

Network ?X
Configuration Identification Access Control
The following <u>n</u> etwork components are installed:
■ Intel(R) PRO/100+ Management Adapter
Add Remove Properties
Client for Microsoft Networks
<u>File and Print Sharing</u>
Description The Client for Microsoft Networks enables you to connect to other Microsoft Windows computers and servers and use the files and printers shared on them.
OK Cancel

**Network Properties Dialog Window** 

- Check "Log on to Windows NT domain"
- Enter the network domain name in the <u>W</u>indows NT domain text box.
- Either option for the Network logon options will work
- Select OK when finished
- Select OK on the Network Properties Dialog Window
- Click OK if prompted for the Windows 98 CD

Client for Microsoft Networks Properties	?×
General	
Logon validation	
When you log on, your password will be verified on a Windows NT domain.	
<u>W</u> indows NT domain:  Domain name here	
Network logon options © <u>Q</u> uick logon Windows logs you onto the network, but network drives are not reconnected until you use them. © Logon and restore network connections When you log onto the network, Windows verifies that each network drive is ready for use.	ς
OK Car	ncel
Client for Microsoft Networks	

Client for Microsoft Networks Properties Dialog Window

- Select C:\Win98 from the Copy files from drop down box.
- Click OK
- Click <u>Y</u>es to restart the system.

The SIA-3000 will restart and the domain will be as selected.



# Changing the SIA-3000 IP Address

- Click <u>T</u>ool on the VISI menu bar.
- Point to Network and then select Properties.



Network ?X
Configuration Identification Access Control
The following network components are installed:
Client for Microsoft Networks
Intel(R) PR0/100+ Management Adapter
ТСРИР
Add Berroue Properties
Add
Primary Network Logon:
Eile and Print Sharing
Description
TCP/IP is the protocol you use to connect to the Internet and wide-area networks
mad alog notworks.
UK Cancel

**Network Properties Dialog Window** 

• Select TCP/IP and select Properties

- Select Specify an IP address
- Enter the IP Address and Subnet Mask
- Modify any other network settings by selecting the appropriate tab.
- Select OK when finished to close the TCP/IP Properties Window.

TCP/IP Properties		? ×
Bindings	Advanced	NetBIOS
DNS Configuration	Gateway WINS Confi	guration IP Address
An IP address can If your network do your network admi the space below.	be automatically assigne es not automatically assign nistrator for an address, ar	d to this computer. n IP addresses, ask nd then type it in
C <u>O</u> btain an IP	address automatically	
Specify an IF	address	
<u>I</u> P Address:		
S <u>u</u> bnet Mas	k: 🚺 .	
	OK	Cancel

**TCP/IP Properties Dialog Window** 

- Click OK if prompted for the Windows 98 CD
- Select C:\Win98 from the Copy files from drop down box.
- Click OK
- Click <u>Yes</u> to restart the system.

Соруі	ng Files		
Sour	ce:		
Sca Des	Copying	Files	×
	_	The file 'choosusr.dll' on Windows 98 Second Edition CD-ROM cannot be found. Insert Windows 98 Second Edition CD-ROM in the selected drive, and click OK.	OK Cancel
		Copy files from:	<u>S</u> kip File <u>D</u> etails
	_	D:\WIN98	

## Performing Scandisk and Defragmentation of SIA-3000 local disk

• Select the Explorer tool on the VISI menu bar



• Right click on the Sia3000 drive and select properties



• Select the Tools tab

Error-Checking status will be performed first. Defragmentation will be then be performed. Follow directions on the following page.



Local Drive Properties Dialog Window

- Use the Error-checking status tool first
- Select "Check Now..."
- For Type of test select Standard
- Also check the "Automatically fix errors" check box
- Select Start to perform the Scandisk
- Close the Scandisk Results window when complete
- Close the Scandisk tool when complete to return to the Tools window

🧇 ScanDisk - Sia3000 (C:) 📃 🗖 💈	<
Select the drive(s) you want to check for errors:	
- 33 Floppy (A:)	
Type of test	
<ul> <li>Standard (checks files and folders for errors)</li> </ul>	
C Ihorough (performs Standard test and scans disk surface for errors)	
Automatically fix errors	
Start Close Advanced	

Sia3000 (C	:) Properties	?×
General	Tools	
Error-c	hecking status	
3	You last checked this drive for errors 0 day(s) ago.	-
	Leneck Now	
Backu	p status	- 1
	Windows was unable to determine when you last backed up files on this drive.	
	Backup Now	
Defrag	mentation status	
	You last defragmented this drive 14 day(s) ago.	
	Defragment Now.	
	OK Cancel Ap	ply

- Next use the Defragmentation status tool
- Select "Defragment Now..."
- The Defrag Dialog Window will appear and show status of the defragmentation.

Defragmenting Drive C	_ 🗆 🗵
<u></u>	
· · · · I	
2% Complete	
<u>Stop</u> Show <u>D</u>	etails

• When the process is complete, select Yes to exit Disk Defragmenter

Disk Defragmenter 🛛 🔀		
?	Defragmentation of drive C is complete. Do you want to quit Disk Defragmenter?	
	<u>Yes</u> <u>N</u> o	

• Select OK to exit the Tools window

The local disk has now been defragmented and scanned for errors.

## **Connecting an External Monitor to the SIA-3000**

- Power down the SIA-3000
- Connect the external VGA monitor to the VGA port on the back of the SIA-3000
- Power up the monitor before power up of the SIA-3000
- Power up the SIA-3000 after power up of the monitor
- The monitor will now operate
- \*If the system requires a new monitor driver, select the files from the c:\win98 directory (see procedure below)
- Select 'Next' to verify the installation procedure.
- Select 'Search for the best driver for your device.'
- Specify a location: c:\win98
- Windows will detect the driver
- Select 'Next' to install the driver
- Select 'Finish'



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