

Ubiquiti Status

General | Support

Connection

Status: Connected  
Network: Dr\_Wireless  
Duration: 00:03:04  
Speed: 54.0 Mbps  
Signal Strength:

Activity

Sent — — Received

Packets: 1,151 | 113

Properties Disable View Wireless Networks

Close

Ubiquiti Properties

General | Wireless Networks | Advanced

Connect using:

Ubiquiti Networks SRC Wireless Networ Configure...

This connection uses the following items:

- QoS Packet Scheduler
- FLDP Packet Driver
- Internet Protocol (TCP/IP)

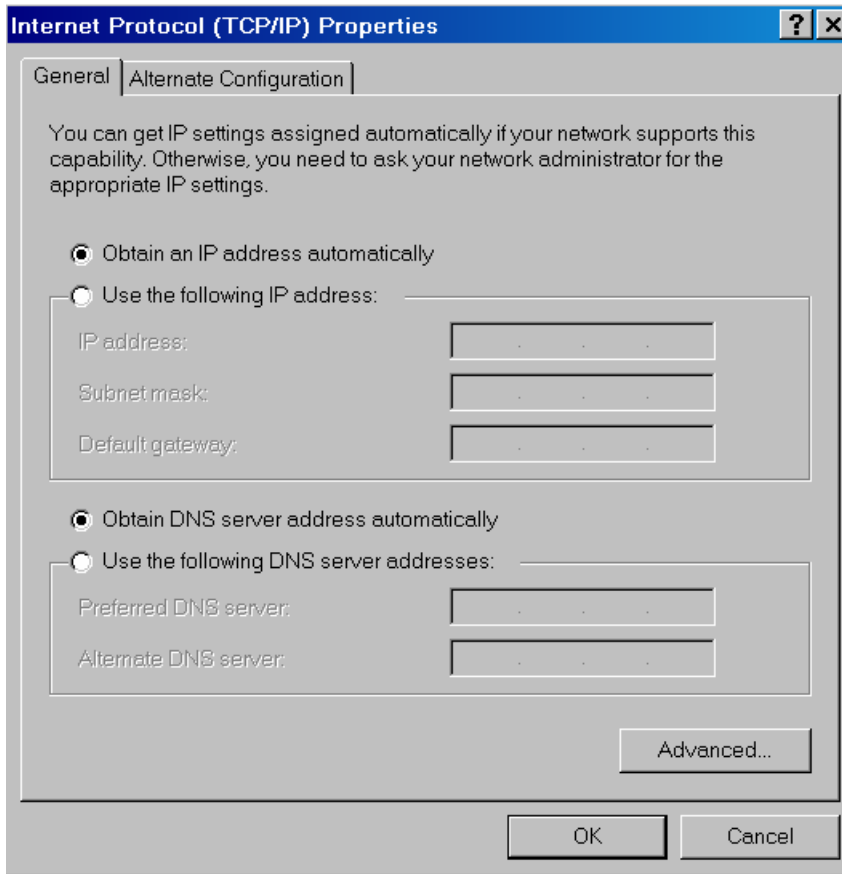
Install... Uninstall Properties

Description

Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

Show icon in notification area when connected  
 Notify me when this connection has limited or no connectivity


OK Cancel



Network Connections  
Ubiquity Status

General Support

Connection status

 Address Type: Assigned by DHCP

IP Address: 192.168.1.103

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

Details...

Windows did not detect problems with this connection. If you cannot connect, click Repair.

Repair

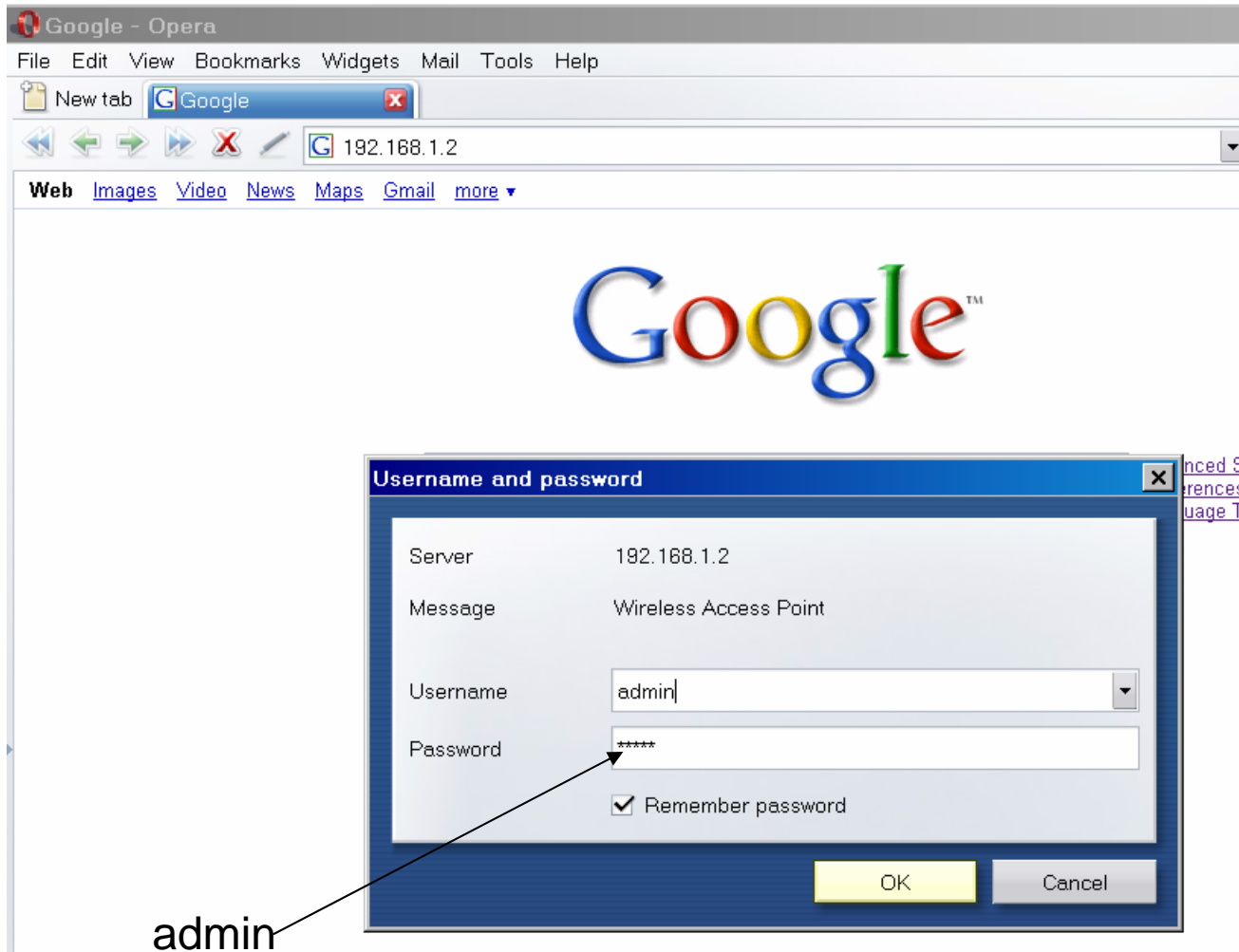
Close

Network Connection Details

Network Connection Details:

Property	Value
Physical Address	00-15-6D-53-F9-41
IP Address	192.168.1.103
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DHCP Server	192.168.1.1
Lease Obtained	8/14/2007 9:51:54 AM
Lease Expires	8/15/2007 9:51:54 AM
DNS Servers	66.174.92.14
	69.78.96.14
WINS Server	

Close



## Access Point Status

This page shows the current status and some basic settings of the device.

System	
Uptime	0day:1h:9m:4s
Firmware Version	v1.37
Wireless Configuration	
Mode	AP+WDS
Band	2.4 GHz (B+G)
SSID	Dr_Wireless
Channel Number	1
Encryption	Disabled(AP), Disabled(WDS)
BSSID	00:02:6f:44:8a:a9
Associated Clients	2
TCP/IP Configuration	
Attain IP Protocol	Fixed IP
IP Address	192.168.1.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DHCP	Disabled
MAC Address	00:02:6f:44:8a:a9

## Operation Mode

You can setup different modes to LAN and WLAN interface for NAT and bridging function.

- Bridge:** Client Bridge provides connectivity between two wired LAN segments, and is used in point-to-point or point-to-multipoint configurations.
- Bridge Router:** Client Router designed to connect a small number of wireless nodes to a single device for LAN and WLAN connectivity to another network.
- AP:** Access Point is probably the most common wireless LAN device with which you will work as a wireless LAN administrator. Access point provides clients with a point of access into a network.

Apply Change

Reset

## LAN Interface Setup

This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP address, subnet mask, DHCP, etc..

<b>IP Address:</b>	<input type="text" value="192.168.1.2"/>
<b>Subnet Mask:</b>	<input type="text" value="255.255.255.0"/>
<b>Default Gateway:</b>	<input type="text" value="192.168.1.1"/>
<b>DHCP:</b>	<input type="text" value="Disabled"/>
<b>DHCP Client Range:</b>	<input type="text" value="192.168.1.100"/> - <input type="text" value="192.168.1.200"/> <input type="button" value="Show Client"/>
<b>DNS Server:</b>	<input type="text"/>
<b>802.1d Spanning Tree:</b>	<input type="text" value="Disabled"/>

## SNMP Parameter Setup

This page is used to configure the parameters for simple network management protocol which connects to your Access Point. Here you may change the setting for SNMP demon , read-only and read-write community name, Trap demon, trap IP address, community,etc..

<b>Support WebAdmin Control:</b>	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
<b>Read-Only Community Name:</b>	<input type="text" value="public"/>
<b>Read-Write Community Name:</b>	<input type="text" value="private"/>
<b>Send SNMP Trap:</b>	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
<b>Send Trap To:</b>	IP address <input type="text" value="192.168.1.66"/> Community <input type="text" value="public"/>

## Wireless Basic Settings

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.

---

**Band:**

**SSID:**

**Channel:**

**Associated Clients:**

## Wireless Advanced Settings

These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.

---

**Authentication Type:**  Open System  Shared Key  Auto

**Fragment Threshold:**  (256-2346)

**RTS Threshold:**  (0-2347)

**Beacon Interval:**  (20-1024 ms)

**Data Rate:**

**Output Power Level:**

**Preamble Type:**  Long Preamble  Long & Short Preamble

**Broadcast SSID:**  Enabled  Disabled

**IAPP:**  Enabled  Disabled

**802.11g Protection:**  Enabled  Disabled

**User Isolation:**  Enabled  Disabled

## Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

### Encryption:

None

Set WEP Key

Use 802.1x

### Authentication

#### WPA Authentication Mode:

WEP 64bits  WEP 128bits

Enterprise (RADIUS)  Personal (Pre-Shared Key)

#### WPA Cipher Suite:

TKIP  AES

#### WPA2 Cipher Suite:

TKIP  AES

#### Pre-Shared Key Format:

Passphrase

#### Pre-Shared Key:

Enable Pre-Authentication

#### Authentication RADIUS Server:

Port 1812 IP address

Password

*Note: When encryption WEP is selected, you must set WEP key value.*

Apply Changes

Reset

## Wireless Access Control

If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

#### Wireless Access Control Mode:

Disable

#### MAC Address:

#### Comment:

Apply Changes

Reset

#### Current Access Control List:

MAC Address	Comment	Select
-------------	---------	--------

Delete Selected

Delete All

Reset

# WDS Settings

Wireless Distribution System uses wireless media to communicate with other APs, like the Ethernet does. To do this, you must set these APs in the same channel and set MAC address of other APs which you want to communicate with in the table and then enable the WDS.

---

Enable WDS

Add WDS AP:    MAC Address        Comment

Apply Changes

Reset

Set Security

Show Statistics

**Current WDS AP List:**

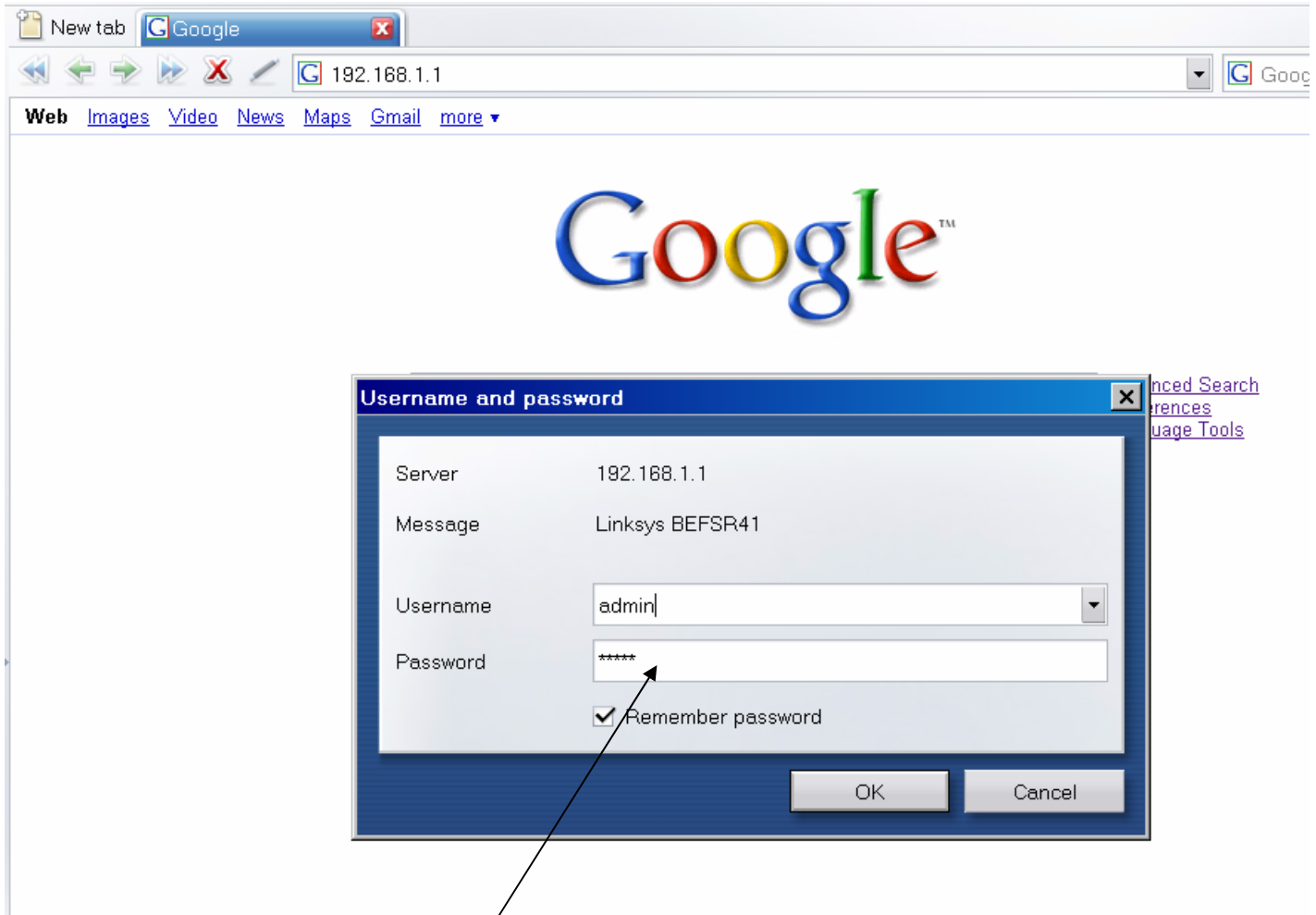
MAC Address	Comment	Select
-------------	---------	--------

Delete Selected

Delete All

Reset

# Router



admin

# Setup

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## Internet Setup

### Internet Connection Type

Obtain an IP automatically ▾

### Optional Settings (required by some ISPs)

Host Name:

Domain Name:

MTU:  Enable  Disable Size: 1500

## Network Setup

### Router IP

Local IP Address:  .  .  .

Subnet Mask:  .  .  .  ▾

### Network Address Server Settings (DHCP)

Local DHCP Server:  Enable  Disable

Start IP Address: 192.168.1.

Number of Address:

DHCP Address Range: 192.168.1.100 to 192.168.1.149

Client Lease Time:  minutes (0 means one day)

Static DNS 1:  .  .  .

Static DNS 2:  .  .  .

Static DNS 3:  .  .  .

WINS:  .  .  .

## Basic Setup

The Basic Setup screen is where basic configuration is performed. Some ISPs (Internet Service Providers) will require that you enter the DNS information. These settings can be obtained from your ISP. After you have configured these settings, you should set a router password from the *Administration > Management* screen.

Completing the **Internet Setup** section is all that is required to set up for your specific ISP. Please look at the table below to configure the Router for your Internet connection.

[More...](#)

**Setup**

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**DDNS**

DDNS Service:

**DDNS Service:**

DDNS allows you to access your network using domain names instead of IP address. The service manages changing IP address and updates your domain information dynamically. You must sign up for service through TZO.com or DynDNS.org

**More...**

Click [Here](#) to SIGNUP with a TZO FREE TRIAL ACCOUNT

Click [Here](#) to Manage your TZO Account

Click [Here](#) to purchase a TZO DDNS Subscription

[TZO DDNS Support/Tutorials](#)

Save Settings

Cancel Changes



## Setup

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### MAC Clone

MAC Clone  
Service:

Disable ▾

MAC Address:

00 - 00 - 00 - 00 - 00 - 00

Clone Your PC MAC

### MAC Address Clone

The Router's MAC address is a 12-digit code assigned for identification, like a social security number. Some ISPs require that you register a MAC address. Enter this MAC Address in the **MAC Address** field or press the **Clone** button, then click the **Save Settings** button. To use the **Clone** button, the computer viewing the Web-base utility screen will have the MAC address automatically entered in the **MAC Address** field. This "clones" your network adapter's MAC address onto the Router,

[More...](#)

Save Settings

Cancel Changes



# Setup

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Advanced Routing

## Advanced Routing

NAT

Enable  Disable

Dynamic Routing

Enable  Disable

Transmit RIP Version: RIP1

Receive RIP Version: RIP1

Static Routing

Select Entry: 1 ( )

Enter Route Name:

Destination IP Address: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Gateway: 0 . 0 . 0 . 0

Hop Count: 0

Interface: LAN

## Routing

NAT is Network Address Translation, which allows multiple computers to share one Internet connection. You can turn off NAT by selecting the **Disable** option. By default, NAT is set to **Enable**.

**The Dynamic Routing** feature can be used to automatically adjust to physical changes in the network's layout. The Router uses the dynamic RIP protocol. It determines the route that the network packets take based on the fewest number of hops between the source and the destination. The RIP protocol regularly broadcasts routing information to other routers on the network.

[More...](#)

**Security**

- Setup
  - Security**
  - Applications & Gaming
  - Administration
  - Status
- Filter
  - VPN**
  - Passthrough

**Filter IP Address Range**

NUM	Start	End
1:	192.168.1.0 ~ 0	0
2:	192.168.1.0 ~ 0	0
3:	192.168.1.0 ~ 0	0
4:	192.168.1.0 ~ 0	0
5:	192.168.1.0 ~ 0	0

**Filter Port Range**

NUM	Protocol	Start	End
1:	Both	0 ~ 0	0
2:	Both	0 ~ 0	0
3:	Both	0 ~ 0	0
4:	Both	0 ~ 0	0
5:	Both	0 ~ 0	0

**Filter MAC Address**

**Block WAN Requests**

- Block Anonymous Internet Requests:  Enabled  Disabled
- Filter Multicast:  Enabled  Disabled
- Filter Internet NAT Redirection:  Enabled  Disabled
- Filter IDENT(port 113):  Enabled  Disabled

[Edit MAC Filter Setting](#)

**Filters**

By using the Filters screen, you can configure the Router to block specific internal users from accessing the Internet. You can set up different filters for different users based on their IP addresses, MAC addresses, and their services port numbers.

To set **Filter IP Address Range**, do the following:

1. Enter the range of IP addresses that you want to filter into the IP address range fields. The users who have these IP addresses will not be able to access the Internet.
2. Click the **Save Settings** button to save any changes.

To set **Filter Port Range**, do the following:

1. You can filter users by entering their services port numbers.

# Security

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## VPN Passthrough

IPSec Passthrough:  **Enabled**  **Disabled**

PPPoE Passthrough:  **Enabled**  **Disabled**

PPTP Passthrough:  **Enabled**  **Disabled**

## IPSec Passthrough, PPTP Passthrough, PPPoE Passthrough

This Router supports IPSec, PPTP, and PPPoE Passthrough. You can select either **Enable** or **Disable** for these options.

Save Settings

Cancel Changes

# Status

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Router

Local Network

## Information

Firmware Version: **2.00.1, Sep 11 2006**  
MAC Address: **00-1A-70-F2-6A-D5**

## Status

Login Type: **DHCP**  
Internet IP Address: **75.209.98.215**  
Subnet Mask: **255.255.255.0**  
Default Gateway: **75.209.98.1**  
Static DNS1: **66.174.92.14**  
Static DNS2: **69.78.96.14**  
Static DNS3: **0.0.0.0**  
MTU: **1500**

DHCP Renew

DHCP Release

## Router Status

This screen provides the Router's current status information in a read-only format.

### Login Type

This field shows the Internet login status. When you choose PPPoE, RAS, PPTP, or HBS as the login method, you can click the **Connect** button to log in. If you click the **Disconnect** button, the Router will not dial up again until you click the **Connect** button.

If your connection is DHCP or Static IP, the Status screen will show you the Internet IP Address, Subnet mask,

[More...](#)

Refresh



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\WirelessMobiledata>ipconfig /flushdns_
```

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\WirelessMobiledata>ipconfig /flushdns

Windows IP Configuration

Successfully flushed the DNS Resolver Cache.

C:\Documents and Settings\WirelessMobiledata>ipconfig /renew

Windows IP Configuration

Ethernet adapter Ubiquity:

    Connection-specific DNS Suffix  . : local
    IP Address. . . . . : 192.168.1.103
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1
```

Turn off browser, repair

The image shows a screenshot of a Linksys web interface. The main page displays network status information, including firmware version (2.00.1), MAC address (00-1A-70-F2-6A-D5), and IP configuration (Internet IP: 75.209.98.215, Subnet Mask: 255.255.255.0, Default Gateway: 75.209.98.1, Static DNS1: 66.174.92.14, Static DNS2: 69.78.96.14, Static DNS3: 0.0.0.0, MTU: 1500). Below this information are buttons for 'DHCP Renew' and 'DHCP Release'. A 'Refresh' button is also visible at the bottom of the page.

Overlaid on the web interface is a 'Ubiquity Status' window with a 'General' tab. This window contains a 'Network Connection Details' dialog box. The dialog box displays the following network configuration:

Property	Value
Physical Address	00-15-6D-53-F9-41
IP Address	192.168.1.103
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DHCP Server	192.168.1.1
Lease Obtained	8/14/2007 10:10:12 AM
Lease Expires	8/15/2007 10:10:12 AM
DNS Servers	66.174.92.14 69.78.96.14
WINS Server	

An arrow points from the 'Static DNS2' field in the web interface to the 'DNS Servers' field in the network connection details dialog box. Another arrow points from the text 'Needs to agree.' at the bottom of the image to the 'DHCP Renew' button in the web interface.

Needs to agree.

C:\WINDOWS\system32\cmd.exe

```
Host Name . . . . . : Dell_Laptop
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : local
```

Ethernet adapter Ubiquity:

```
Connection-specific DNS Suffix . : local
Description . . . . . : Ubiquiti Networks SRC Wireless Network Adapter
Physical Address. . . . . : 00-15-6D-53-F9-41
Dhcp Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
IP Address. . . . . : 192.168.1.103
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
DHCP Server . . . . . : 192.168.1.1
DNS Servers . . . . . : 66.174.92.14
                        69.78.96.14
Lease Obtained. . . . . : Tuesday, August 14, 2007 10:10:12 AM
Lease Expires . . . . . : Wednesday, August 15, 2007 10:10:12 AM
```

AM

C:\Documents and Settings\WirelessMobiedata>

Direct ethernet to airlink. Start LAN, Start Wireless Ace

GROUPS	MODEM DATA			PRINTABLE VIEW
INFO	AT	Name	Value	
STATUS	*NETIP	Network IP	75.209.98.215	
COMMON	*NETSTATE	Network State	Network Ready	
???	*NETCHAN	Channel	1175	
	*NETRSSI	RSSI (dBm)	-92	
		Host Mode	AT	

## Dynamic IP

GROUPS	MODEM DATA				PRINTABLE VIEW
INFO	AT	Name	Value	New Value	
STATUS	*MODEMNAME	Modem Name	604dff65	<input type="text"/>	
COMMON	*DOMAIN	Domain	eairlink.com	<input type="text" value="eairlink.com"/>	
Misc	*IPMANAGER1	IP Manager Server 1 (IP Adrs)	edns2.eairlink.com	<input type="text" value="edns2.eairlink.com"/>	
Serial	*IPMGRUPDATE1	IPMServer1 Update (Minutes)	0	<input type="text"/>	
TCP	*IPMGRKEY1	IPMServer1 Key	*****	<input type="text"/>	
UDP	*IPMANAGER2	IP Manager Server 2 (IP Adrs)	eairlink.com	<input type="text" value="eairlink.com"/>	
DNS	*IPMGRUPDATE2	IPMServer2 Update (Minutes)	0	<input type="text"/>	
Dynamic IP	*IPMGRKEY2	IPMServer2 Key	*****	<input type="text"/>	
PPP/Ethernet					
PassThru					
SMTp					
Other					
Low Power					
Friends					
LOGGING					

Connect LAN,  
Disconnect 802.11  
Send via LAN t

**Connect to Modem**

UDP  
TCP  
SMS  
PPP  
Ethernet

Address: 75.209.98.215

Password: \*\*\*\*\*

OK Cancel

ip address

**Connect to Modem**

UDP  
TCP  
SMS  
PPP  
Ethernet

Address: 604dff65.eairlink.com

Password: \*\*\*\*\*

OK Cancel

esn.eairlink.com

takes a few minutes to initially resolve