Command Line Syntax (V2.1 BIOS)

Each command available at the Lodging Link "Howdy>" prompt takes the following form :

Where brackets " [ ] " denote optional parameters, but are *not* typed as part of the command.
Where a pipe "|" indicates that one of the values that it separates should be chosen as the *value*.

$$command \; [\text{-}switch[=value[|value \; ... \; | \; value]]]$$

Where command is any of the available commands listed below.
Where *-switch*[*=value*] is specifically defined under each command listed below.

***Do <u>not</u> type a space between the -switch, equal sign and value* when entering any command.**

Available Commands:

Command Description

ll2
Sets and retrieves information about the overall status of the LL2 unit

ipconfig
Sets and retrieves the network parameters for the LL2 unit

macchange
Sets the hardware Mac address of the LL2 unit

portconfig
Sets and retrieves the serial port parameters for each serial port on the Lodging Link unit

ping
Issues an ICMP ping request from Lodging Link to a destination machine.

pmsconfig
This command is no longer available. See *portconfig* for more info.

help
Provides a list of all commands available from the command line. Any of the commands listed can be invoked with the -? switch to see their options.

Common Switches

Most command line applications in the Lodging Link unit support this common set of switches.

-i
Displays general information related to the command.

-I
Displays more verbose information related to the command.

-v
Displays the version number of the command software.

-?
Displays usage information about the command.

ll2

Sets and retrieves information about the overall status of the LL2 unit.
[Supports Common Switches]

-start
Starts the LL2 unit if the -stop flag has been previously used. It does not perform any hardware resetting.

-stop
Stops the LL2 unit if it is running. It simply stops all interface software except the command line.

-reset
Resets the LL2 unit's hardware. This is equivalent to pressing the RESET button on the front of the unit.

-debug= on|off
Allows informational messages to be sent from the Lodging Link unit to the LinkMonitor application. Messages are sent by default (the status is on).

-config= ip_address
Reboots the Lodging Link unit and attempts to connect to an LL2 Configuration Server at the specified *ip address*.

**-trace= none | debugger
| console | ethernet**
Set the debugging trace location to one of the specified values

-v
Displays the version of this application

Example 1: **To restart the Lodging Link Unit**

       Howdy> **ll2 -reset**

Example 2: **To restart the Lodging Link Unit and connect to an LL2 Configuration Server**

       Howdy> **ll2 -config=192.168.0.55**

ipconfig

Sets and retrieves the network parameters for the LL2 unit.

[Supports Common Switches]

-a= ip_address
Sets the IP address of the LL2 unit.

-s= subnet_mask
Sets the subnet mask of the LL2 unit.

Example: **To set the IP Address of the LL2 unit**

       Howdy> **ipconfig -a=192.168.0.100**

pmsconfig

This command is no longer implemented. Please see the *portconfig* command for further information on setting the PMS' destination IP address and port number.

portconfig

Sets and retrieves the serial or ethernet parameters for each **logical** port on the Lodging Link unit. (This command should now be used to instruct Lodging Link at which IP Address and Ethernet port it can find the Property Management System. It replaces the *pmsconfig* command. *See Example 2*.)

[Supports Common Switches]

-d= device_id
This switch is required as the first parameter if you are setting any parameters for a **logical port**.

Note on **logical** and **physical** port assignments.

Logical Ports

Lodging Link has <u>eight</u> *logical* ports numbered 0 through 7. These logical port numbers are shown in the table under the heading **Logical** when the Lodging Link Unit first boots up. These logical port numbers ***must*** be used as the device_id value for this parameter when changing any settings using the this command. This value should not be confused with the physical ports listed below.

Physical Ports

Lodging Link has <u>nine</u> *physical* ports, named L0 through L7 and Ethernet. These physical port names are shown in the table under the heading **Physical** when the Lodging Link Unit first boots up. These physical port names are provided to indicate to the installer which "hole" to plug a particular interface into on the Lodging Link unit. These *physical* names (L0, L1, etc.) usually correspond directly with their *logical* counterparts (0, 1, etc.), however, this is not always the case. **Therefore, when issuing a *portconfig* command, make sure to use the <u>logical</u> port number and *not* the <u>physical</u> port number.   The <u>logical</u> port values can be found when the Lodging Link unit first boots up.**

-t= serial | ethernet

Specifies the type of device associated with a particular port. Should only be used when **changing** the port's device type (between serial and Ethernet).

The -d switch must appear before this one.

If using -t=serial
this switch must be followed by at least one of -baud, -data, -parity or -stop when the current device type is Ethernet and you wish to change to serial.

If using -t=ethernet
this switch must be followed by at least one of -a or -p when the current device type is serial and you wish to change to Ethernet.

-baud= baud_rate
(*serial only*)

Sets the baud rate for the device. The -d switch must appear before this one.

Valid values are 1200, 2400, 9600, 19200, 38400.

-data= data_bits
(*serial only*)

Sets the number of data bits for the device. The -d switch must appear before this one.

Valid values are 4, 5, 6, 7 or 8.

-stop= stop_bits
(serial only)
Sets the number of stop bits for the device. The -d switch must appear before this one.

Valid values are 1 or 2.

-parity= parity
(serial only)
Sets the parity for the device. The -d switch must appear before this one.

Valid values are N, E or O.

-a= ip_address
(ethernet only)
Sets the IP Address for the device. The -d switch must appear before this one.

Valid values are of the following form: 255.255.255.255

-p= port
(ethernet only)
Sets the IP port number for the device. The -d switch must appear before this one.

-r
Resets the port parameters of the specified device_id. If the device_id is not provided, the command resets the port parameters for **all** devices.

Example:

portconfig -d=2 -r
Will set **logical port** 2 to default values.

Example 1:   To set the baud rate for a serial device on logical port 4 to 9600 bps

Howdy> portconfig -d=4 -baud=9600

Example 2: To set the IP address and IP port for an Ethernet device on logical port 0

Howdy> portconfig -d=0 -a=192.168.0.99 -p=28673

ping *ip_address*

Sends an ICMP ping request to a destination machine in an attempt to see if that machine is reachable from the Lodging Link unit.

If the destination machine **is reachable** and responds, you will see the message :
"*ip address* is alive".

If the destination machine **is *not* reachable** or does not respond, you will see the message :
"ping wrote *ip address* 64 chars, ret=-1"

ip_address
destination address of the ping request.

-s
performs 10 sequential ping requests of the same host and reports the results of the attempts.

Example: To ping a machine with IP address of 192.168.0.99

> Howdy> **ping 192.168.0.99**
> ping (192.168.0.99): 56 data bytes
> 192.168.0.99 is alive
> Howdy>

macchange

Sets and retrieves the hardware Mac address assigned to the Thinserver.
[Supports Common Switches]

-i
Displays the current MAC address

-I
Displays verbose MAC address information

Example :   To change the Mac address of the Unit.

> Howdy> **macchange**
>
> Enter last three bytes of MAC Address or type 'Q' to quit: 00-10-C5-

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