



Lantronix Node Manual for Use with Access Anywhere for Windows Software

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A. Quick Start Guide

1. How To Use This Manual

This is a Quick Start Guide. For more details on the Lantronix device configuration, refer to the Lantronix manuals. They can be downloaded at the links listed below.

2. Software Installation

a. From a CD

Insert the CD into the PC CD drive. Browse to the CD with Windows Explorer (Right Click Start, Explore). The software on the Lantronix's CD is not always the most current release. We recommend that you download the latest software from www.Lantronix.com.

b. There are two programs available for the Lantronix device. The Device Installer software is optional. The device works with DHCP, so if you wish to use that there no need for the Device Installer software. The Com Port Redirector (CPR) software is **REQUIRED** on the PC with the TCLevel9.exe or TCLevel9SQL.exe programs running on it.

3. Installing the CPR Software

Download the latest CPR software from the following web link:

<http://www.lantronix.com/support/downloads/>

Go to the Utilities/Software Section of this web page and click on Com Port Redirector link. This software is also on the Lantronix CD. There are other useful manuals and documentation at this web location. Install the CPR software on the PC where the TCLevel9 software is running. **BOTH** TCLevel9 and CPR software must be running at all times for the Lantronix node to work properly.

4. CPR Software Setup

Load the CPR software, and power up the Lantronix node and connect it to your LAN network. Do NOT load the TCLevel9 software. Click Device, Search. The software should find the IP address assigned to the Lantronix device automatically. Click Add/Remove at the top, and select an available com port. Click OK. Click on the new port that you selected on the left hand list. Click the Settings tab. Under Service 1 the Host IP should be the Lantronix IP address displayed at the bottom of the screen. Under TCP Port, enter: 10001 and click Save. Next to the Settings Tab will be the Com X Tests tab (X is the selected com port #). Click on this tab. Click the Open button. You should see a red progress bar at the bottom of the screen and no error messages. This indicates that the software is communicating properly with the Lantronix node. Click the Close button to terminate the test. You can now run the TCLevel9 program and select the new Com Port number in the Serial Port menu under Setup. If you get error messages and connection failures in the CPR software, follow the instructions in the CPR software to open the required ports in your firewall. Then run the connection test again.

5. Final Setup of CPR Program

Next create a shortcut (Right click, Create Shortcut) for the CPR program, and drag the shortcut to your desktop. This shortcut should also be in Windows Startup.

6. Toye System Configuration

Up to 4 Lantronix nodes can be used on any Toye System. There are 4 system buses selectable in the TCLevel9 software under Setup, Com Ports. (If there is a local hard wired USB bus, then there can be only 3 Lantronix nodes.) If more than 4 remote systems are required, TCLevel10 programs will have to be used with remote PC's.

7. Bus Wiring

Plug in the DB-25M connector provided into the Lantronix Node. Make the following connections to the reader data bus:

Pigtail Wire Color	Data Line	4120/4122 Pin# (Count from bottom up)
Red	A	1
Orange	B	2
Blue	C	3
Purple/Violet	D	4
Black	Grnd	5

You can connect up to 127 readers or other Toye devices to each Lantronix Node.

8. Manual Updates

This manual will be updated as needed. Updates can be downloaded from the following web site: <http://www.toyecorp.com/LantronixMan.pdf>

9. Troubleshooting

The Lantronix node and CPR software is very reliable. If there is a loss in the network connection, or a power failure in the power to the Lantronix Node, the remote connection will have to be restarted manually. All of the programs including Windows on the TCLevel9 PC will have to be restarted in order to re-establish the network connection. It is therefore suggested that the Lantronix Node be put on a UPS (battery backup) or the POE mode be ordered.