

PicoStation2 HP setup for WAP using master DHCP server

The screenshot shows the web interface of a Ubiquiti PicoStation2 HP. The browser address bar shows the URL `http://192.168.1.22/inc`. The interface includes a navigation menu with tabs for MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The STATUS section displays various configuration parameters and their current values. Below this are sections for LAN and WLAN statistics, and WLAN errors.

STATUS

Base Station SSID:	MarkS	AirMax Capacity:	- %
AirMax Quality:	- %	Channel:	11
Frequency:	2462 MHz	Noise Floor:	-96 dBm
Antenna:	Main	ACK Timeout:	35
Security:	none	Date:	2011-09-05 16:55:21
Uptime:	12 day(-s) 23:24:28	Host Name:	UBNT
LAN Cable:	ON	LAN IP Address:	192.168.1.22
LAN MAC:	00:27:22:CF:34:D8	WLAN IP Address:	192.168.1.22
WLAN MAC:	00:27:22:CE:34:D8		
Extra info:	----		

LAN STATISTICS

	Bytes	Packets	Errors
Received:	493074775	1439974	0
Transmitted:	21402296	159546	0

WLAN STATISTICS

	Bytes	Packets	Errors
Received:	21869641	240449	0
Transmitted:	245955692	390663	0

WLAN ERRORS

Rx Invalid NWID:	879756	Tx Excessive Retries:	0
Rx Invalid Crypt:	0	Missed Beacons:	0
Rx Invalid Frag:	0	Other errors:	0

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Wireless Tab: choose, Access Point
type in your ssid

Channel width: choose 20 Mhz

Security: choose none or WPA2 uncheck the Show box with new password

Hit Change button and apply - reboots in 10 seconds

The screenshot shows the web interface of a PicoStation2 HP device. The browser address bar shows the URL `http://192.168.1.22/lin`. The page title is "UBNT: [PicoStation2...". The interface has a navigation menu with tabs: MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The "WIRELESS" tab is selected. The "BASIC WIRELESS SETTINGS" section includes: Wireless Mode: Access Point; SSID: MarkS; Country Code: UNITED STATES; IEEE 802.11 Mode: B/G mixed; Channel Spectrum Width: 20MHz; Channel Shifting: Disabled; Channel: 11 - 2462 MHz; Antenna Gain: 0 dBi; Cable Loss: 0 dB; Output Power: 29 dBm; Data Rate, Mbps: 54. The "WIRELESS SECURITY" section includes: Security: none; Authentication Type: Open; WEP Key Length: 64 bit; WEP Key: (empty); WPA Preshared Key: (empty); MAC ACL: Disabled; Key Type: HEX; Key Index: 1; Policy: Allow. A "Change" button is at the bottom of the settings area. A red text overlay at the bottom of the screenshot reads: "7-12-2014 PicoStation2 HP as setup on the back peak of Mark Shaws Home - 56 Kono Circle".

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Network Tab if more Ubiquiti devices than change default 192.168.1.20 to something else like 192.168.1.24

Network Mode: **Bridge**

Static 192.168.1.24 Netmask 255.255.255.0

Gateway 192.168.1.1 Primary DNS 192.168.1.1 Secondary DNS 192.168.1.1
(or other appropriate addresses – check with network engineer if questions)

Hit Change button and apply - reboots in 10 seconds

The screenshot shows a web browser window displaying the configuration page for a PicoStation2 HP. The browser's address bar shows the URL `http://192.168.1.22/ne`. The page has a navigation menu with tabs for MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The NETWORK tab is selected. The main content area is titled "PicoStation2^{HP}" and features the "airOS" logo. Under the NETWORK tab, the "Network Mode" is set to "Bridge" and "Disable Network" is set to "None". The "NETWORK SETTINGS" section includes options for "Bridge IP Address" (DHCP or Static), "IP Address" (192.168.1.22), "Netmask" (255.255.255.0), "Gateway IP" (192.168.1.1), "Primary DNS IP" (192.168.1.1), "Secondary DNS IP", "DHCP Fallback IP" (192.168.1.20), and "Spanning Tree Protocol" (unchecked). The "FIREWALL SETTINGS" section has "Enable Firewall" unchecked. A "Change" button is located at the bottom of the settings area. The footer of the page contains the copyright notice: "© Copyright 2006-2011 Ubiquiti Networks, Inc.".

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The screenshot shows a web browser window displaying the PicoStation2 HP configuration page. The browser's address bar shows the URL `http://192.168.1.22/ad`. The page title is "UBNT: [PicoStation2...". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The browser's toolbar shows various icons for search, logins, and other services. The page content is organized into several sections:

- ADVANCED WIRELESS SETTINGS**
 - Rate Algorithm: EWMA
 - Noise Immunity: Enabled
 - RTS Threshold: 2346 Off
 - Fragmentation Threshold: 2346 Off
 - Distance: 2.5 miles (4 km)
 - ACK Timeout: 48 Auto Adjust
 - SuperG Features: Fast Frame Bursting Compression
 - Multicast Data: Allow All
 - Multicast Rate, Mbps: 1
 - Extra Reporting: Enabled
 - Installer EIRP Calculation: Enabled
 - Enable Client Isolation:
- SIGNAL LED THRESHOLDS**

	LED1	LED2	LED3	LED4
Thresholds, dBm:	-94	-80	-73	-65
- WIRELESS TRAFFIC SHAPING**
 - Enable Traffic Shaping:
 - Incoming Traffic Limit: 512 kbit/s
 - Incoming Traffic Burst: 0 KBytes
 - Outgoing Traffic Limit: 512 kbit/s
 - Outgoing Traffic Burst: 0 KBytes
- 802.11E QOS (WMM) SETTINGS**
 - QoS (WMM) Level: No QoS

At the bottom of the page, there is a "Change" button. A red text overlay on the right side of the page reads: "7-12-2014 PicoStation2 HP as setup on the back peak of Mark Shaws Home - 56 Kono Circle".

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The screenshot shows the web interface of a PicoStation2 HP device. The browser address bar shows the URL `http://192.168.1.22/ser`. The interface has a navigation menu with tabs: MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The current page is the 'SERVICES' configuration page, which includes the following sections:

- PING WATCHDOG**
 - Enable Ping Watchdog:
 - IP Address To Ping:
 - Ping Interval: seconds
 - Startup Delay: seconds
 - Failure Count To Reboot:
- SNMP AGENT**
 - Enable SNMP Agent:
 - SNMP Community:
 - Contact:
 - Location:
- NTP CLIENT**
 - Enable NTP Client:
 - NTP Server:
- WEB SERVER**
 - Use Secure Connection (HTTPS):
 - Secure Server Port:
 - Server Port:
 - Session Timeout: minutes
- TELNET SERVER**
 - Enable Telnet Server:
 - Server Port:

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The screenshot shows the web interface of a PicoStation2 HP device. The browser address bar shows the URL `http://192.168.1.22/sy/`. The page title is "UBNT: [PicoStation2...". The interface includes a navigation menu with tabs for MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The current page is the "SYSTEM" configuration page, which is divided into several sections:

- FIRMWARE**: Shows the current firmware version as "XS2.ar2316.v4.0.4974.110823.1727" and an "Upgrade..." button.
- HOST NAME**: The host name is set to "UBNT" with a "Change" button.
- ADMINISTRATIVE ACCOUNT**: The administrator username is "ubnt". There are fields for "Current Password", "New Password", and "Verify New Password", along with a "Change" button.
- READ-ONLY ACCOUNT**: There is a checkbox for "Enable Read-Only Account" (which is unchecked). Below it are fields for "Read-Only Username" and "Password" (masked with dots), and a "Change" button.
- DATE SETTINGS**: The time zone is set to "(GMT) Western Europe Time". There is a checkbox for "Enable Startup Date" (unchecked) and a "Startup Date" field with a calendar icon and a "Change" button.
- LOCATION**: There are fields for "Latitude" and "Longitude", and a "Change" button.

On the right side of the page, there is a red text overlay that reads: "7-12-2014 PicoStation2 HP as setup on the back peak of Mark Shaws Home - 56 Kono Circle".

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UBNT: [PicoStation2-HP] - Site Survey - Windows Internet Explorer

http://192.168.1.22/survey.cgi?mode=tool

Scanned channels: 1 2 3 4 5 6 7 8 9 10 11

MAC address	ESSID	Encryption	Signal, dBm	Noise, dBm	Frequency, GHz	Channel
00:0F:66:75:61:50	MarkShaw	-	-63	-95	2.437	6
00:15:6D:F0:FB:28	RonP	-	-84	-96	2.462	11
00:16:B6:B5:FC:83	Router-Tricia	WPA2	-88	-95	2.437	6
00:1C:10:CC:38:93	linksys	-	-80	-95	2.437	6
00:1D:7E:A0:A1:CE	linksys	-	-88	-95	2.437	6
00:23:69:AC:4D:4C	Borger	-	-91	-95	2.437	6
00:24:36:AD:32:C7	Kismet	WPA2	-89	-95	2.437	6
00:24:B2:07:29:0A	DOT&JACK	WEP	-85	-95	2.412	1
00:C0:CA:5F:7B:BA	Bonnie89 ML	-	-84	-95	2.412	1
1C:7E:E5:36:D5:9E	MARJ-HP Network	WPA2	-77	-95	2.412	1
54:E6:FC:C3:60:4C	TP-LINK_C3604C	WPA	-62	-95	2.442	7
58:6D:8F:04:6A:F0	goldtink	WPA	-83	-95	2.412	1

Scan Close this window

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Calculations

The link is obstructed by terrain.

Point-to-Point Profile
 Line of Sight Path
 First Fresnel Zone
 60% of First Fresnel Zone

27 m
 26 m
 25 m
 24 m
 23 m
 22 m
 21 m

0 m 50 m 100 m 150 m

LoS Distance: 0.19 km FZ Clearance: -1 m (-45%) FZ Max Radius: 2.4 m

Reconfigure Stations →

Imagery Date: 3/11/2011 28°49'58.88" N 81°46'37.37" W elev. 22 m eye alt. 225 m

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