



Linktropy® 5510 Quick Start Guide

The Linktropy 5510 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, Firefox, Chrome or Safari). 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.

The following product documentation is located at <http://www.apposite-tech.com/resources/docs.html>.

- *Linktropy WAN Emulator User's Guide*
- *Linktropy 5510 Hardware Guide*
- *Linktropy 5510 Quick Start Guide*

► HARDWARE INSTALLATION

The Linktropy 5510 is designed for installation in a standard 19" rack. See the *Linktropy 5510 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 5510 and set the power switch to the ON (1) position. When powered on, the Power LED on the front panel glows 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 the IP address 10.0.0.2 or other address on the 10.0.0.0/255.0.0.0 subnet.
- 2 Connect an Ethernet cable between the PC and the MGMT port on the front of the Linktropy 5510.
- 3 Open the browser on the PC and enter <http://10.0.0.10> (the preconfigured management address) in the address bar. Review the End User License Agreement.
- 4 The Linktropy 5510 is shipped with a temporary license pre-installed for initial operation. Follow the instructions on the screen to download and install a regular license. This step may be skipped and the license installed later.
- 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.
- 6 After the management interface has been configured, use the Ethernet cable to connect the MGMT port to the management network.

► IP ADDRESS CONFIGURATION VIA THE SERIAL CONSOLE

To configure the management interface using the Linktropy serial console:

- 1 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 5510. 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 5510 Hardware Guide*.

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

```
linktropy login: admin
```

- 3 Use the following commands to set the IP address, netmask, and default gateway of the Linktropy 5510 management interface:

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

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


```
mgmt set addr 192.168.1.1 netmask 255.255.255.0
```

- 4 After the management interface has been configured, use an Ethernet cable to connect the MGMT port of the Linktropy 5510 to the management network. Open a browser and enter the IP address of the MGMT interface in the address bar. Review the End User License Agreement.

- 5 The Linktropy 5510 is shipped with a temporary license pre-installed for initial operation. Follow the instructions on the screen to download and install a regular license. This step may be skipped and the license installed later.

► OPERATION

Install the Linktropy 5510 between two LAN segments as shown in the diagram. By default, the Linktropy 5510 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  buttons on the GUI for information on specific parameters.

