

Universal Repeater setup for Jensen Scandinavia

Air: Link 89300/59300/29150

Our Universal Repeater feature allows you to extend the range of your existing wireless network. Your Air:Link 89300/59300 or 29150 router will connect to your already existing wireless network and extend its wireless range.

In this example we show how to set up an Air: Link router as an Universal Repeater to extend an existing wireless network. The existing wireless network use the following settings:

Network name (SSID) : AirLink89300

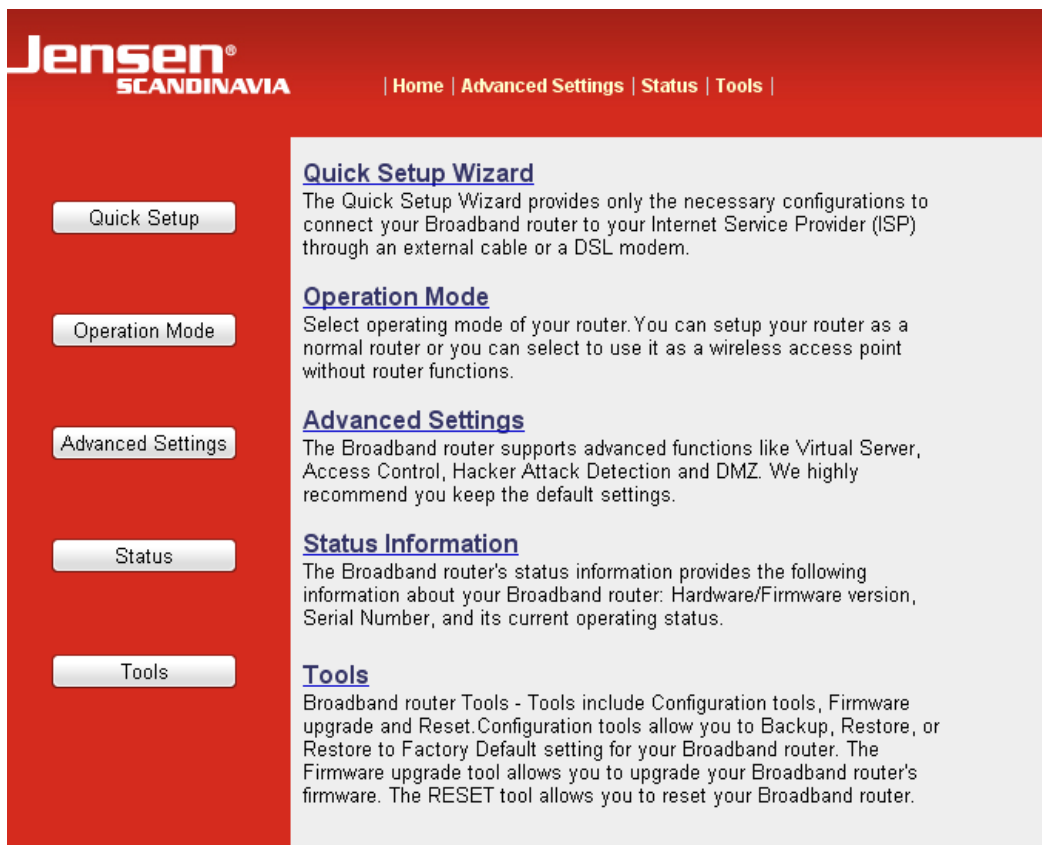
Encryption key : 123456789

Encryption type : WPA2-AES (Pre-shared key)

To set up your Air: Link router as an Universal Repeater follow the below steps:

** STEP 1 **

1. Log on to your Air:Link routers GUI (<http://192.168.0.1>)
 - a. Username = admin
 - b. Password = 1234



The screenshot shows the Jensen Scandinavia router's web interface. The top navigation bar includes links for Home, Advanced Settings, Status, and Tools. On the left, a vertical menu contains buttons for Quick Setup, Operation Mode, Advanced Settings, Status, and Tools. The main content area on the right provides detailed descriptions for each of these sections:

- Quick Setup Wizard**: The Quick Setup Wizard provides only the necessary configurations to connect your Broadband router to your Internet Service Provider (ISP) through an external cable or a DSL modem.
- Operation Mode**: Select operating mode of your router. You can setup your router as a normal router or you can select to use it as a wireless access point without router functions.
- Advanced Settings**: The Broadband router supports advanced functions like Virtual Server, Access Control, Hacker Attack Detection and DMZ. We highly recommend you keep the default settings.
- Status Information**: The Broadband router's status information provides the following information about your Broadband router: Hardware/Firmware version, Serial Number, and its current operating status.
- Tools**: Broadband router Tools - Tools include Configuration tools, Firmware upgrade and Reset. Configuration tools allow you to Backup, Restore, or Restore to Factory Default setting for your Broadband router. The Firmware upgrade tool allows you to upgrade your Broadband router's firmware. The RESET tool allows you to reset your Broadband router.

Click **Advanced Settings / General settings -> Wireless -> Basic Settings** in the left hand menu.

Mode:	Universal Repeater
Band:	2.4 GHz (B+G+N)
ESSID:	AirLink89300
Channel Number:	1
Associated Clients:	Show Active Clients
Root AP SSID:	AirLink89300
Site Survey	Select Site Survey

Chose **Mode = Universal Repeater**

In the ESSID field, type the name of the existing network to be repeated from your Air: Link router which shall act as an Universal Repeater.

In our example the ESSID is:

AirLink89300

In **Root AP SSID** field you can either enter the name of the existing network or, if you click **Select Site Survey**, you will be able to choose the desired network name from the site survey list.

In our example the Root AP SSID must be:

AirLink89300

NB! You can also press Select Site Survey and select the network from the list that appears.

Click **Apply** and thereafter **Continue**.

You have finished STEP 1. Proceed with STEP 2.

**** STEP 2 ****

Click **Wireless** -> **Security Settings** in the left hand menu.

Encryption :	WPA pre-shared key
WPA Unicast Cipher Suite :	<input type="radio"/> WPA(TKIP) <input checked="" type="radio"/> WPA2(AES) <input type="radio"/> WPA2 Mixed
Pre-shared Key Format :	Passphrase
Pre-shared Key :	123456789

You need to configure the wireless security with exactly the same settings as used for your existing wireless network.

In our example the settings are:

Encryption = WPA pre-shared key

WPA Unicast Cipher Suite = WPA2 (AES)

Pre-shared key format = Passphrase

Pre-shared key = 123456789

Click **Apply** and thereafter **Continue**.

You have finished STEP 2. Proceed with STEP 3.

**** STEP 3 ****

Click **Advanced Settings** -> **LAN** in the left hand menu.

Set **DHCP Server** to **Disabled**.

• LAN IP	
IP address	192.168.0.1
Subnet Mask	255.255.255.0
802.1d Spanning Tree	Disabled
DHCP Server	Disabled
• DHCP Server	
Lease Time	Forever
Start IP	192.168.0.100
End IP	192.168.0.200
Domain Name	

Click **Apply** and **Apply** again to save the settings you made during STEP 1, STEP 2 and STEP 3.

Your Air: Link router is set up as Universal Repeater.

The PC/Laptop which are connected to your wireless network will automatically use the station providing the best wireless signal.

If you can't access the Internet reboot your PC/Laptop and reconnect to your wireless network.