



Configuring the Ethernet Port

This chapter describes the procedures for administering the devices attached to the bridge through its Ethernet port.

Here's what you'll find in this chapter:

- [Using the Configuration Ethernet Menu, page 5-2](#)
- [Enabling / Disabling the Ethernet Port \(Active\), page 5-2](#)
- [Setting the Maximum Ethernet Frame Size \(Size\), page 5-2](#)
- [Adding, Removing, and Displaying Client Node Addresses \(Add, Remove, Display\), page 5-2](#)
- [Determining the Bridge's Idle Time \(Staletime\), page 5-3](#)
- [Overriding the Staletime Setting \(Keep\), page 5-3](#)

Using the Configuration Ethernet Menu

Use the Ethernet menu to administer the devices attached to the bridge through its Ethernet port.

Navigation: Choose **Main > Configuration > Ethernet**

Option	Value	Description
1 - Active	[on]	- Connection active
2 - Size	[1518]	- Maximum frame size
3 - Add		- Add client address
4 - Remove		- Remove client address
5 - Display		- Display the client addresses
6 - Staletime	[700]	- Wired LAN node stale out time
7 - Keep	[on]	- Do not stale out client nodes

Enter an option number or name, "=" main menu, <ESC> previous menu
>

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Enabling / Disabling the Ethernet Port (Active)

The *Active* option enables or disables the Ethernet port connection. The default setting for active is *on*. Choose *off* only to temporarily stop traffic from the attached Ethernet devices.

If the Ethernet Port is disabled, the only way to access the bridge is through the radio connection; if the bridge is not associated to an access point, you might have to reset to default parameters using the reset button.

Setting the Maximum Ethernet Frame Size (Size)

The *Size* option defines the maximum size of frames transmitted to and from the Ethernet infrastructure. Allowable values are between 1518 and 4096. Do not set the maximum frame size to be greater than 1518 unless you are running proprietary software that allows you to exceed this maximum.



Note

After you change the parameter, you must restart the bridge by powering it off and then on or by selecting **Diagnostics > Restart**.

Adding, Removing, and Displaying Client Node Addresses (Add, Remove, Display)

Add, Remove, and Display Ethernet MAC Addresses

The *Add*, *Remove*, and *Display* options manage Ethernet MAC addresses for devices that pass traffic through the bridge.

Add Ethernet MAC addresses

The *Add* option allows you to add Ethernet MAC addresses for devices that might pass traffic through the bridge. If no addresses are added through the *Add* option, the bridge learns the first eight MAC addresses that pass through its Ethernet Port. Subsequently, only data from those addresses is allowed to pass through the bridge.



Caution

The first MAC address you add should be that of the PC you are using to Telnet or browse to the bridge.

You should add MAC addresses if there are more than eight Ethernet devices attached to the hub to which the bridge is connected. This ensures that the selected devices communicate through the bridge. After an address is added, the bridge won't learn any more addresses. You must type each MAC address you wish to have communicate through the bridge (up to eight).

Once you enter the first MAC address, the MAC addresses of every other device that you want the bridge to communicate with must be entered. The process is not automatic and the bridge will no longer "learn" any addresses. The addresses must be manually entered.

Remove Ethernet MAC Addresses

The *Remove* option allows you to remove specified Ethernet MAC addresses. When all MAC addresses are removed, the bridge goes back to learning the MAC addresses responsible for traffic on its Ethernet port.

Display List of Ethernet MAC addresses

The *Display* option displays the current list of specified Ethernet MAC addresses.

Determining the Bridge's Idle Time (Staletime)

The *Staletime* option determines the amount of time the bridge must be idle (no packets received from or transmitted to it) before it is removed from the association table. You can specify a time from 5 to 1000 seconds for this option.



Note

The *Keep* option must be set to **off** to enable the *Staletime* option.

Overriding the Staletime Setting (Keep)

The *Keep* option overrides the *Staletime* option. Setting the option to **on** keeps the bridge listed on the association table. Setting the option to **off** enables the *Staletime* option.

