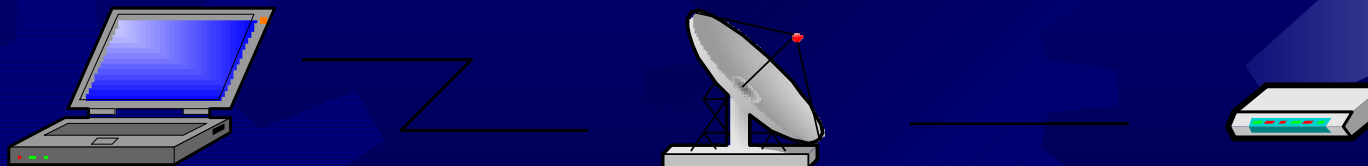


# Trådløst netværk Forbindelse

Fast forbindelse med netværkskabel



Trådløs forbindelse



# Trådløst netværk

## Udstyr



# Trådløst netværk

## Praktisk øvelse



### Sikring af det trådløse netværk

- Brug WPA kryptering
- Skift standard password
- Skift SSID
- Slå broadcast fra
- Filtrering på MAC-adresser

# Trådløst netværk

## Skab kontakt til router

Setup Home - Microsoft Internet Explorer

Adresse <http://192.168.2.1/>

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Login | Internet Status: **No Connection**

**LAN Setup**

- LAN Settings
- DHCP Client List
- Internet WAN**
- Connection Type
- DNS
- MAC Address
- Wireless**
- Channel and SSID
- Security
- Use as Access Point
- Wireless Bridge
- Firewall**
- Virtual Servers
- Client IP Filters
- MAC Address Filtering
- DMZ
- WAN Ping Blocking
- Security Log
- Utilities**
- Parental Control
- Restart Router
- Restore Factory Default
- Save/Backup Settings
- Restore Previous Settings
- Firmware Update

**Status**

You will need to log in before you can change any settings.

Version Info	
Firmware Version	4.05.03
Boot Version	2.01.09
Hardware	F5D7231-4
Serial No.	BEL1Y2MS

LAN Settings	
LAN/WLAN MAC	00:11:50:59:90:88 / 00:11:50:59:90:89
IP address	192.168.2.1
Subnet mask	255.255.255.0
DHCP Server	Enabled

Internet Settings	
WAN MAC address	00:11:50:59:90:88
Connection Type	Dynamic
Subnet mask	
Wan IP	
Default gateway	
DNS Address	

Features	
NAT	Enabled
Firewall Settings	Enabled
SSID	belkin54g
Security	Disabled

Udført

Internetnet

# Trådløst netværk Login

**Microsoft Internet Explorer**  
Login - Microsoft Internet Explorer

Filer Rediger Vis Foretrykne Funktioner Hjælp

Tilbage [Navigation icons]

Adresse [http://192.168.2.1/lan\\_settings.html](http://192.168.2.1/lan_settings.html)

Google [Search icons]

Bookmarks 1 blocked Check AutoLink AutoFill Send to Settings

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Login | Internet Status: **No Connection**

**LAN Setup**

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- Restart Router
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- Save/Backup Settings
- Restore Previous Settings
- Firmware Update

## Login

Before you can change any settings, you need to log in with a password. If you have not yet set a custom password, then leave this field blank and click "Submit."

**Password**

Default = leave blank

Internet



# Trådløst netværk

## DNS

The screenshot shows a Microsoft Internet Explorer browser window displaying the 'WAN > DNS' configuration page of a Belkin Cable/DSL Gateway Router Setup Utility. The browser's address bar shows the URL 'http://192.168.2.1/wan\_dns.html'. The page title is 'WAN > DNS'. The left sidebar contains a navigation menu with categories: LAN Setup, Internet WAN (highlighted), Firewall, and Utilities. The main content area explains that if an ISP provides a specific DNS address, it should be entered in the provided fields. The 'Automatic from ISP' checkbox is checked. There are two rows of four input boxes each for 'DNS Address >' and 'Secondary DNS Address >'. Below the input fields, there is a brief explanation of DNS and a link for 'More Info'. At the bottom of the main area, there are two buttons: 'Clear Changes' and 'Apply Changes'. The top right of the page shows 'Home | Help | Logout' and 'Internet Status: No Connection'. The bottom right of the browser window shows the 'Internettet' icon.

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: **No Connection**

### WAN > DNS

If your ISP provided you with a specific DNS address to use, enter the address in this window and click "Apply Changes".

**Automatic from ISP**

**DNS Address >**      .  .  .

**Secondary DNS Address >**      .  .  .

DNS = Domain Name Server. A server located on the Internet that translates URL's (Universal Resource Links) like [www.belkin.com](http://www.belkin.com) to IP addresses. [More Info](#)

# Trådløst netværk

## LAN settings

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: **No Connection**

### LAN Setup

- LAN Settings
- DHCP Client List
- Internet WAN
- Connection Type
- DNS
- MAC Address
- Wireless
- Channel and SSID
- Security
- Use as Access Point
- Wireless Bridge
- Firewall
- Virtual Servers
- Client IP Filters
- MAC Address Filtering
- DMZ
- WAN Ping Blocking
- Security Log
- Utilities
- Parental Control
- Restart Router
- Restore Factory Default
- Save/Backup Settings
- Restore Previous Settings
- Firmware Update

### LAN > LAN settings

You can make changes to the Local Area Network (LAN) here. For changes to take effect, you must press the "Apply Changes" button at the bottom of the screen.

**IP Address >**

**More Info**

**Subnet Mask >**

**More Info**

**DHCP server >**  On  Off

The DHCP server function makes setting up a network very easy by assigning IP addresses to each computer on the network. It is not necessary to make any changes here. [More Info](#)

**IP Pool Starting Address >**

**IP Pool Ending Address >**

**Lease Time >** Forever

The length of time the DHCP server will reserve the IP address for each computer.

**Local Domain Name >**

(Optional)

A feature that lets you assign a name to your network. [More Info](#)

Udført | Internettet

# Trådløst netværk

## DHCP Client List

LAN > DHCP - Microsoft Internet Explorer

Adresse [http://192.168.2.1/lan\\_dhcp.html](http://192.168.2.1/lan_dhcp.html)

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: **No Connection**

**LAN Setup**

- LAN Settings
- DHCP Client List**
- Internet WAN
- Connection Type
- DNS
- MAC Address
- Wireless
- Channel and SSID
- Security
- Use as Access Point
- Wireless Bridge
- Firewall
- Virtual Servers
- Client IP Filters
- MAC Address Filtering
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- Security Log
- Utilities
- Parental Control
- Restart Router
- Restore Factory Default
- Save/Backup Settings
- Restore Previous Settings
- Firmware Update

### LAN > DHCP Client List

This page shows you the IP address, Host Name and MAC address of each computer that is connected to your network. If the computer does not have a host name specified, then the Host Name field will be blank. Pressing "Refresh" will update the list.

IP Address	Host Name	MAC Address
192.168.2.2	pc10	00:03:47:a5:cb:65
192.168.2.3	gde-tp02	00:11:50:5b:69:16

[Refresh](#)

Internet



# Trådløst netværk Channel and SSID

The screenshot shows a web browser window displaying the Belkin Cable/DSL Gateway Router Setup Utility. The browser's address bar shows the URL `http://192.168.2.1/wireless_chan.html`. The page title is "Wireless > Channel and SSID".

The interface includes a navigation menu on the left with the following items: LAN Setup, LAN Settings, DHCP Client List, Internet WAN, Connection Type, DNS, MAC Address, **Wireless**, Channel and SSID, Security, Use as Access Point, Wireless Bridge, Firewall, Virtual Servers, Client IP Filters, MAC Address Filtering, DMZ, WAN Ping Blocking, Security Log, Utilities, Parental Control, Restart Router, Restore Factory Default, Save/Backup Settings, Restore Previous Settings, and Firmware Update.

The main content area is titled "Wireless > Channel and SSID" and contains the following settings:

- Wireless Channel >**: 11
- SSID >**: belkin54g
- Wireless Mode >**: 54G-Auto
- Broadcast SSID >**:  More Info
- Protected Mode >**: On More Info
- Turbo Mode >**: 125 High-Speed mode Turbo mode incorporates wireless network speed enhancements. More Info

At the bottom of the settings area, there are two buttons: "Clear Changes" and "Apply Changes".

The top right of the page shows "Home | Help | Logout" and "Internet Status: No Connection".

# Trådløst netværk Security 1

Wireless > Security - Microsoft Internet Explorer

Adresse [http://192.168.2.1/wireless\\_encrypt.html](http://192.168.2.1/wireless_encrypt.html)

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: **No Connection**

**Wireless > Security**

**Security Mode** Disabled

You can configure wireless security/encryption settings here. Security should be enabled to assure maximum wireless security. WPA (Wireless Protected Access) provides dynamic key changes and constitutes the best security solution. In wireless environments, where not all devices support WPA, WEP (Wired Equivalent Privacy) should be used. [More Info](#)

[Apply Changes](#)

Internet

# Trådløst netværk Security 2

The screenshot shows a Microsoft Internet Explorer browser window displaying the configuration page for a Belkin Cable/DSL Gateway Router. The browser's address bar shows the URL `http://192.168.2.1/wireless_wpa_psk.html`. The page title is "Wireless > Security - Microsoft Internet Explorer".

The router's configuration interface is visible, featuring a navigation menu on the left and a main content area. The navigation menu includes sections for LAN Setup, Internet WAN, Wireless, Firewall, and Utilities. The "Wireless" section is currently selected, and the "Security" sub-section is active.

The main content area is titled "Wireless > Security" and contains the following configuration options:

- Security Mode:** A dropdown menu set to "WPA-PSK (no server)".
- Encryption Technique:** A dropdown menu set to "TKIP", with a note that "Default is TKIP".
- Pre-shared Key (PSK):** An empty text input field.
- Obscure PSK:** An unchecked checkbox.

Below the configuration options, there is a descriptive text block for "WPA-PSK (no server)":

**WPA-PSK (no server)**  
Wireless Protected Access with a Pre-Shared Key: The key is a password, in the form of a word, phrase or series of letters and numbers. The key must be between **8** and **63** characters long and can include spaces and symbols. Each client that connects to the network must use the same key (Pre-Shared Key). [More Info](#)

At the bottom of the configuration area, there are two buttons: "Clear Changes" and "Apply Changes".

The browser's status bar at the bottom shows "Udført" (Completed) and "Internettet" (Internet).



# Trådløst netværk

## MAC address filtering

Firewall > MAC address filtering - Microsoft Internet Explorer

Adresse [http://192.168.2.1/fw\\_mac.html](http://192.168.2.1/fw_mac.html)

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: **No Connection**

**LAN Setup**

- LAN Settings
- DHCP Client List
- Internet WAN**
- Connection Type
- DNS
- MAC Address

**Wireless**

- Channel and SSID
- Security
- Use as Access Point
- Wireless Bridge

**Firewall**

- Virtual Servers
- Client IP Filters
- MAC Address Filtering**
- DMZ
- WAN Ping Blocking
- Security Log

**Utilities**

- Parental Control
- Restart Router
- Restore Factory Default
- Save/Backup Settings
- Restore Previous Settings
- Firmware Update

### Firewall > MAC address filtering

This feature lets you set up a list of allowed clients. When you enable this feature, you must enter the MAC address of each client on your network to allow network access to each. [More Info](#)

**Enable MAC Address Filtering >**

**MAC Address Filtering List >**

Block	Host	MAC Address	
<input type="checkbox"/>		<input type="text"/>	<< Add

Internet

# Trådløst netværk System settings

Utilities > System settings - Microsoft Internet Explorer

Filer Rediger Vis Foretrykne Funktioner Hjælp

Tilbage

Adresse [http://192.168.2.1/util\\_system.html](http://192.168.2.1/util_system.html)

Google

Go

Bookmarks

1 blocked

Check

AutoLink

AutoFill

Send to

Settings

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: **No Connection**

**LAN Setup**

LAN Settings

DHCP Client List

**Internet WAN**

Connection Type

DNS

MAC Address

**Wireless**

Channel and SSID

Security

Use as Access Point

Wireless Bridge

**Firewall**

Virtual Servers

Client IP Filters

MAC Address Filtering

DMZ

WAN Ping Blocking

Security Log

**Utilities**

Parental Control

Restart Router

Restore Factory Default

Save/Backup Settings

Restore Previous Settings

Firmware Update

**Utilities > System settings**

**Administrator Password:**

The Router ships with NO password entered. If you wish to add a password for more security, you can set a password here. [More Info](#)

- Type in current Password >

- Type in new Password >

- Confirm new Password >

- Login Timeout >  (1-99 minutes)

**Time and Time Zone:** **January 01, 1970 12:12:48 AM**

Please set your time Zone. If you are in an area that observes daylight saving check this box. [More Info](#)

- Time Zone >

- Daylight Savings >  Automatically Adjust Daylight Saving

**Remote Management:**

**ADVANCED FEATURE!** Remote management allows you to make changes to your Router's settings from anywhere on the Internet. Before you enable this function, **MAKE SURE YOU HAVE SET THE ADMINISTRATOR PASSWORD.** [More Info](#)

Any IP address can remotely manage the router.

- Only this IP address can remotely  .  .  .

Internet



# Trådløst netværk Pjecer



## IT- og Telestyrelsen

- ✦ Sikkerhed i trådløse netværk
- ✦ Beskyt dit trådløse netværk

<http://www.itst.dk>