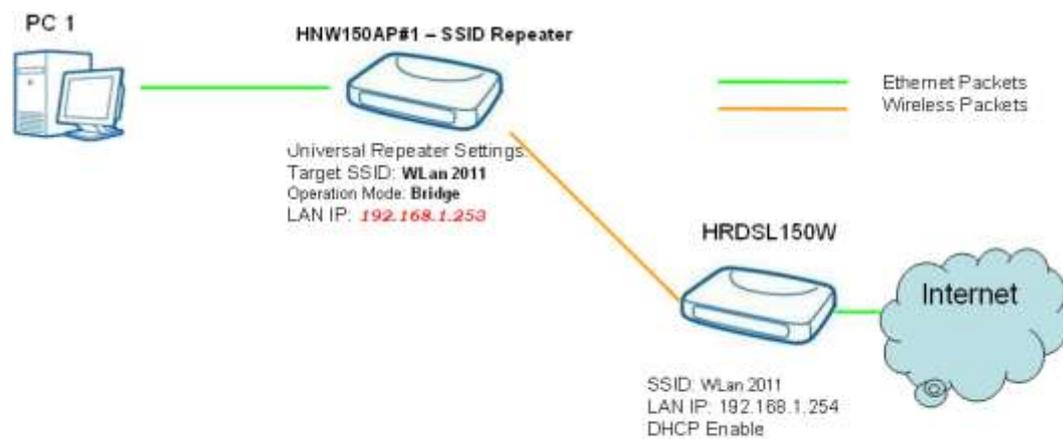# HNW150AP Universal Repeater Configuration with HRDSL150W


PC1, PC2, PC3 and WLAN client will get IP Address from DHCP Server

1   Wireless - Universal Repeater Setting

The Universal Repeater function is similar with WDS in that it is used to essentially enlarge the area of wireless network coverage. However, unlike WDS, Universal Repeater offers simplicity in configuration requirements, as users only need to configure the current AP as a client, and to connect it to the second AP's SSID (or BSSID). However, you need to ensure that the two APs are using the same security mode (and key) for Universal Repeater to work effectively.

1. Click *Operation Mode* menu.
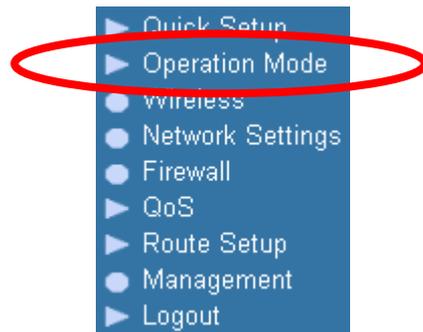
2. Click on *Bridge* ratio.
3. Click on *Apply Change* button.

Operation Mode

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

○ **Gateway:** In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client, L2TP client or static IP.

⊙ **Bridge:** In this mode, all ethernet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.

○ **Wireless ISP:** In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP access point. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You must set the wireless to client mode first and connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client, L2TP client or static IP.
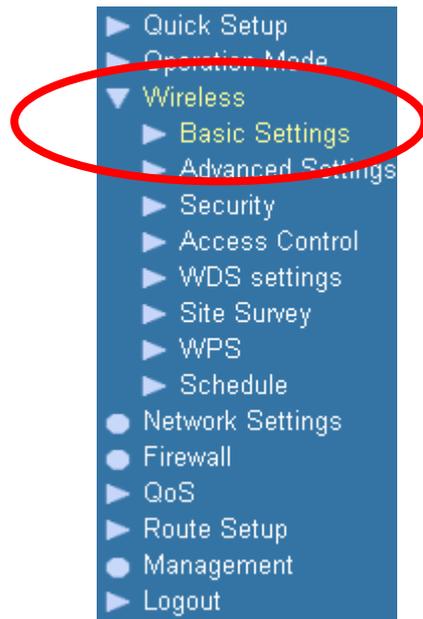
[Apply Change]   [Reset]

4. Please wait 25 seconds ...

Change setting successfully!

Do not turn off or reboot the Device during this time.

Please wait 19 seconds ...

5. Click *Wireless -> Basic Settings* menu.

6. From *Mode* drop-down list, select *Client*.
7. Enter the *Target SSID*.
8. Check on the check box of *Enable Universal Repeater Mode (Acting as AP and client simultaneouly)*.
9. Enter the *SSID of Extended Interface.*
10. Click on *Apply Changes* button.

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.

☐ **Disable Wireless LAN Interface**

Band: 2.4 GHz (B+G+N)

Mode: Client ⬤ Multiple AP

Network Type: Infrastructure

SSID: WLan 2011

Channel Width: 40MHz

Control Sideband: Upper

Channel Number: 11

Broadcast SSID: Enabled

WMM: Enabled

Data Rate: Auto

Associated Clients: Show Active Clients

☐ Enable Mac Clone (Single Ethernet Client)

☑ **Enable Universal Repeater Mode (Acting as AP and client simultaneouly)**

SSID of Extended Interface:
Repeater
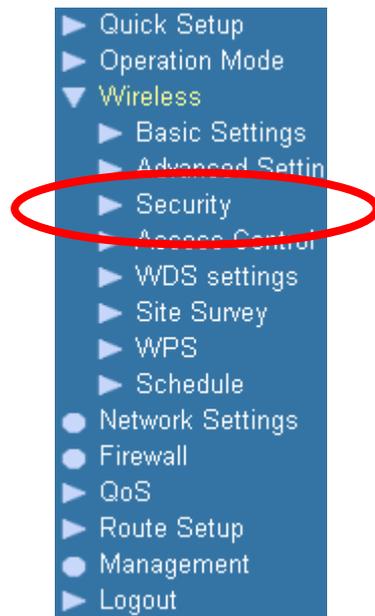
[Apply Changes] [Reset]

11. Click on *Reboot Later* button.

Change setting successfully!

Your changes have been saved. The router must be rebooted for the changes to take effect.
You can reboot now, or you can continue to make other changes and reboot later.

[Reboot Now] [Reboot Later]

12. Click *Wireless* -> *Security* menu.

13. From *Encryption* drop-down list, select *WPA2*.

14. Check on proper *WPA2 Cipher Suite*.
15. From *Pre-Shared Key Format* drop-down list, select a proper *Pre-Shared Key Format*.
16. Enter *Pre-Shared Key*.
17. Click on *Apply Changes* button.

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.

Select SSID: Root Client - WLan 2011 ▾   [Apply Changes]
[Reset]

Encryption: WPA2 ▾

Authentication Mode: ○ Enterprise (RADIUS) ◉ Personal (Pre-Shared Key)

WPA2 Cipher Suite: ☑ TKIP   ☐ AES

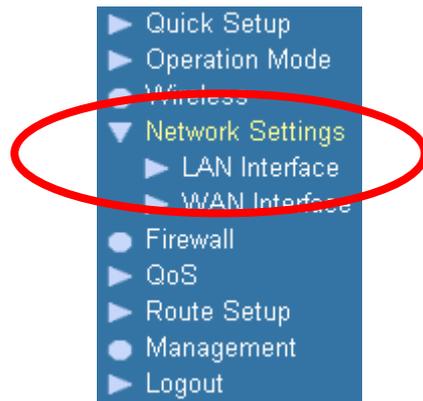Pre-Shared Key Format: Passphrase ▾

Pre-Shared Key: ••••••••

18. Click on *Reboot Later* button.

Change setting successfully!

Your changes have been saved. The router must be rebooted for the changes to take effect.
You can reboot now, or you can continue to make other changes and reboot later.

[Reboot Now] [Reboot Later]

19. Click *Network Settings -> LAN Interface* menu.

20. Change the IP Address to *192.168.2.1*.
21. From *DHCP* drop-down list, select *Disabled*.
22. Click on *Apply Changes* button.

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..

IP Address:	192.168.1.253
Subnet Mask:	255.255.255.0
Default Gateway:	0.0.0.0
DHCP:	Disabled ▾
DHCP Client Range:	192.168.1.100 − 192.168.1.200 Show Client
Static DHCP:	Set Static DHCP
Domain Name:	HNW150AP
802.1d Spanning Tree:	Disabled ▾
Clone MAC Address:	000000000000

Apply Changes   Reset

23. Please wait 20 seconds ...

Change setting successfully!

Do not turn off or reboot the Device during this time.

Please wait 19 seconds ...