

The Linktropy 4500 WAN Emulator is managed through a browser-based GUI over an Ethernet connection to a dedicated management interface. Prior to operation, this management interface must be configured with appropriate network settings, either through the Linktropy GUI or through a command-line interface accessed via the serial console. For convenience, the management interface comes preconfigured with an IP address of 10.0.0.10, and the GUI is accessible from a directly-connected host on the 10.0.0.0/255.0.0.0 subnet.




Preparation

Management of the Linktropy WAN Emulator requires a PC running a supported web browser (Internet Explorer v6 or later, Mozilla Firefox, or Google Chrome). JavaScript must be enabled.

Initial configuration of the management interface requires either:

- ▶ a PC running a supported web browser that can be configured and placed on the 10.0.0.0/255.0.0.0 network.
- ▶ a PC with an RS-232 serial port running terminal emulation software such as HyperTerminal or PuTTY.

Locate the Linktropy CD in the shipping carton. The CD includes the following documentation:

-  *Linktropy WAN Emulator User's Guide*
-  *Linktropy 4500 Hardware Guide*
-  *Linktropy 4500 Quick Start Guide*

Hardware Installation

The Linktropy 4500 may be installed in a standard 19" rack or on a desktop. See the *Linktropy 4500 Hardware Guide* for rack-mount installation instructions.

Plug in a standard power cord (a U.S. power cord is supplied with the unit) into the socket on the back of the Linktropy 4500 and set the power switch to the ON (I) position. When powered on, the Power LED on the front panel will glow green. The system will be available for use within 90 seconds.

IP Address Configuration via the Linktropy GUI

To configure the management interface using the Linktropy GUI:

- 1 Configure a PC running a supported web browser with an IP address on the 10.0.0.0/255.0.0.0 subnet.
- 2 Connect an Ethernet cable between the PC and the MGMT port of the Linktropy 4500.
- 3 Open the browser on the PC and enter `http://10.0.0.10` (the preconfigured management address) in the address bar. The Linktropy End User License Agreement will be displayed in a separate window.
- 4 Review the License Agreement. The Linktropy GUI will be displayed once the License Agreement is accepted.
- 5 The Linktropy GUI will open to the **Device Settings** tab. If desired, modify the IP address, netmask, and default gateway for the management interface. Click the *Apply Changes* button when done.

IP Address Configuration via the Serial Console

Using the provided RJ-45 to DB-9 cable, connect the serial port of a PC running terminal emulation software to the CONSOLE port of the Linktropy 4500. Set the serial port parameters to 9600 baud, 8 bits, no parity, 1 stop bit, and disable flow control. For more details on connecting to the serial console, see the *Linktropy 4500 Hardware Guide*.

Press [ENTER] to display a login prompt. At the prompt, log in as “admin”. There is no password.

```
linktropy login: admin
```

Use the following commands to set the IP address, IP netmask, and default gateway of the Linktropy 4500 management interface:

```
mgmt set addr <interface-ip-address> netmask <ip-netmask>
mgmt set gw <default-gateway>
```

IP addresses and netmasks are entered in dotted-decimal format. For example:

```
linktropy> mgmt set addr 192.168.1.1 netmask 255.255.255.0
```

- 6 Once the management interface has been configured, use the Ethernet cable to connect the MGMT port to the management network.

Operation

Install the Linktropy 4500 between two LAN segments as shown in the diagram. By default, the Linktropy 4500 acts as a bridge between the Ethernet segments connected to the LAN A and LAN B ports. Frames received on one port are subjected to the emulated WAN conditions before being forwarded to the opposite port.

Emulation conditions for the WAN link are configured in the Linktropy GUI and operate independently in each direction. To set the emulation parameters, use a web browser to connect to the Linktropy GUI at the configured management address. All emulation parameters are found on the **Link Emulation** tab. Emulation is disabled until the red “Emulation On/Off” button at the top of the screen is pressed. See the *User’s Guide* for details on Linktropy emulation parameters or click the **i** buttons on the GUI for information on specific parameters.



Registration

For access to firmware upgrades, documentation, and other support materials, register your unit on-line at: <http://www.apposite-tech.com/register.html>.