The Linktropy Mini2 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 Mini^2 requires a PC running a supported web browser (IE, 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 documentation is located at http://www.apposite-tech.com/resources/docs.html.

- *Linktropy Mini^2 WAN Emulator User's Guide*
- *Linktropy Mini^2 Hardware Guide*
- *Linktropy Mini^2 Quick Start Guide*

▶ HARDWARE INSTALLATION

Plug in the supplied power adapter to the DC power input on the unit. The Power LED on the front panel will glow green. The system will be available for use within 60 seconds.

To configure the management interface using the Linktropy GUI:

❶ 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.

❷ Connect an Ethernet cable between the PC and the MGMT port of the Linktropy Mini^2.

❸ 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.

❹ Review the License Agreement. The Linktropy GUI will be displayed once the License Agreement is accepted.

❺ 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.

❻ Once 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

Using the provided DB-9 cable, connect the serial port of a PC running terminal emulation software to the CONSOLE port of the Linktropy Mini². 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 Mini² 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 Mini² management interface:

```
mgmt set addr <interface-ip-address> netmask <mask>
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
```

▶ OPERATION

Install the Linktropy Mini² between two LAN segments as shown in the diagram. By default, the Linktropy Mini² 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.

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