

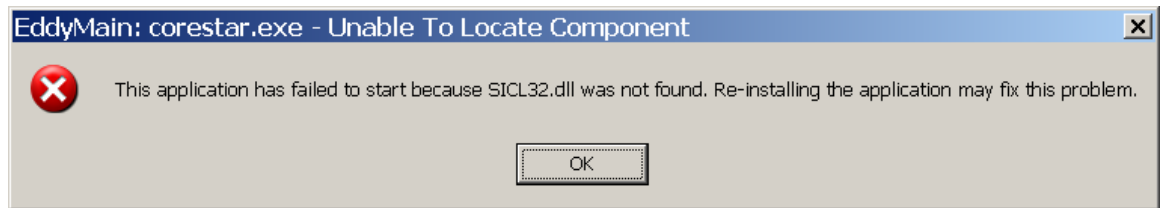
FAQ's About Acquisition

1. **Do I have to update my internal acquisition and analysis HASP keys using the annual *eddyvision.key* file for my portable OMNI-100 tester?**

No. During fabrication, an *eddyvision.key* file is stored in the *[install_path]\...\HASP directory*, which is unique for each portable OMNI-100 tester. You should never have to 'update' the acquisition and analysis keys for an OMNI portable; however, you still have to update the DBMS key annually. For more information on updating or flashing HASP keys, see FAQs for HASP keys.

Note: It's very important that you do not overwrite the existing eddyvision.key file on a portable OMNI-100 tester; else, the analysis and acquisition software will not work.

2. **I get the following SICL32.dll message when I start the acquisition software. Is there something wrong?**



If you're using a tester other than the Miz-18, go to EddyAdmin and simply select the correct tester to make the message not appear anymore.

If you're using a Miz-18, the acquisition software is attempting to communicate with the tester via the GPIB adapter (PC card) installed in your computer.

If the current PC and tester combination has worked recently and nothing has changed, i.e., same operating system, same GPIB card, same Miz-18, same HPIB box, etc. simply try a cold re-boot. Cycle the power on the HPIB box and Miz-18 before re-starting the computer.

If the above doesn't work, try reinstalling the SICL libraries.

Go to: *[install_path]\...\SICL* and run the file named *wnl0201.exe* to install the necessary drivers for your GPIB card. If you have access to the original driver installation disk that came with the GPIB card in your computer, use that one instead.

If the above fails, implement basic troubleshooting techniques to identify the defective component, card, cable, tester, HPIB, etc.

Note: Support for the Miz-18 in EddyVISION32 will soon end due to the unavailability of supported GPIB cards for the current operating systems in use. Additionally, current and future architectural advances in computer technology

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are quickly becoming incompatible with this antiquated test equipment.

3. **Using an OMNI remote tester, when I turn on the tester in the acquisition software, I get a message (or similar message) at the bottom in the status bar that states, “Jsocket Error: send config failed connect WSAETIMEDOUT.” What can I do to troubleshoot this problem?**

First, don't panic. This simply indicates that the network settings may need adjustment so that the tester (and TrackDrive if connected) can communicate with the computer. Go through the following steps to ensure your network settings are setup correctly before resigning that the problem is with the tester. You may need to adjust the steps slightly depending on the version of Windows® (NT/2000/XP) you're using. These steps were developed on a PC running Windows XP.

- 1) Connect the tester and, if applicable, the Track Drive to the computer using CAT-5 Ethernet cables. Make sure green lights are lit on the tester's Ethernet switch.
- 2) On the PC, click the **Start** button & select **Settings | Network Connections**.
- 3) Ensure that a LAN connection has been created. This basic LAN connection should appear as **Local Area Connection**. If there is none, create one. Refer to the appropriate Windows manual if needed.
- 4) On the menu across the top of the **Network Connections** dialog, select **Advanced | Network Identification**, then click the **Computer Name** tab. Verify that all computers on the network are part of the same workgroup, i.e., CORESTAR.
- 5) Check the LAN connection properties by right-clicking **Local Area Connection** on the **Network Connections** dialog, then select **Properties**, then double-click on **Internet Protocol (TCP/IP)** on the **General** tab. This is where the user should assign a specific IP address to “talk” to the tester. Remember, you are not assigning an IP address to the tester at this point – only the computer. The first three sets (*called octets*) of numbers of the **IP address** need to be the same as those for the tester. (If you already know the IP address for the tester, simply make the first three octets for the computer the same. If you do not know the address for the tester, assign the COMPUTER an address and, in step #6, you can set the TESTER'S IP address to the same first three octets.) The **Subnet mask** needs to be 255.255.255.0. The **Default Gateway, Preferred DNS server, and Alternate DNS server** can simply be left blank.
- 6) Verify an icon exists on the desktop for **IP Setup**. If none exists, create one by opening Windows Explorer and navigating to the **IP Setup** utility via `\ProgramFiles\CoreStar\EddyVision 5.x\Netburner\IPSetup.exe`. Send the shortcut to the Desktop.

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7) Once the icon is on the Desktop, double-click the icon, & note the IP addresses for the tester and probe pusher, if applicable. To ensure you are able to discern between the two, disconnect one of the CAT-5 cables from the Ethernet switch on the tester, and then click **Search Again**. Verify the IP Addresses found match what you have set in the EddyVISION acquisition software (*see TESTER CONFIG and/or PUSHER CONFIG dialogs*). Ensure that there are no duplicate IP addresses on the network.

8) With the LANs reconnected, start a DOS window and ping the two or three IP addresses relevant to the project (*computer, tester, and track drive*). To ping an IP address in a DOS window, at the DOS prompt type:

```
ping ###.###.###.###
```

where **###.###.###.###** is the IP address of the device you wish to ping, then press **Enter**. Valid examples include:

```
ping 192.1.6.45
ping 62.169.2.3
ping 192.168.221.112
```

No octet can exceed 255 in any IP address.

9) Start EddyVision and verify that the IP addresses for the peripheral devices are set correctly in the **TESTER CONFIG** and **PUSHER CONFIG** dialogs. In the **TESTER CONFIG** dialog, click on the **TEST LINK** button to verify that a valid communication link exists between the computer & the OMNI remote tester. Jog the TrackDrive forward to verify communication with the pusher.

The preceding steps can be used to troubleshoot the OMNI-100 portable network configuration. The only difference is that there is not an external CAT-5 cable connected between the computer and the tester since this connection is hard-wired inside the tester. A few legacy models of the OMNI-100 portable may have a short CAT-5 jumper on the connector panel, but these models do not have a built-in Ethernet switch.