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## AVT-932 Communications Setup

This document describes how to setup a computer so that it can communicate with the AVT-932 board set.

Note that the AVT-932 is a 'server' and the computer you are using is the 'client.'

The set up procedure described below is for the test setup used in the AVT lab. The user's test setup will, most likely, be different. However, the setup procedure described here should be useful to the user in getting the system up and running quickly.

### Equipment assumptions

- Server: AVT-932 equipped with Micro/Sys SBC1190 and AVT-931 Dual J1850 interface. The AVT-931 segment address is set to the default \$B600. The IP address of the SBC1190 is set to the default: 192.168.1.50.
- Client: Personal computer running MS-Windows95. Equipped with an SMC model 8432e EtherPower PCI Ethernet Adapter.
- In the AVT lab the Ethernet is on thin coax. The AVT-932 is connected to a hub with a standard 10 Base-T patch cord. The hub is then connected to the lab Ethernet coax.

### Setting up the Client

- Start up the client MS-Windows95.
- Shut down all applications.
- From the START menu select SETTINGS and then select CONTROL PANEL.
- From the CONTROL PANEL select NETWORK.
- From the NETWORK window select the CONFIGURATION tab.
- Select TCP/IP protocol for the Ethernet adapter.
- If you don't have TCP/IP protocol installed for your Ethernet adapter, you'll have to install it and then restart this setup.
- After you select the TCP/IP protocol click on the PROPERTIES button.
- In the TCP/IP Properties window select the IP Address tab.

- Click the “Specify an IP address” radio button.
- Type in the following IP address: 192.168.1.60.
- You can leave the subnet mask blank or you can fill it in with: 255.255.255.0.
- Select the DNS configuration tab.
- Click on the “Disable DNS” radio button.
- Click on OK to close the TCP/IP Properties window.
- Click on OK to close the Network window.
- You should be prompted and informed that the computer will have to be restarted in order for the new settings to take affect.
- Restart the computer.
- After the computer is back up again you should be able to run the example program: “AVTToVB.exe” and communicate with the AVT-932 board set.
- If you have not installed the AVTToVB program (and don’t have MS-VisualBasic 6 installed) you may have to run the install/setup program that comes with AVTToVB. The install/setup program will install several files and require restarting the computer. You will have to re-run install/setup again to actually install the AVTToVB program.
- When running the AVTToVB program select the SEND RAW DATA tab. Enter “B0” (bee zero) into the little window in the upper left. Click on ADD. Click on SEND. You should receive the response “92 : 4 : xx” where xx is the firmware version of the AVT-931 board. Success indicates that you are communicating with the AVT-932 board set.

At this point the example program is installed; your computer is the ‘client’ and is set up properly; and you are able to communicate with the AVT-932 board set.

Contact us if you have any technical questions, we will do our best to provide prompt assistance. Our contact information is provided on the bottom of the first page of this document.