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Packet contents:

- 1x Hama Wireless LAN Router 54 Mbps
- 1x 12V power supply
- 1x printed operating instructions
- 1x configuration cable

Remark concerning the positioning:

The connection quality depends strongly on the place or surroundings where you put up the WLAN device. Please ensure that the device or its antennae are neither covered nor built in. We advise you against putting it up near metallic objects or other electric or radiant devices. In case of reception fluctuations or connection interruptions we recommend you to move interference sources such as DECT telephones, mobile phones, Bluetooth devices or other WLAN networks out of the way. If this is not possible, it may also be helpful to change the cable.

System requirements:

- Operating system with TCP/IP protocol installed
- Java-capable web browser such as Mozilla Firefox or Microsoft Internet Explorer

Safety instructions:

Do not use the device in moist or extremely dusty areas, on radiators or in the vicinity of heat sources. This device is not designed for use outdoors. Protect the device from pressure and impact. The device may not be opened or moved during operation. Do not operate the device without a screwed-on antenna.

Caution! Use the router with the enclosed power supply unit only. Using other power supply units can cause irreparable damage to the product.

Note! The "Connect as required" setting is recommended for volume or timed rates, so that the internet connection is disconnected automatically after the period set in the „Idle time" option. Connection costs may be high if permanently connected. Please also note that closing the browser does not automatically disconnect from the internet. Many programs send queries to the internet or receive data from it without this being clearly visible. For the router, these queries are just as valid as opening a browser, for example. If you want to ensure that there is no active connection to the internet, you should switch off the device or disconnect it from the modem.

1. Connecting the Wireless LAN Router

1. Connect the computers and other network devices such as hubs/switches to sockets 1-4. Use a crossover or CAT5 patch cable (max. 100m). The integrated switch automatically identifies the connection speed of 10 or 100Mbps, half/full duplex transfer mode and the type of cable used.
2. Connect the Ethernet port of your modem to the WAN connection on the router. A 1:1 or crossover cable is required depending on the modem. In most cases, the existing connection cable can be used.
3. Plug the power unit supplied into an empty socket and connect it to the router. Caution: Unsuitable power supply units can cause damage!

Checking Installation

There are various status indicating LEDs on the top of the device:

LED	Condition	Status
Power	Illuminated	Power unit is connected and supplying electricity
	Off	No power unit connected, device not being supplied with electricity
WLAN	Flashing	Wireless LAN is activated / data is being sent
	Off	Wireless LAN is deactivated
WAN	Illuminated	The WAN port has generated a correct network connection
	Flashing	Data transfer via WAN port
	Off	No connection
LAN1-4	Illuminated	The corresponding LAN port has generated a correct network connection
	Flashing	Data transfer via respective LAN port
	Off	No connection

2. Configuring the operating system and computer

The TCP/IP protocol must be installed on all PCs that will be using the Internet. By default, the IP address 192.168.2.1 and an activated DHCP server are configured for the router. This means that the connected PCs are automatically given appropriate addresses and other settings. We recommend using these settings.

Proceed as follows to check the settings on your PC:
Start -> Settings -> Control panel -> Network connections
Select the connection (network adapter) via which your PC is connected to the router, e.g. "LAN connection". When you right-click the corresponding connection, a menu is displayed in which you select Properties.

Select the **Internet Protocol (TCP/IP)** entry in the list and click **Properties**.



Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**! Confirm by clicking **OK**, and again in the subsequent window.

Your PC is now configured such that the router assigns the IP address automatically. You can then configure the router using the web browser. The browser must be Java-capable and the Java function must be activated (e.g. Internet Explorer 6.0 or better, or Mozilla Firefox).



3. Configuring the Wireless LAN Router

To start the configuration process, open your browser and enter "http://192.168.2.1" as the address.

The login window is then displayed. By default, the user name is set to **admin** and the password is **1234**. After entering these, click **OK** to log on to the router.

You can configure the router via the integrated Setup Wizard or manually. After configuration using the Setup Wizard, the device is set so that the connected computers can access the internet.

Note! For security reasons, you must change your user name and password. The standard settings are identical for many devices and can allow others to access the router configuration. See Page 13 for information.

The configuration surface gives you the possibility to change between the German and the English language. Choose the desired language in the browser window at the top on the right. The language is altered immediately and can always be changed again.

3.1 Configuring the Internet Connection using the Setup Wizard

Please start the Setup Wizard after logging in by clicking **Quick Setup**.

Time Zone

For **Set Time Zone** choose the appropriate time zone, e.g. **GMT sGreenwich Mean Time: Dublin, Edinburgh, Lisbon, London** for England. The remaining settings can be left as they are. Click => **Next** to continue.

Broadband Type

Next, you are prompted to specify the WAN connection type. Your service provider will provide you with user-specific information. There is a brief description of the various connection types on the overview page. Due to the widespread use of DSL via **PPPoE**, the remainder of the description will refer to this type of connection.

For the **PPPoE** connection type, click **PPPoE xDSL**.

IP Address Info

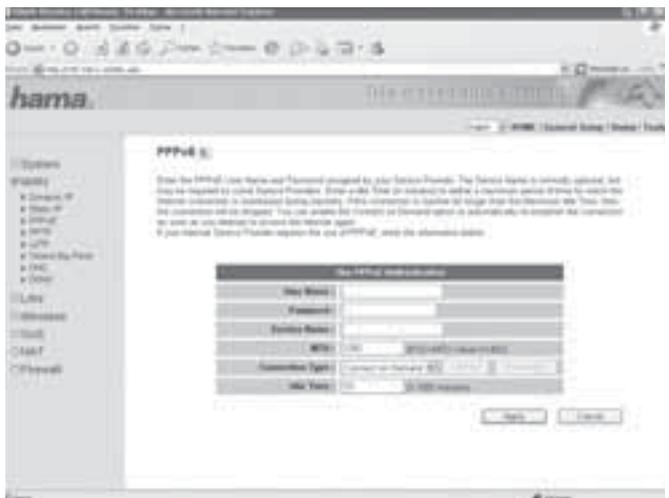
You must enter the access data for your provider in the next window. See your documents or contact the provider directly for this information.

Please enter the following details:

User Name

Password

Service Name (this must not always be entered)



In addition to the access data, you can make the following entries:

MTU stands for Maximal Transfer Unit and specifies the maximum packet size to be transferred. If you are not sure about this setting, we recommend leaving the standard value set. Values between 512 and 1492 can be set.
The **Connection Type** entry sets the dial-in action of your router. You can then select either:

Continuous: The router is always connected to the internet. This connection type is recommended if you have a flat-rate with no time limit, for example.

Connect on demand: With this connection type, the router does not dial in until it receives a request from a connected computer, e.g. if you open the internet browser on a computer. The connection is maintained until the period set under **Idle Time Out** has passed without activity.

Manual: If you choose the **Manual** connection type, you can make the connection by clicking **Connect**, and close it by clicking **Disconnect**.

Note! The "Connect as required" setting is recommended for volume or timed rates, so that the internet connection is disconnected automatically after the period set in the „idle time" option. Connection costs may be high if permanently connected. Please also note that closing the browser does not automatically disconnect from the internet. Many programs send queries to the internet or receive data from it without this being clearly visible. For the router, these queries are just as valid as opening a browser, for example. If you want to ensure that there is no active connection to the internet, you should switch off the device or disconnect it from the modem.

Idle Time Out: Enter the length of time you want to wait before internet connection is cut off when inactive. Values between 1 and 1000 can be set. Click **OK** to confirm your entries. You must then restart the router for the settings to take effect. Click **Apply** in the next window to save the settings. The router takes approx. 30 seconds to restart. After the restart the router is configured so that you can access the internet via the connected computers. You can also edit these settings manually, by clicking **WAN** in the menu on the left and then selecting the corresponding connection type.

3.2 Configuring the Wireless LAN

Wireless LAN is deactivated by default for security reasons. To activate this function, from the start view which can be accessed by clicking **Home**, select **General Setup** and then **Wireless** in the menu on the left. Note that activating Wireless LAN without also setting encryption results in a security risk. Select **Enable** and then click **Apply**. Read Basic Settings for Wireless Networks for further instructions!

3.2.1 Basic Settings for Wireless Networks (WLAN)

Select **Basic Settings** in the menu on the left.

The **Mode** setting allows you can select the task the router is to perform in the network.

Select the **AP (3.2.1.1)** access point function if the device is the only access point in your network or if no bridge level connection is to be made to other access points.

Select the **Station Ad-Hoc (3.2.1.2)** if your router should work as client and not as access point in the network. In this operating mode, a connection to other Ad-Hoc-Clients is possible. (Ad hoc signifies WLAN network without access point).

Select the **Station Infrastructure (3.2.1.3)** if your router should work as client and not as access point in the network. In this operating mode, the router can be registered as client to another access point.

Select **AP Bridge-Point to Point (3.2.1.4)** if you want to connect this access point wirelessly to a second access point. In this mode, clients cannot log-in via a wireless connection.

Select **AP Bridge-Point to Multi-Point (3.2.1.5)** if you want to connect this access point wirelessly to several other access points. In this mode, clients cannot log-in via a wireless connection.

Select **AP Bridge WDS (3.2.1.6)**, if you want to connect this access point to one or more other access points wirelessly and clients are to be allowed to log in wirelessly.

Continue configuration as required.

3.2.1.1 Operation as an Access Point (AP)

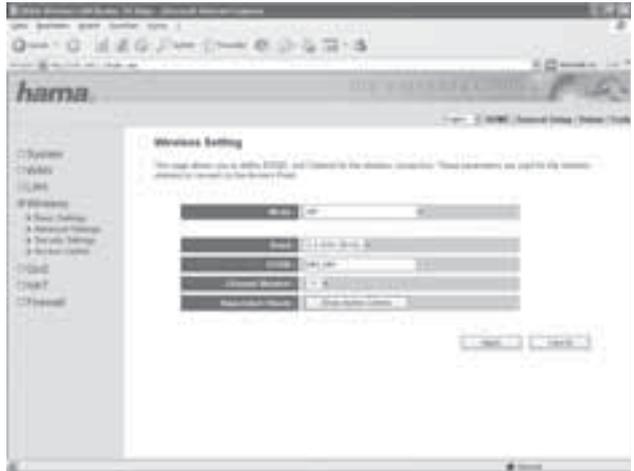
Selecting this under **Band** allows you to specify whether the device runs on the 2.4 Ghz band in accordance with the 802.11b (11Mbps), 802.11g (54Mbps) standards or works in combination with 802.11b and 802.11g. Then set the **ESSID**. The **ESSID** can contain up to 32 characters and must be identical for all devices in the network. **Channel Number** allows you to select the channel in which the data is to be transferred. 13 channels are available.

Example of an ESSID : "WLAN_Router_54Mbps"

Click **Apply** to save your settings!

To set the encryption for your wireless network, click **Continue** in the next window and then **Security Settings** in the menu on the left. Continue reading on page 10 for instructions on setting Wireless LAN encryption.

Click **Apply** in the next window if you want to operate a wireless network without encryption. The router is then restarted. The wireless network is available after you restart.



3.2.1.2 Operation as Station Ad-Hoc

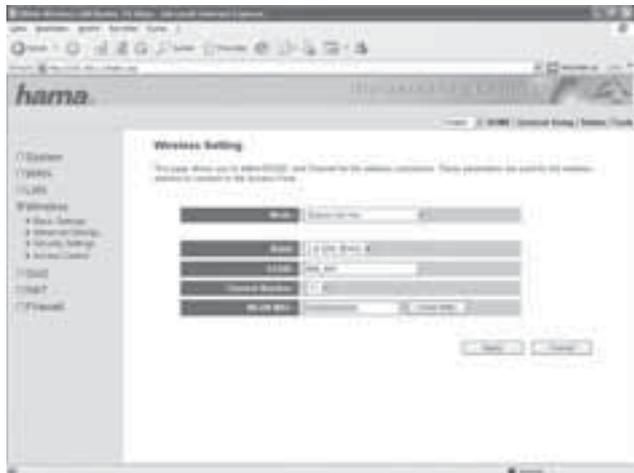
Under **Band**, you can determine whether the device works in 2.4 Ghz band according to standard 802.11b (11Mbps), 802.11g (54Mbps) or combined with 802.11b and 802.11g. Determine the **ESSID** afterwards. The length of the **ESSID** can amount to up to 32 signs and has to be identical for all devices in the network. Under **channel number** you determine the channel in which the data are to be transferred. 13 channels are available. Enter the MAC address with which your router should be visible in the Ad-Hoc network into the field **WLAN MAC address**. Click the button **Clone MAC address** to create a MAC address.

Example for an ESSID: "WLAN_Router_54Mbps"

Take over your settings by clicking the button **Apply**!

Click the button **Continue** in the following screen and then **Security Settings** in the menu on the left side in order to set the encoding for your wireless network. Page 10 will give you more information about the setting of the Wireless LAN encoding.

Click **Apply** in the next screen if you want to operate a wireless network without encoding. The router is then started anew. After the new start, the wireless network is available.



3.2.1.3 Operation as Station Infrastructure

Under **Band**, you can determine whether the device works in 2.4 Ghz band according to standard 802.11b (11Mbps), 802.11g (54Mbps) or combined with 802.11b and 802.11g. Determine the **ESSID** afterwards. The length of the **ESSID** can amount to up to 32 signs and has to be identical for all devices in the network. Enter the MAC address with which your router should be visible in the network into the field **WLAN MAC address**. Click the button **Clone MAC address** to create a MAC address.

Example for an ESSID: "WLAN_Router_54Mbps"

Take over your settings by clicking the button **Apply!**

Click the button **Continue** in the following screen and then **Security Settings** in the menu on the left side in order to set the encoding for your wireless network. Page 10 will give you more information about the setting of the Wireless LAN encoding.

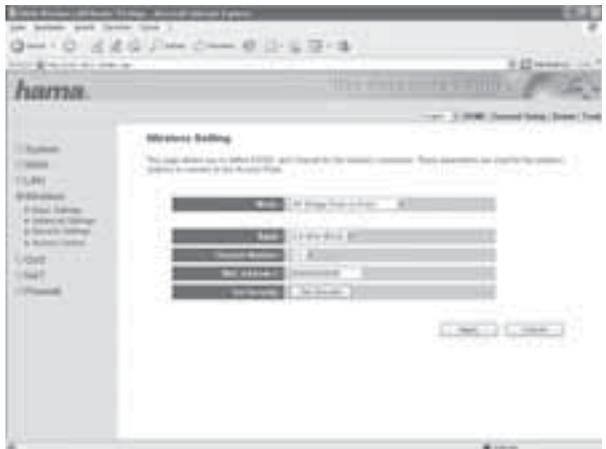
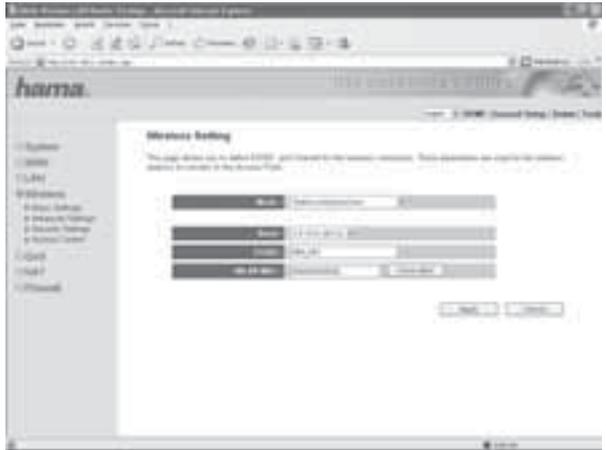
Click **Apply** in the next screen if you want to operate a wireless network without encoding. The router is then started anew. After the new start, the wireless network is available.

3.2.1.4 Operation as an AP Bridge Point to Point

Selecting this under **Band** allows you to specify whether the device runs on the 2.4 Ghz band in accordance with the 802.11b (11Mbps), 802.11g (54Mbps) standards or works in combination with 802.11b and 802.11g. **Channel Number** allows you to select the channel in which the data is to be transferred. 13 channels are available. Enter the address of the access point to which the bridge connection is to be made in **MAC address 1**. To set the encryption for your wireless network, click the **Set Security** button.

Continue reading on page 12 for instructions on setting Wireless LAN encryption.

Click **Apply** in the next window, and again in the window after that if you want to operate a wireless network without encryption. The router is then restarted. The wireless network is available after you restart.



3.2.1.5 Operation as an AP Bridge Point to Multi-Point

The difference to the AP Bridge Point to Point operation is that you can enter the MAC addresses of several access points in this mode. Bridge connections can be established to a maximum of 6 other access points. Selecting this under **Band** allows you to specify whether the device runs on the 2.4 Ghz band in accordance with the 802.11b (11Mbps), 802.11g (54Mbps) standards or works in combination with 802.11b and 802.11g. **Channel Number** allows you to select the channel in which the data is to be transferred. 13 channels are available. Enter the addresses of the access points to which the bridge connection is to be made in **MAC address 1 to MAC address 6**. To set the encryption for your wireless network, click the **Set Security** button.

Continue reading on page 12 for instructions on setting Wireless LAN encryption.

Click **Apply** in the next window, and again in the window after that if you want to operate a wireless network without encryption. The router is then restarted. The wireless network is available after you restart.



3.2.1.6 Operation as an AP Bridge WDS

What is **WDS**? Wireless Distribution System is the name for wireless connections between multiple access points, and also allows clients to log-in, which is not permitted by other bridge modes. The bandwidth of the network is halved for each additional access point as the packets have to be sent twice.

This makes it a combination of the previous modes.

Selecting this under **Band** allows you to specify whether the device runs on the 2.4 Ghz band in accordance with the 802.11b (11Mbps), 802.11g (54Mbps) standards or works in combination with 802.11b and 802.11g. The **ESSID** is required for the client network. It acts as identification in the network and must therefore be identical for all users in the client network. The **ESSID** can be up to 32 characters long.



Channel Number allows you to select the channel in which the data is to be transferred. 13 channels are available. Enter the addresses of the access points to which the bridge connection is to be made in **MAC address 1 to MAC address 6**. To set the encryption for your wireless network, click the **Set Security** button.

Continue reading on page 12 for instructions on setting Wireless LAN encryption.

Click **Apply** in the next window, and again in the window after that if you want to operate a wireless network without encryption. The router is then restarted. The wireless network is available after you restart.

3.2.2 Setting the Encryption for AP, Station Ad-Hoc and Station Infrastructure

First, it is important to understand a range of terms. The next section will explain the main terms used here:

Authentication: Authentication is a process in which the identity, e.g. of a person is determined based on a certain characteristic. This can be done by fingerprint, password or any other proof of authorisation.

Encryption: Encryption is a process in which plain text is transformed into a coded text via an encryption process (algorithm). One or more codes can be used for this. It must also be mentioned that each individual encryption process offers one or more authentication options.

The following encryption types are available for this mode:

- **64 Bit and 128 Bit WEP encryption**
- **WPA and WPA2 encryption**

You can make the settings under **Wireless/Security Settings** in the menu on the left for the **AP, Station Ad-Hoc and Station Infrastructure** mode.

Encryption is deactivated by default. However, for security reasons, we recommend that you always use encryption.

3.2.2.1 WEP encryption

Wired Equivalent Privacy (**WEP**) is a standard encryption algorithm for WLAN. It both controls the access to the network and guarantees the integrity of the data. This method is considered vulnerable due to a range of weaknesses.

First select whether you want to use 64 bit or 128 bit encryption. 128 bit encryption offers greater security. Then select either Hex (characters from 0-9 and a-f) or ASCII (any character) for the **Key Format**. This also determines the length of the key.

Default Tx Key allows you to select one of four preset keys. Select **Key 1**, for example, and enter your key of choice with the required length.

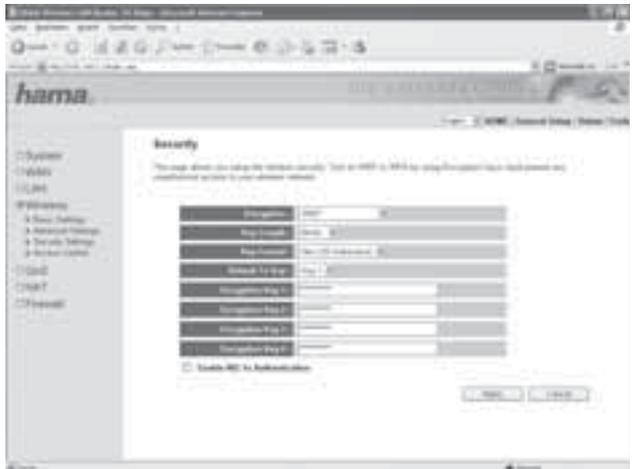
Examples:

64 bit Hex (10 characters) = 231074a6b9773e

64 bit ASCII (5 characters) = j31n.

128 bit Hex (26 characters) = 231074a6b9773ce43f91a5bef3

128 bit ASCII (13 characters) = urlaub2006.+0



Click **Apply** to save your settings. You must then restart the router for the settings to take effect. To do so, click **Apply** in the next window. The wireless network with encryption is available after you restart.

3.2.2.2 WPA/WPA2 Encryption

Wi-Fi Protected Access (**WPA**) is an encryption method for WLAN. WPA contains the WEP architecture, but offers additional protection via dynamic codes, which are based on the Temporal Key Integrity Protocol (TKIP), and also offers pre-shared keys (PSK) or extensible authentication protocol (EAP) for user authentication. However, a radius server is required for this. WPA2 is a development of WPA and uses a different encryption algorithm, advanced encryption standard (AES).

WPA offers two types of authentication, either **pre-shared key** or authentication via special **authentication protocols**, which are generally variations of EAP (Extensible Authentication Protocol). An authentication server (RADIUS server) is used for the latter authentication method, which is rarely used for private applications. Your administrator can give you the information you require to configure this authentication method.

WPA pre-shared-key (recommended for most users)

First select whether you want to use **WPA with TKIP** encryption algorithm, **WPA2 with AES** encryption algorithm or the **WPA Mixed** mode. The mixed mode allows clients using WPA or WPA2 to access the access point. The mixture is very practical as presently few XP clients are WPA2 compatible. If the mixed mode is switched off, the AP only allows WPA2 clients, and the large number of WPA (TKIP) devices cannot connect.

Then you must select the key format (**Pre-shared Key Format**). Select either **Pass phrase** for a key with a length of at least 8 and max. 63 characters, whereby letters (A-Z), numbers and punctuation marks can be used, or **Hex** for a 64 character key, in which only numbers from 0-9 and letters from a-f can be used.

The next step is entering a key, called a **pre-shared-key** (PSK). All clients which are to access the access point must know this character string.

Click **Apply** to save your settings. You must then restart the router for the settings to take effect. To do so, click **Apply** in the next window. The wireless network with encryption is available after you restart.

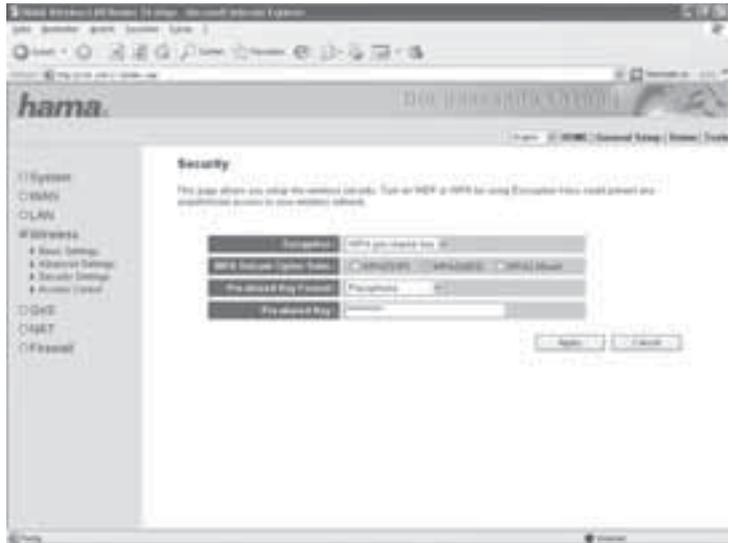
WPA RADIUS (requires a special authentication server)

First select whether you want to use **WPA with TKIP** encryption algorithm, **WPA2 with AES** encryption algorithm or the **WPA Mixed** mode. The mixed mode allows clients using WPA or WPA2 to access the access point. The mixture is very practical as presently few XP clients are WPA2 compatible.

Select **WPA2 (AES)** only. The AP only allows WPA2 clients, and the large number of WPA (TKIP) devices cannot connect.

Next enter the **RADIUS server IP address**. The **RADIUS Server Port** is preset to 1812. Enter the **password** for the RADIUS Server.

Click **Apply** to save your settings. You must then restart the router for the settings to take effect. To do so, click **Apply** in the next window. The wireless network with encryption is available after you restart.



3.2.3 Setting the Encryption for Bridge-Point to Point, Bridge Point to Multi-Point and Bridge WDS

First, it is important to understand a range of terms. The next section will explain the main terms used here:

Authentication: Authentication is a process in which the identity, e.g. of a person is determined based on a certain characteristic. This can be done by fingerprint, password or any other proof of authorisation.

Encryption: Encryption is a process in which plain text is transformed into a coded text via an encryption process (algorithm). One or more codes can be used for this. It must also be mentioned that each individual encryption process offers one or more authentication options.

The following encryption types are available for the various modes:

- **64 Bit and 128 Bit WEP encryption**
- **WPA (TKIP) and WPA2 (AES) encryption**

Click the **Set Security** button to make the settings for the **Bridge-Point to Point, Bridge-Point to Multi-Point and Bridge WDS** modes after setting the mode. For the **Bridge WDS** mode, encryption must be set for the access point under **Wireless/Security Settings** in the menu on the left. This is the only encryption available for WDS.

For WDS, the encryption must be adjusted before, in the menu on the left, under Wireless/Security Settings.

You can choose either **WEP** encryption with **64 Bit** and **128 Bit**, **WPA with TKIP** encryption algorithm and **WPA2 with AES** encryption algorithm.

3.2.3.1 WEP Encryption

Wired Equivalent Privacy (**WEP**) is a standard encryption algorithm for WLAN. It both controls the access to the network and guarantees the integrity of the data. This method is considered vulnerable due to a range of weaknesses.

First select whether you want to use 64 bit or 128 bit encryption. 128 bit encryption offers greater security. Then select either Hex (characters from 0-9 and a-f) or ASCII (any character) for the **Key Format**. This also determines the length of the key.

Default Tx Key allows you to select one of four preset keys. Select **Key 1**, for example, and enter your key of choice with the required length.



Examples:

64 bit Hex (10 characters) = 231074a6ef

64 bit ASCII (5 characters) = j31n.

128 bit Hex (26 characters) = 231074a6b9773ce43f91a5bef3

128 bit ASCII (13 characters) = urlaub2006.+0

Click **Apply** to save your settings. You must then restart the router for the settings to take effect. To do so, click **Apply** in the next window. The wireless network with encryption is available after you restart.

3.2.3.2 WPA/WPA2 Encryption

Wi-Fi Protected Access (**WPA**) is an encryption method for WLAN. WPA contains the WEP architecture, but offers additional protection via dynamic codes, which are based on the Temporal Key Integrity Protocol (TKIP), and also offers pre-shared keys (PSK) or extensible authentication protocol (EAP) for user authentication. However, a radius server is required for this. WPA2 is a development of WPA and uses a different encryption algorithm, advanced encryption standard (AES).

Select **WPA Pre-shared Key** under Encryption. Then, under WPA Unicast Cipher Suite, select WPA (TKIP) or WPA (AES).

Then you must select the **Pre-shared Key Format**. Select either **Pass phrase** for a key with a length of at least 8 and max. 63 characters, whereby letters (A-Z), numbers and punctuation marks can be used, or **Hex** for a 64 character key, in which only numbers from 0-9 and letters from a-f can be used. The next step is entering a key, called a **pre-shared-key** (PSK). All clients which are to access the access point must know this character string.

Click **Apply** to save your settings. You must then restart the router for the settings to take effect. To do so, click **Apply** in the next window. The wireless network with encryption is available after you restart.



3.3 Changing the Log-in Data

From the start view which can be accessed by clicking **Home**, select **General Setup** and then **System => Password Settings** in the menu on the left.

This page allows you to enter a new password for the router. To assign a new password, you must first enter the current password in the Current Password field. Enter the new password in the **New Password** field and again in the **Confirmed Password** field to confirm that it was typed correctly. Click **Apply** to confirm your entries. You must then restart the router for the settings to take effect. To do so, click **Apply** in the next window. The new password applies after restarting.

3.4 LAN Settings

From the start view which can be accessed by clicking **Home**, select **General Setup** and then LAN in the menu on the left.

This allows you to change the standard LAN settings of the router.

LAN IP: The router is preset to the IP address 192.168.2.1. If you want to use a different address for the router, you can change it in this entry field. The corresponding **Subnet Mask** is entered in the field directly below this.

DHCP Server:

The integrated **DHCP server** allows IP addresses to be assigned to connected clients automatically. Select **Disabled** if you assign the IP addresses manually in your network, and therefore do not need a DHCP server. Select **Enabled** if you want to use the DHCP server the **Lease Time** setting specifies how long the assigned IP address is to apply for the client.

The IP address range from which the DHCP server can assign IP address to the clients is restricted by the **Start-IP Address** and the **End-IP Address**. The table below allows you to permanently assign a certain MAC address to an IP address from the valid range. When the client logs in on the router, it is always given this IP address. To do so, select **Enable Static DHCP Lease** and enter the MAC address and the IP address in the empty fields of the table at the bottom.. The entry is saved in the table when you click **Add**.

Click **Apply** to confirm your entries. You must then restart the router for the settings to take effect. To do so, click **Apply** in the next window.

Warning! The new LAN configuration is valid after restarting. Therefore, you have to use the new IP address to open the web interface in the browser.

4. Tools

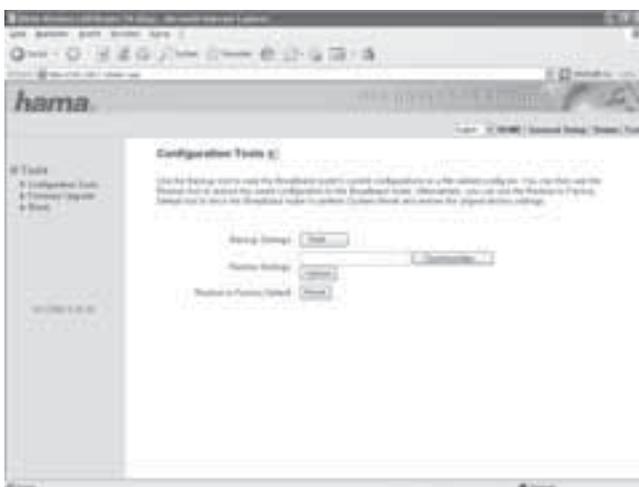
The Hama Wireless LAN router provides you with various tools to help you configure and use the device.

4.1 Configuration Tools

From the start view which can be accessed by clicking **Home**, select **Tools** in the menu at the top right, and then **Configuration Tools** in the menu on the left.

This page allows you to save all configuration options of the router. Click **Save** to do so. Then select the target folder. You should also set a file name which allows you to identify the file clearly. Click **Save** after your selection. The settings are now saved. If you want to restore the saved settings at a later time, click **rowse** and then select the configuration file required. Click **Upload** to load the file. The router takes a few seconds to load the file and then to restart. The selected LAN configuration is valid after restarting.

To reset the router to the default settings, click **Reset (Restore to Factory Default)**. Click **OK** at the next prompt. All settings are reset to the default settings.



4.2 Firmware Update

From the start view which can be accessed by clicking **Home**, select **Tools** in the menu at the top right, and then **Firmware Upgrade** in the menu on the left. To do so, click **Next** in the next window.

Click **Browse** to select the new firmware file in the next window. Click **Apply** after you select the file. The new firmware is loaded and the router is restarted.

Warning! Earlier settings are lost when new firmware is loaded.

4.3 Re-starting the Router

From the start view which can be accessed by clicking **Home**, select **Tools** in the menu at the top right and then **Reset** in the menu on the left.

The router is restarted when you click **Apply** in this window and confirm the subsequent prompt by clicking **OK**. Settings you have made are not lost.

5. Status Information

From the start view which can be accessed by clicking **Home**, select **Status** in the menu at the top right.

The menu on the left contains various sub-menus via which you can view detailed information, such as **Internet Connection, Device Status or Active DHCP Clients**. The **Statistics** menu item also provides a packet counter.

6. Support and Contact Information

If products are defective:

Please contact your dealer or Hama Product Consulting if you have any product claims.

Internet / World Wide Web:

Product support, new drivers or product information can be found at www.hama.com

Support Hotline – Hama Product Consulting:

Tel. +49 (0) 9091 / 502-115

Fax +49 (0) 9091 / 502-272

E-mail: produktberatung@hama.de

Note:

This product may only be used in Germany, Austria, Switzerland, France, England, Belgium, Spain, Holland, Denmark, Hungary, Poland, Sweden, Luxemburg, Ireland, Greece, the Czech Republic, Slovakia and Finland.

See www.hama.com for the declaration of conformity with R&TTE Directive 99/5/EC.

