

Installation guide for Air:Link 89300 LongRange Extreme-N

Internet Setup

This guide will help you setup your Internet connection. The setup should take around 5 minutes.

- Check that you have a wired or wireless network card installed and activated in your PC.
- Connect the poweradapter to the **PWR** port and the ADSL modem / cablemodem to the **WAN** port of the router.
- If you use wired network you need to connect a network cable from the network card in your PC to one of the 4 **LAN** ports in the router.



- Check the front of the router that the LED's are lit correctly :
 - **PWR** should be on to indicate the router is switched on and is powered correctly.
 - **WLAN** should be on to indicate the WLAN is enabled, and will flash when there is wireless traffic.
 - **LNK/ACT** on WAN should be on to indicate the modem is connected correctly to the WAN port, and will flash when there is traffic. The 10/100M LED will show if the connection use 10 or 100Mbps.
 - **LNK/ACT** on LAN 1-4 should be on when a network device (i.e. a PC) is connected to the named port, and will flash when there is traffic. The 10/100M LED will show if the connection use 10 or 100Mbps.

When using a wireless network card/adaptor you must now connect to the wireless network in the router. How this is done may vary depending on what type of wireless network card/adaptor and Windows version you use.

Below you can find a list of different connections to make it easy to connect to the router. If you have a different wireless network card/adaptor or Windows version you must see the user manual for your card/adaptor for details on how to connect to a wireless network. The name of the network you must connect to is **AirLink89300**.

Windows Vista

- [Connect using Jensen Air:Link 80300, 83300 or 85300](#)
- [Connect using a built-in wireless card and using Windows WLAN Utility](#)

Windows XP

- [Connect using Jensen Air:Link 80300, 83300 or 85300](#)
- [Connect using a built-in wireless card and using Windows WLAN Utility \(Servicepack 1\)](#)
- [Connect using a built-in wireless card and using Windows WLAN Utility \(Servicepack 2\)](#)

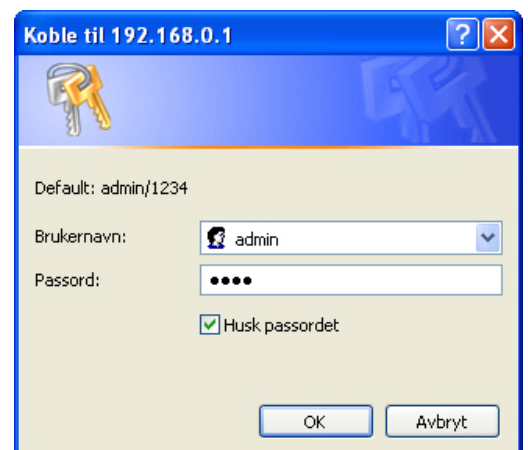
Windows 2000

- [Connect using Jensen Air:Link 80300, 83300 or 85300](#)

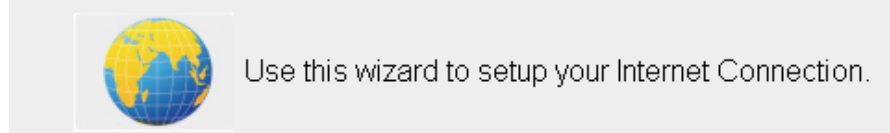
When you have connected your PC with wired or wireless network card/adaptor you can access the routers built-in menu to configure the Internet setup.

- [Click here to login to the router menu](#), or open your default Internet browser (normally Internet Explorer), type in the address <http://192.168.0.1> in the address field and press **Enter** on the keyboard to start the login. You should see a login box like in the picture to the right.

- Type in "**admin**" as username and "**1234**" as password and click **OK** to login to the router menu.



- Click on the menu option "Quick Setup" in the menu on the left side, you should see this picture :



- Click "Use this wizard to setup your internet connection"



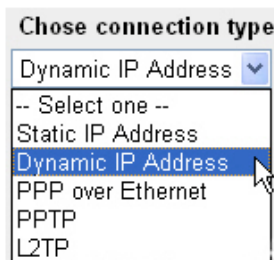
Click here if you want to use AL89300 as a normal router.
The firewall/NAT functions are turned on.
This is the most common way to set up a router.



Select this if you want to use AL89300 as a wireless network transmitter/Access point.
In this case, the DHCP server function and firewall/NAT will be turned off.
Both the WAN and LAN ports will act as local network ports/switch.

NB: This set up may result in you losing access to the router menu, because the computer(s) are allocated addresses directly from the Internet modem/router and not from AL89300.

- Select the router function you want to use.



- Dynamic IP xDSL

Recommended selection for most Internet providers, including Telenor ADSL. Most cable modem providers also use this setup.

PS: If you have Telenor ADSL and your ADSL modem is older then july 2004 you should use PPPoE setup below.

- PPPoE xDSL

Use this setup if your Internet provider assign a username and password and you connect the router to a normal bridge modem (without router functions).

- Select Connection type.

The Internet setup is depending on which Internet provider you use. Select your type of connection from the list below to continue the setup. If you do not know what type of connection your Internet provider use, contact your Internet service provider.

Dynamic IP

Recommended selection for most Internet providers, including Telenor ADSL. Most cablemodem providers also use this setup.

PS: If you have Telenor ADSL and your ADSL modem is older then july 2004 you should use PPPoE setup below.

Host Name :	<input type="text"/>
MAC address :	<input type="text" value="000000000000"/>
<input type="button" value="Clone Mac address"/>	

- Most Internet providers do not require setting Host Name and MAC address, so leave the settings unchanged as shown on the picture above.

- Click "Apply" to save the settings and "Apply" again to restart the router with the new settings. Wait 1 minute and check that your Internet connection is working.

PPPoE

Use this setup if your Internet provider assign a username and password and you connect the router to a normal bridgemodem (without router functions).

User Name :	<input type="text" value="username@online.no"/>
Password :	<input type="password" value="••••••••"/>
Service Name :	<input type="text" value="ADSL"/>
MTU :	<input type="text" value="1492"/> (512<=MTU Value<=1492)
Connection Type :	<input type="button" value="Continuous"/> <input type="button" value="Connect"/> <input type="button" value="Disconnect"/>
Idle Time Out :	<input type="text" value="10"/> (1-1000minutes)

- Enter your Internet username and password in the fields "User Name" and "Password". Remember to use @online.no in the username when using Telenor ADSL.
- Enter a name for the connection in the field "Service Name", for instance "ADSL".
- The MTU size determines how big datapackets the router will allow. This may affect certain datatypes like VPN. We recommend to set MTU to 1492.
- Set "Connection Type" to "Continuous" to keep your Internet connection connected all the time.
- Click "Apply" to save the settings and "Apply" again to restart the router with the new settings. Wait 1 minute and check that your Internet connection is working. The Internet Setup is now completed!

Wireless Security

Wireless Security is recommended to prevent unwanted users from accessing your wireless network. Choose the desired connection type from the list below to see how you configure the selected Wireless Security method.

Activate wireless security

If you want an easy way to protect your wireless network, please follow this guide.

Manual Connection

WEP Encryption

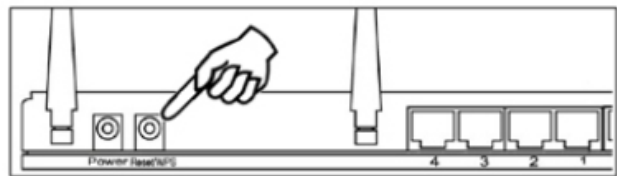
Recommended for older wireless cards/adapters or Windows versions that do not support WPA or WPA2.

WPA / WPA2 Kryptering

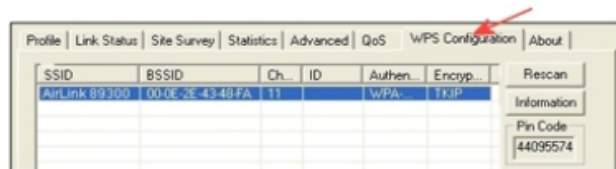
Recommended security method for your wireless network. Make sure your wireless network card and/or your Windows version can support this feature before activating it.

Activating Wireless Security

Hold RESET/WPS in for 2 seconds, as shown on the right. The router will now activate encryption.



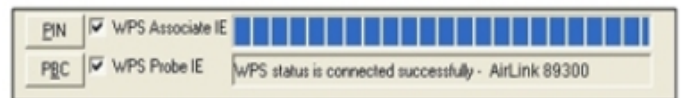
Open your wireless network card/adaptor software. Select the menu "WPS Configuration". (the examples on the right apply to the Air:Link 8x300 series)



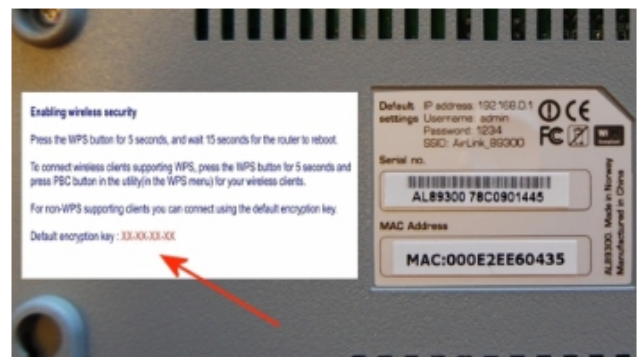
You will now see a list of available networks that support WPS. Select your router (the default name is AirLink89300) from the list and click on the button "PBC".



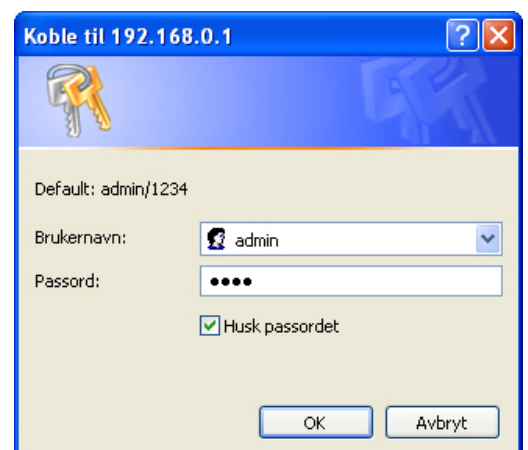
You should now be connected to the router with encryption. If you want to connect to multiple PCs, follow the same procedure again.



For connection of PCs that do not support WPS:
The encryption key you must use when connecting the router is printed on the bottom of the router. (see the photograph on the right)



Wireless Security - WEP Encryption



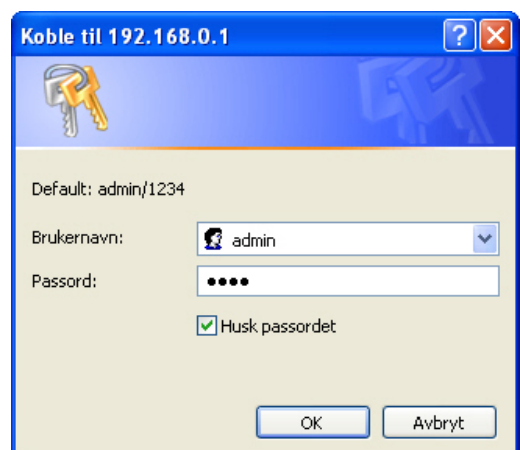
- [Click here to login to the router menu](#), or open your default Internet browser (normally Internet Explorer), type in the address <http://192.168.0.1> in the address field and press **Enter** on the keyboard to start the login. You should see a login box like in the picture to the right.
- Type in "**admin**" as username and "**1234**" as password and click **OK** to login to the router menu.
- Click on the menu option "**General Setup**" in the menu on the left side, then click on "**Wireless**" and "**Security Settings**".

Encryption :	WEP
Key Length :	128-bit
Key Format :	ASCII (13 characters)
Default Tx Key :	Key 1
Encryption Key 1 :	abcdefg123456

- Choose "**WEP**" in the field "**Encryption**".
- Set "**Key Length**" to "**128-bit**" for highest security, and set "**Key Format**" to "**ASCII**" for easiest configuration.
- Set "**Default TX Key**" to "**Key 1**".
- Enter the encryption key in the field "**Encryption Key 1**", 13 digits long. You can combine the letters A-Z and numbers 0-9, space is not allowed. Example : "abcdefg123456". Remember to write down this password.
- Click "**Apply**" to save the settings, and "**Apply**" again to restart the router with the new settings. You will now loose connection to the router, wait 1 minute for the router to reboot, then reconnect your wireless card to the network. Remember to input the WEP key in your WLAN Utility. See the user manual for your wireless card/adapter for details how to do this.

Wireless Security - WPA / WPA2 Encryption

- [Click here to login to the router menu](#), or open your default Internet browser (normally Internet Explorer), type in the address <http://192.168.0.1> in the address field and press **Enter**



Koble til 192.168.0.1

Default: admin/1234

Brukernavn: admin

Passord:

Husk passordet

OK Avbryt

on the keyboard to start the login. You should see a login box like in the picture to the right.

- Type in "admin" as username and "1234" as password and click **OK** to login to the router menu.
- Click on the menu option "General Setup" in the menu on the left side, then click on "Wireless" and "Security Settings".

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

- Choose "WPA pre-shared key" in the field "Encryption".
- Select the desired WPA type in the field "WPA Unicast Cipher Suite". If your wireless card/adapter support WPA2 we recommend you use "WPA2 Mixed".
- Choose "Passphrase" in the field "Pre-shared Key Format".
- Enter the encryption key in the field "Pre-shared Key", 8 to 64 digits long. You can write whatever key you want, space is allowed. Example : "your password"
- Click "Apply" to save the settings, and "Apply" again to restart the router with the new settings. You will now loose connection to the router, wait 1 minute for the router to reboot, then reconnect your wireless card to the network. Remember to input the WPA key in your WLAN Utility. See the user manual for your wireless card/adapter for details how to do this.