

The ESTeem Model 195Ep Web Configuration Manager is an internal web server that will allow setup, monitoring and diagnostics of all operating parameters in the Model 195Ep. The 195Ep can be configured using any current web browser software such as Internet Explorer, Netscape or Mozilla.

### LOGGING ON TO THE ESTeem WEB PAGE

1. Using your Web Browser connect to the Model 195Ep Web Page with the IP Address that you have assigned it in Chapter 3.
2. You will now see the Log-on Menu on Figure 1. To enter the Model 195Ep Top Menu you will need to log into the system with a User Name and Password.
3. For the User Name enter **admin** and press the Enter key (<Enter>). The User Name is defined at the factory and is not changeable.
4. Enter your Password and press the Enter key (<Enter>).



Figure 1: ESTeem Web Page Log-on Screen

*If this is the first time the Model 195Ep has been programmed and Password was not changed from the factory default values, proceed with the steps below to access the Configuration Menu.*

- *The factory default Password is also admin. Enter admin for the Password and press the Enter key (<Enter>).*
  - *Note: All characters are lower case.*
5. After Log-in the next screen displayed will be the Model 195Ep Top Menu page (Figure 2). This example screen shows the Top Menu screen.

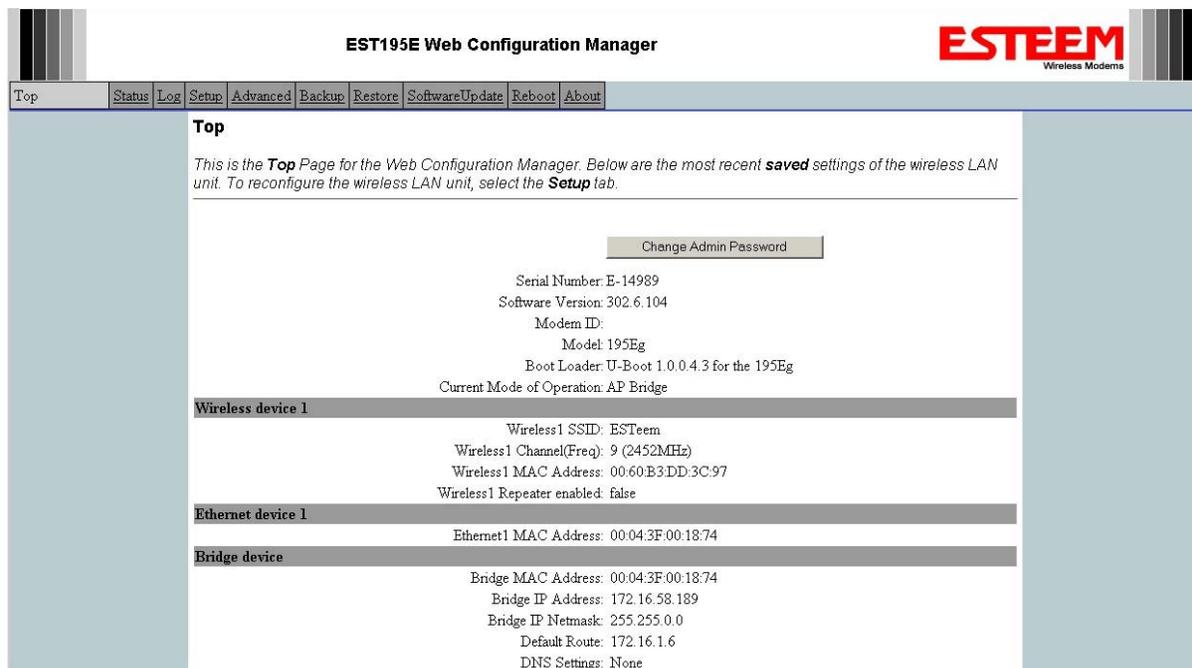


Figure 2: Top Menu Screen

*Note: Throughout the Configuration Manager are Help Screens that can accessed for further information on each item.*

## WEB CONFIGURATION MANAGER SECTIONS

The following sections will describe the features in each of the main and sub menu items in the web pages. For step-by-step examples of how to configure the Model 195Ep in different Modes of Operation, please refer to Chapter 5 – Example Configurations.

### Top Menu

The Top Menu will be the default web page for the Model 195Ep Web Configuration Manager (Figure 2). This section will display the current configuration summary for the Model 195Ep and allow changing of the default password. This page will also display the Modem ID field that can be used to easily identify the 195Ep you are programming. This Modem ID field can be set to any text combination for example, location name, GPS coordinates or addresses.

### Setting the Modem ID

1. The Modem ID field can be adjusted under the *Global Variables* of the *Advanced* Menu tab. Select *Global Variables* and press the *Next* button. Figure 3 will be displayed.
2. Scroll to the bottom of the *Global Variables* window and enter the text you would like displayed in the *Modem ID* field (Figure 4). When complete, press the *Save Settings* button and the *Commit Changes* button on the next screen to save the name to the 195Ep.

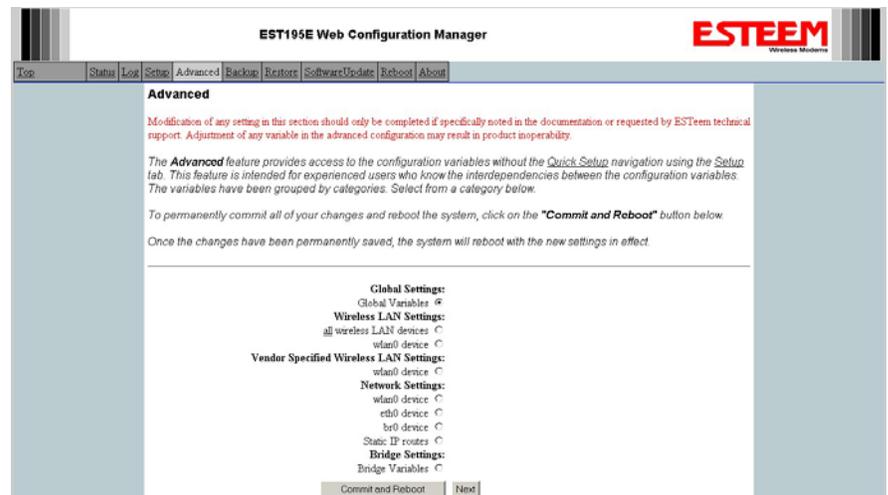


Figure 3: Global Variables Screen

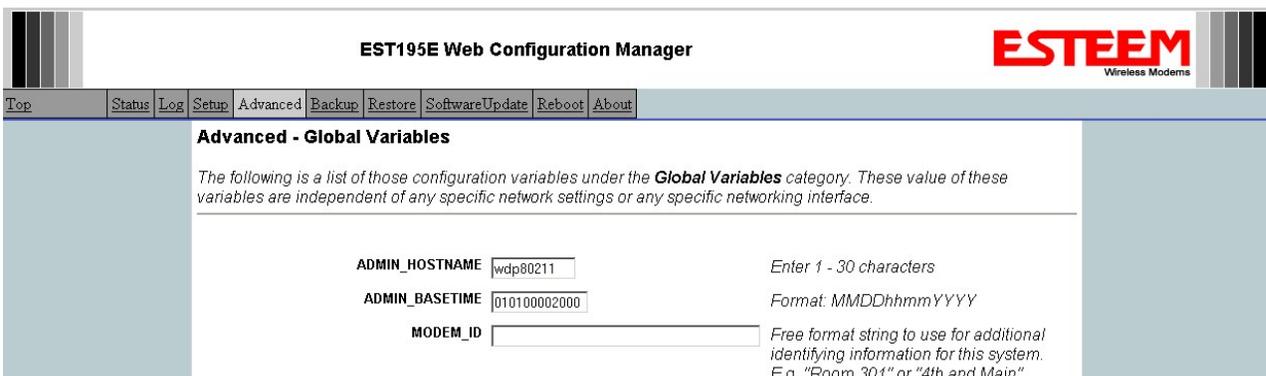


Figure 4: Modem ID Field in Global Variables Screen

## Status Menu

The Status Menu provides a summary of the current mode of operation, system time, processor usage and status of the communication links to other wireless devices. An example is shown below in Figure 5. Most of the communication troubleshooting is done in this section of the Web Configuration Manager.

The screenshot shows the 'EST195E Web Configuration Manager' interface. At the top right is the ESTEEM logo with 'Wireless Modems' underneath. A navigation menu includes 'Top', 'Status', 'Log', 'Setup', 'Advanced', 'Backup', 'Restore', 'SoftwareUpdate', 'Reboot', and 'About'. The main content area is titled 'Status: Summary' and contains a descriptive paragraph. Below this are three sections: 'Common Status' (System Mode: AP Bridge, Current System Time: Mon, 12 Jun 2006 09:59:01, System Temperature: 134446952 C, 0 F, Up Time: 0 days, 00:00:55), 'CPU/Memory Status' (CPU Usermode(%): 5, CPU Kernelmode(%): 4, CPU Idle(%): 91, CPU Interrupts per Second: 32, Pageable Memory Total: 14404, Pageable Memory Used: 10588, Pageable Memory Free: 3816, Number of Processes: 26), 'Wireless device 1 Status' (with links for 'View Peer Table' and 'View Global Counter Details', and details for SSID, MAC Address, and various statistics), and 'Ethernet device 1 Status' (with details for Ethernet MAC Address and various statistics).

Figure 5: Status Screen

## Peer Status Table

The Peer Status submenu lists the connected wireless devices (either Model 195Eps or 802.11g/b clients), their signal strength, data rate and time of last packet sent. Press the [View Peer Table](#) link and Repeater Peer Status Table will be displayed (Figure 6). For a detailed analysis of the information provided in this table, please review Appendix F – Troubleshooting.

**Associated Station** – This section will list all the associated stations that are attached to the Access Point. These could be other Model 195Ep's in one of the three Client modes or 802.11g/b devices.

Repeater Peers – This section will list all connected 195Ep repeater peers by their Wireless MAC address. For detailed information on repeaters, see Chapter 6 – Repeating Features.

Access Points – This section will list all other 802.11g or 802.11b Access Points that are sharing the operating channel (frequency) of the 195Ep. You can also note that the Repeater Peers listed above are also included in this list.

**EST195E Web Configuration Manager**

**ESTEEM**  
Wireless Modems

[Top](#) [Status](#) [Log](#) [Setup](#) [Advanced](#) [Backup](#) [Restore](#) [SoftwareUpdate](#) [Reboot](#) [About](#)

**Status: Peer Table**

*This page is a summary view of the peer table for WLAN device wlan0. Click on a given MAC address for more details about that peer.*

[Return to Status Summary Page](#)

Associated Stations

MAC Addr	Signal	LastRx (sec@kbps)	Tx(Pkts)	Tx(KB)	Rx(Pkts)	Rx(KB)
<a href="#">00:14:6c:19:0e:59</a>	-48	47@54000	206	5	383	26

Repeater Peers

MAC Addr	Signal	LastRx (sec@kbps)	Modem ID
<a href="#">00:04:3f:00:18:76</a>	-42	0@54000	

**Figure 6: Peer Table Screen**

### Counter Details

The Counter Details submenu will summarize all transmitted and receive data packets for the Model 195Ep (Figure 5).

## System Log Screen

The Log Screen is a trouble-shooting tool that shows the current log of Model 195Ep system messages. See Figure 7. The System Details button will display a more detailed system diagnostics that may be requested by ESTeem technical support.



Figure 7: System Log Screen

## Setup Screen

The Setup screen allows the step-by-step configuration of the Model 195Ep. Please see Chapter 5 for complete description on System Setup menu and examples for system configurations. See Figure 8.

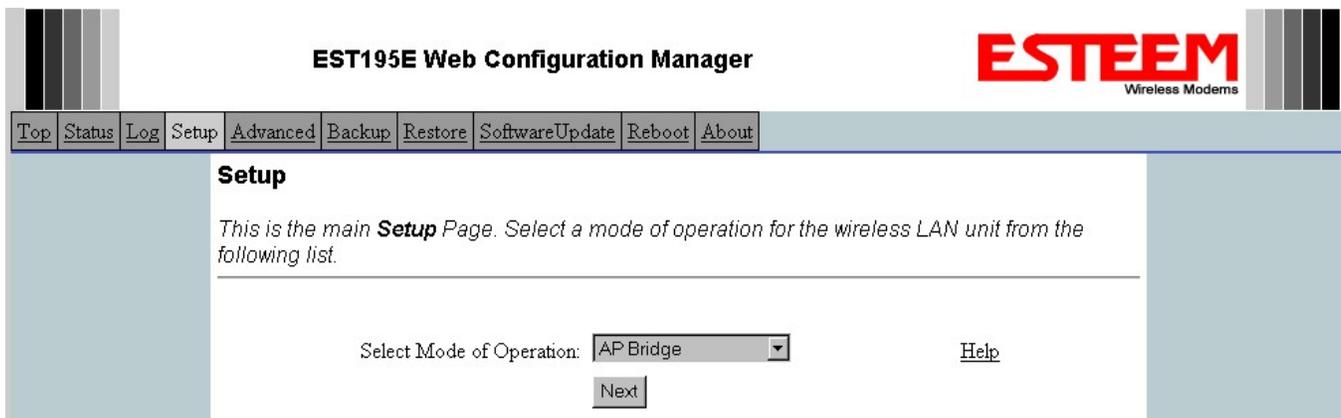


Figure 8: Setup Screen

### Advanced Configuration Screen

The Advanced screen allows the user to access all configuration parameters. The parameters are grouped based upon their variable. **It is recommended that only advanced users of the Model 195Ep enter this section unless instructed by ESTeem technical support.** See Figure 9.

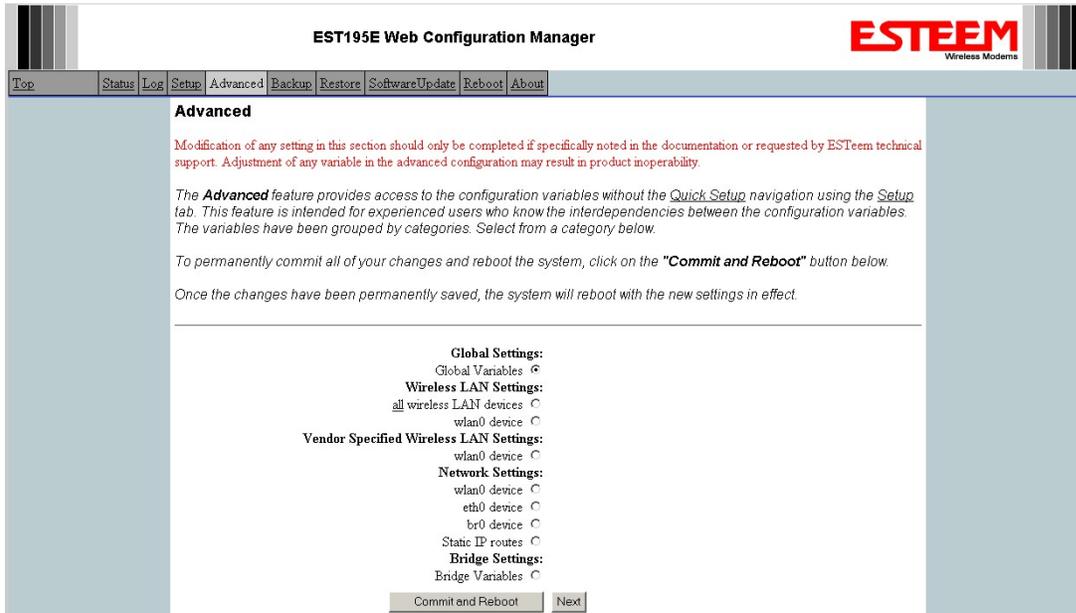


Figure 9: Advanced Features Screen

### Backup Screen

The Backup Screen saves the current configuration in the Model 195Ep to a file on the computer or network. See Figure 10. Pressing the Backup Button will create a configuration file that can be saved to the computer. This saved file can then be later opened, if necessary, by the Restore menu to quickly replace a Model 195Ep with a spare modem.

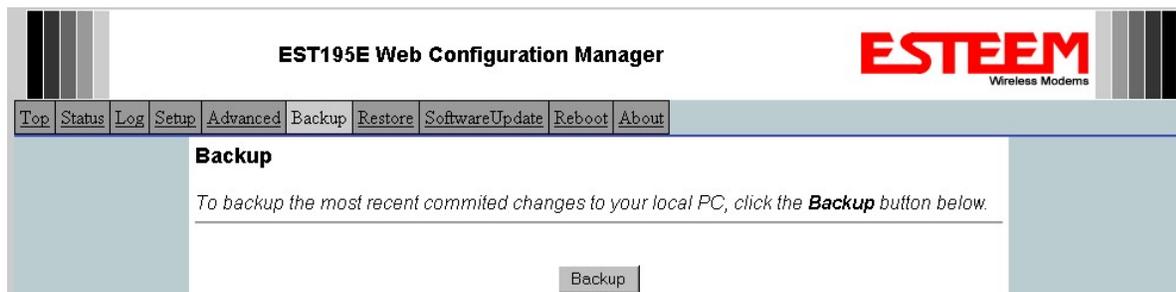


Figure 10: Backup Screen

### Restore Screen

The Restore screen is used to restore the 195Ep to factory defaults, return to the last saved configuration or to access the configuration files that were backed up to the computer. See Figure 11.

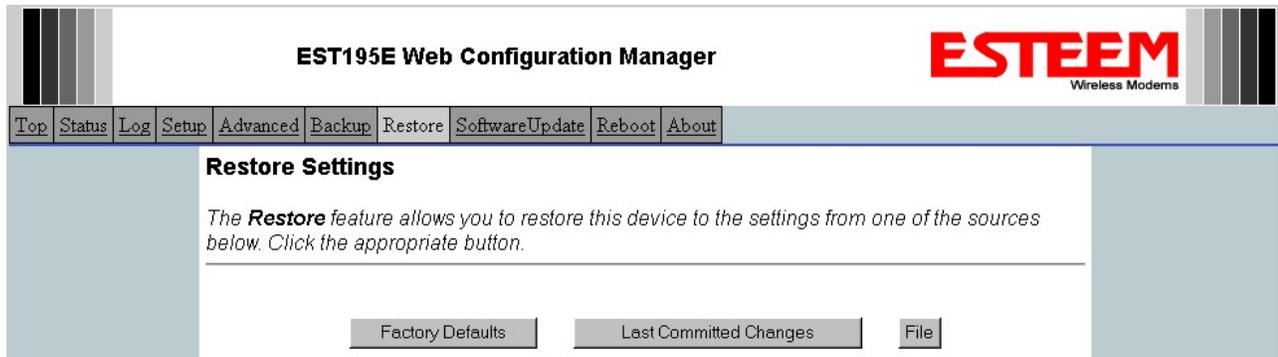


Figure 11: Restore Setting Screen

Factory Default – Returns the Model 195Ep to all factory default values.

Last Committed Changes – This button will remove any changes to the modem that have been done since the last committed changes. The last committed changes will be read from the Flash file and reset in the Model 195Ep.

File – Pressing this button will bring up a selection of where the restore file was saved during the Backup (Figure 12). Select “Upload via web browser” to browse for files saved on a local computer or select “Download from an http or ftp URL” for files saved on a network or over the Internet.



Figure 12: Restore From Local File Screen

### Software Update Screen

The Software Update feature allows the user to update the latest Model 195Ep operating system software from a file supplied by the factory or the Internet to the Model 195Ep's flash memory. To upload from a file on your computer, select *Upload via web browser* and a file selection window will be displayed. To upload directly from the Internet, select *Download from an http or ftp URL* and enter the site address. See Figure 13.

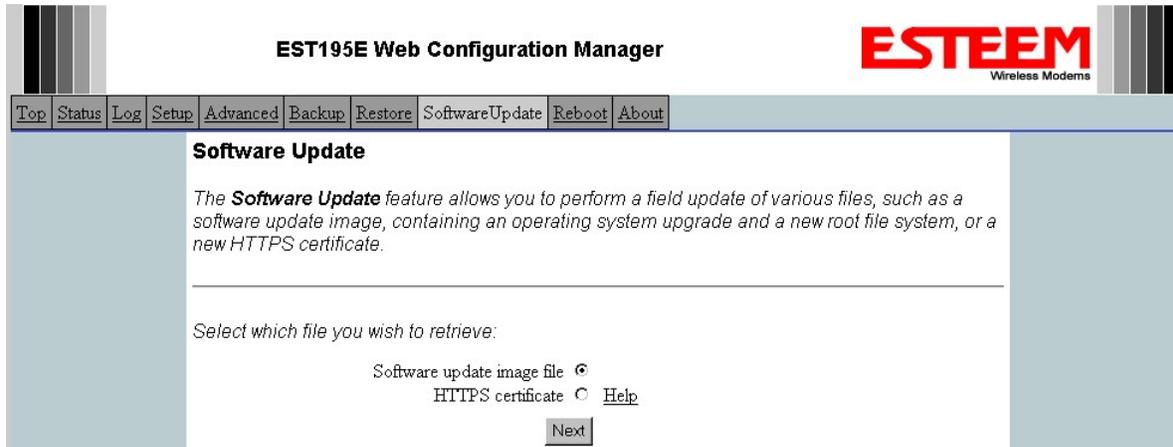


Figure 13: Software Update Screen

### System Reboot Screen

The Reboot screen allows the user to reset the Model 195Ep. See Figure 14.

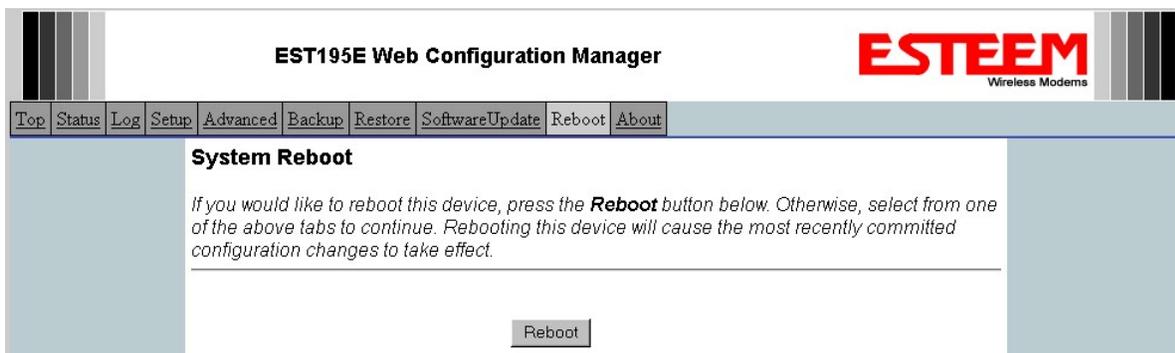


Figure 14: System Reboot Screen