

# AG-2000w+™ Quick Start

## Introduction

This document provides instructions and reference material for getting started with the Nomadix wireless Access Gateway (AG-2000w+™) product line. If you have any problems, please contact our technical support team at +1.818.575.2590, or email: support@nomadix.com.

The AG-2000w+™ can be configured by providing it a static IP address or enabling it to receive a DHCP IP address from a DHCP server. By default, the AG-2000w+™ is configured to obtain a DHCP IP address from a DHCP server.

## Requirement Checklist

You will need the following items to configure the AG-2000w+

- Laptop or PC
- Hub
- Three (3) Ethernet cables

## Start Here

1. Unpack the AG-2000w+ and place the product on a flat and stable work surface.
2. Setup a configuration network as shown in Figure 1 below.

*Note: The AG-2000w+ must be connected to a live network that can access the Internet or it will not be able to receive the License Key from Nomadix as explained in step 4 below.*

## AG-2000w/w+ Quick Start (cont'd)

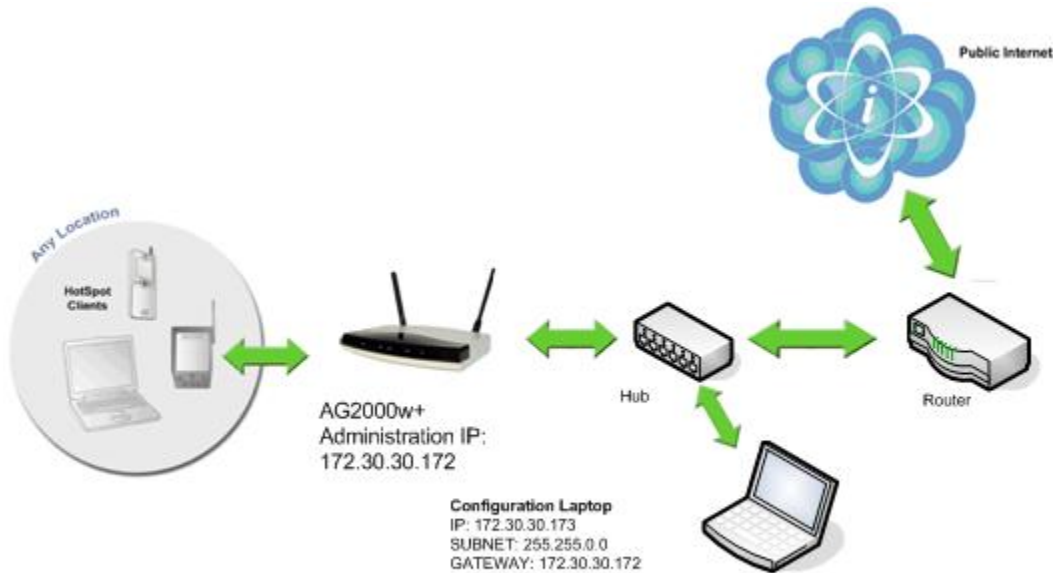


Figure 1: Configuration network set-up

3. Connect the power cord to turn on the AG-2000w+.
4. Configure the Laptop with the following parameters: IP: 172.30.30.173, Subnet: 255.255.0.0, Gateway: 172.30.30.172
5. Wait for the AG-2000w+ to finish initializing (which is when the power light stops blinking) and start a Telnet session to communicate with the AG-2000w+ using the default management IP address: 172.30.30.172

*Note: The AG-2000w+ may take up to 5 minutes to power up for the first time as it looks for DHCP server*

6. Log in to the Command Line interface:
 

*Note: The default for both the Username and Password is **admin**.*
7. Go to the “Configuration” section on the next page and configure the AG-2000w+ for your network.

## AG-2000w/w+ Quick Start (cont'd)

### Configuration

For AG-2000w+ with Static IP address, enter IP address and DNS information as shown in steps 1 and 2. In case of AG-2000w+ with DHCP, skip to step 3, since the AG-2000w+ has already received the IP and DNS settings from the DHCP server.

#### *Step 1: Entering your static IP Address Information*

IP Address	Your Settings	Examples
Network IP Address		100.100.100.2
Subnet Mask		255.255.255.0
Default Gateway		100.100.100.1

#### *Step 2: Entering your DNS Information*

DNS Parameter	Your Settings	Examples
Domain Name		nomadix.com
Host Name ( <i>no spaces</i> )		ag-2000w+
Primary DNS Server ( <i>mandatory</i> )		100.100.100.4
Secondary DNS Server ( <i>optional</i> )		0.0.0.0
Tertiary DNS Server ( <i>optional</i> )		0.0.0.0

You will be asked to reboot after you enter the DNS information. Please enter (y)es when prompted to reboot.

## AG-2000w/w+ Quick Start (cont'd)

### ***Sample Screen Responses***

#### *IP and DNS Parameters*

```

C:\WINNT\system32\telnet.exe
DO YOU WANT TO CONFIGURE THE AG'S IP AND DNS SETTINGS? [yes/no]: y
Enable/Disable DHCP Client      [disabled    ]:
Enter network interface IP      [192.168.1.10]: 10.0.0.10
Enter subnet mask               [255.255.255.0]: 255.255.255.0
Enter default gateway IP       [192.168.1.1  ]: 10.0.0.1

NOTE: If DHCP Client is enabled, only Host Name and Tertiary
      DNS Server could be entered.

Enter domain                    [nomadix.com  ]:
Enter host name (no spaces)    [ag-2000     ]:
Enter primary DNS              [0.0.0.0     ]: 198.6.1.1
Enter secondary DNS            [0.0.0.0     ]: 198.6.1.2
Enter tertiary DNS             [0.0.0.0     ]: 198.6.1.4

The system must be rebooted to function properly.
Reboot? [yes/no]: y

DHCP Client                    Disabled
Network interface IP          10.0.0.10
Subnet mask                   255.255.255.0
Default gateway IP            10.0.0.1
Domain                        nomadix.com
Host Name                     ag-2000
Primary DNS                   198.6.1.1
Secondary DNS                 198.6.1.2
Tertiary DNS                  198.6.1.4
Rebooting ...
  
```

### ***Step 3: Entering Your Location Information***

When the system powers up, you will be asked to input location information.

Location Information	Your Settings	Examples
Company Name ( <i>mandatory</i> )		Nomadix, Inc.
Site Name ( <i>mandatory</i> )		Headquarters
Address ( <i>2 lines</i> )		31355 Agoura Road
City ( <i>mandatory</i> )		Westlake Village
State ( <i>mandatory</i> )		California
Zip		91361
Country ( <i>mandatory</i> )		USA

## AG-2000w/w+ Quick Start (cont'd)

Email Address ( <i>mandatory</i> )		nomad@nomadix.com
Venue Type ( <i>mandatory</i> )		Corporate Guest Access

### ***Step 4: Retrieving Your License Key***

When the IP Addresses, DNS and Location information are configured, the system will prompt you to accept or decline the terms of the AG-2000w+ product End User License Agreement (EULA). You must accept the terms of the EULA before the AG-2000w+ can retrieve your License Key.

To retrieve your License Key, enter y[es] at the prompt.

The AG-2000W+ will retrieve License Key from the Nomadix License Key Server and will reboot.

### ***Step 5: Creating AG-2000w+ DHCP Server settings***

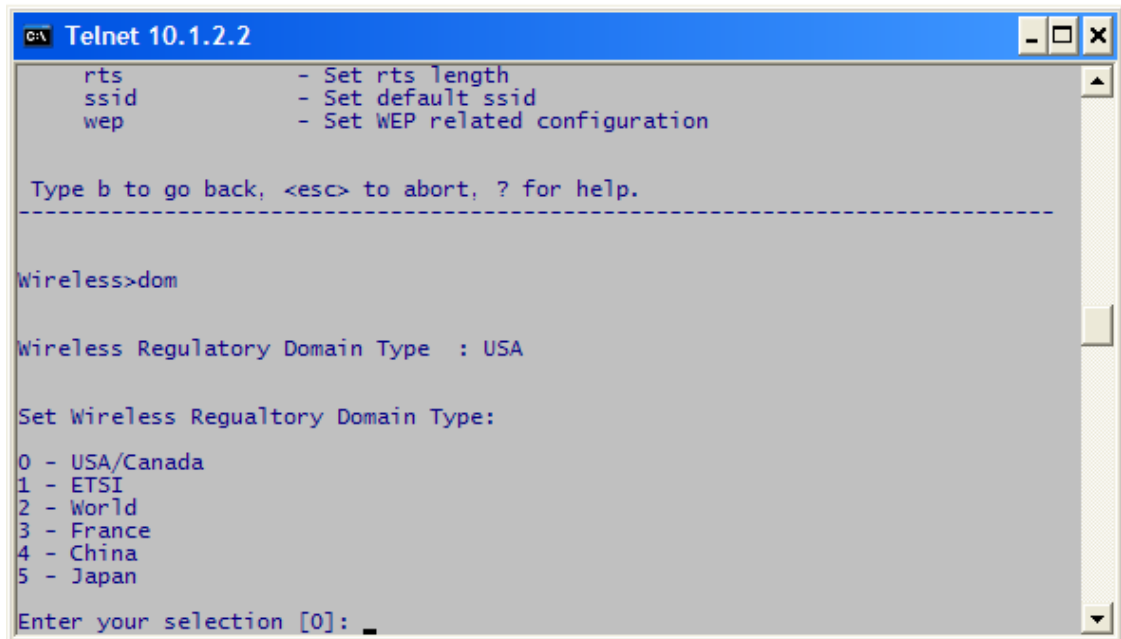
DHCP Server is enabled by default. To configure the DHCP Server, go DHCP under the Configuration menu. You can either modify the default DHCP pool or delete/add another DHCP pool.

DHCP Parameter	Your Settings	Examples
DHCP Services ( <i>Disable</i> )		no
DHCP Relay ( <i>Yes / No</i> ) <i>If No, skip to DHCP Server</i>		no
DHCP Relay Server IP Address		blank
DHCP Relay Agent IP Address		Blank
DHCP Server ( <i>Yes / No</i> ) <i>Only if the DHCP Relay is disabled</i>		yes
DHCP Server IP Address		10. 0. 0.4
DHCP Server Subnet Mask		255.255.255.0
DHCP Pool Start IP Address		10.0.0.12
DHCP Pool End IP Address		10.0.0.72
DHCP Lease Minutes		1440

### ***Step 6: Configuring the Regulatory Domain***

## AG-2000w/w+ Quick Start (cont'd)

Based on your country's radio frequency laws, set the wireless regulatory domain type to the appropriate setting. Telnet into the AG-2000w+ and go to System->Wireless->domain to change the default setting.



```
C:\> Telnet 10.1.2.2

  rts          - Set rts length
  ssid         - Set default ssid
  wep          - Set WEP related configuration

Type b to go back, <esc> to abort, ? for help.
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Wireless>dom

Wireless Regulatory Domain Type : USA

Set Wireless Regualtory Domain Type:
0 - USA/Canada
1 - ETSI
2 - World
3 - France
4 - China
5 - Japan

Enter your selection [0]: _
```

### ***Step 7: Additional configuration of the System using WMI***

You can log in to the AG-2000w+ and use the graphical Web Management Interface (WMI) ([http://ag\\_ip](http://ag_ip)) to configure the product's features.

You have now established a basic configuration for the AG-2000w+ that enables "Plug and Play" Internet connectivity.