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Package contents:

- 1x Hama Wireless Beamer Adapter
- 1x 5V power supply
- 1x Driver CD-Rom
- 1x printed operating instructions

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. Only use the enclosed power supply unit for the operation of the adapter. Using another power supply unit may lead to damage of the device.
See to it that the connection between the beamer/projector and the wireless beamer adapter is not interrupted during the operation.

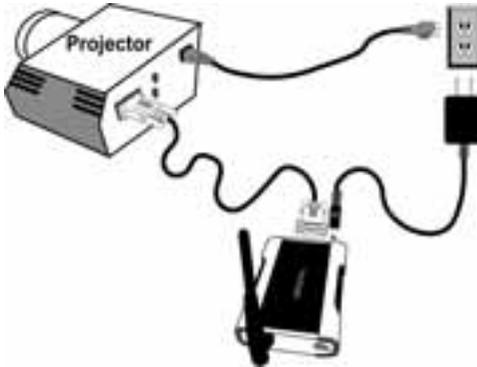
General remarks

The operation in 5 Ghz areas is only permitted in closed interior rooms.
For the operation you must have a PC/notebook with Wifi enabled network interface which functions as transmitter.

1. Connection of the devices

All devices have to be connected before you install or start the Presto! software.

1. Connect the VGA/RGB socket of you beamer with the RGB OUT socket of the adapter. For this purpose you have to use the enclosed cable for the beamer.
2. Connect your beamer and the wireless beamer adapter to the voltage supply by means of the included power supply units.



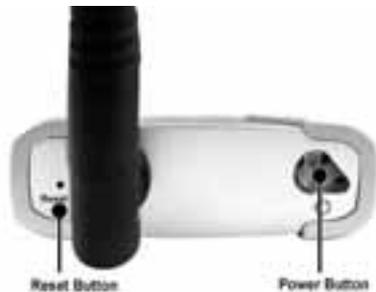
3. Switch on the adapter by pressing the power button on the front of the device. The button shines now.

2. Installation of the software

Before installation, please save any open documents you may be working on. Then close all running programs. Insert the CD-ROM provided in the drive. Usually, the CD starts automatically. If the menu does not start automatically, double-click the corresponding CD-ROM drive icon in My Computer. The following window opens after the program starts:
Select the required language.

This installation process is suitable for Windows® 2000/XP.

Click **Install** to continue with the **installation**. Click **User Guide** to open the operating instructions. Acrobat Reader is required to display PDF files. If you have not yet installed Acrobat Reader, you will find a free version on the enclosed driver CD.



Click **Download driver** to download the latest driver from the Hama website. This allows you to check whether drivers have now been developed for previously unsupported systems. Click **Back** to return to language selection.

When you select **Install**, the InstallShield Wizard is loaded. This can take a few seconds. Please wait until the InstallShield Wizard starts.

In this window you can decide if the Acrobat Reader is to be installed as well. Remove the small hook if you do not want to install the Acrobat Reader now. The Acrobat Reader can also be installed afterwards



The next window shows you that the Presto! WMS software is being installed on your computer. Confirm the dialogue with **Yes**. Read the licence terms and click **Yes** if you accept them. If you click **No**, the setup is stopped.

In the following window you are asked to enter your registration data for the software. Please enter your data in the fields provided for this. Three serial numbers are available. You will find them in the package, on the card of the firm Newsoft.

Click **Next** if you accept the directory suggested for the installation or select another directory first. The same procedure is applicable when you determine the program file. The required files are installed afterwards.



The message that the software has not passed the Windows[®] logo test may appear while the driver is being installed:

This only means that the test has not been performed. The stability and function of the driver was tested thoroughly before delivery. The qualification of the drivers by Hama means that new versions can be used far earlier and do not have to wait for the Windows[®] logo test. Click **Continue Anyway** to confirm the message.

Click **Finish** and confirm the next dialogue with **OK** in order to restart the computer. After the reboot you can install the transmitter.

3. Installation of the transmitter

In this case, the transmitter is the computer which sends the data to the adapter. Start the Presto! WMS software by clicking the appropriate button on the desktop.

A list with network devices is being displayed. Select the **wireless** network adapter with which you want to establish a connection to the wireless beamer adapter. Click **OK**.

Note: If no wireless network adapter is shown in the list you have to install this one first before you can continue with the installation.

The software itself begins to search existing wireless beamer adapters. All adapters which have been found are shown in a list when the scan process has been finished. Select the desired adapter and click **OK**. If you want to use several adapters at the same time, you have to select the small control box **Multiple adapters** under Settings/Adapter.

After selection of the adapter, the user interface of the software appears. It offers you all available setting and control functions.

If no adapter is found, you have to press the **reset button** on the adapter for about 10 seconds.

Click **Settings** afterwards and then **Search**. Choose the adapter which you want to use from the list and click **OK**.

4. Operation of the transmitter

You should see the user interface on your monitor as shown here. All basic setting and control functions are explained in this section.



	Reproduction: Start of image transmission Attention! Please do not separate the cable connections during the transmission
	Break: Interruption of the connection
	Stop: Stop the connection
	Settings: Modification of the settings, e.g. encoding, quality etc.
	Live update for software updating

5. Settings

Click the button **Settings**. For this purpose, you have to stop the reproduction mode first.

The SSID of all available adapters are shown on the **Adapter** tab.

Select the option **Multiple adapters** if you want to transmit the signal to several adapters. Click **Search** in order to search available wireless beamer adapters. Take over your selection with **OK** if you have selected one adapter or several adapters. With **Cancel** you can return to the user interface; changes are not taken over.

Switch to **Quality** tab in order to adjust the colour quality and the screen resolution.



Colour quality: normally 16 bits or optimally 32 bits

Screen resolution: 1024x768 or 800x600

You should transmit your data in an encrypted way in order to protect them. Switch to the **WEP** tab for this purpose:

Select **Enable WEP key** in order to activate the encoding.

ASCII = Letters (A-Z), numbers and punctuation marks

Hex = characters from 0-9 and a-f

You can deposit up to four keys. Only the key which has been selected is being used. Enter the key according to the following instructions and confirm your entries with **OK**.

WEP 64 bit ASCII requires 5 characters

WEP 64 bit HEX requires 10 characters

WEP 128 bit ASCII requires 13 characters

WEP 128 bit HEX requires 26 characters

The same settings are necessary for the wireless beamer adapter. You have to make them yourself. See **Extended settings**, page 7, for more information.

6. Extended settings

Configure the adapter either via the existing WLAN connection or connect the PC and the adapter with a patch cable.

Change to the screen Network connections on your PC. Choose the appropriate connection and select **Properties** after a right click. Select **Internet protocol (TCP/IP)** from the list of the elements. Take over the settings for IP address and sub-network mask as shown in the picture and confirm twice with **OK**.



Open the internet browser and enter the address 192.168.168.30. The log-in window appears:

Username: Admin

Password: 1234

The web interface opens. Here, you will get detailed information. You can make different settings for LAN and WLAN.



6.1 Change LAN and WLAN settings

Select the point **LAN** in the **set-up** menu on the left.

Here, you can assign another IP address than the standard one in order to integrate the adapter into your network. Or you select **Obtain IP address automatically** if there is a DHCP server in your network which distributes the IP addresses.

Select the point **WLAN** in the **set-up** menu on the left. On this side, you can modify the WLAN settings such as **SSID, Encryption or Channel**.

Select **Shared Key** under Authentication Mode to adjust the encoding and click **Apply**. In the following screen, you have to enter the data required for the encryption. Select **Enable** in order to activate the encryption.

Select with which character set and with how much bits your key is to be created.

ASCII = Letters (A-Z), numbers and punctuation marks

Hex = characters from 0-9 and a-f



You can deposit up to four keys. Only the key which has been selected is being used. Enter the key according to the following instructions and confirm your entries with **Apply**.

WEP 64 bit ASCII requires 5 characters

WEP 64 bit HEX requires 10 characters

WEP 128 bit ASCII requires 13 characters

WEP 128 bit HEX requires 26 characters

6.2 Basic settings

Select **Maintenance** in the menu on the left.

Factory Defaults: Reset software to delivery state.

Reboot Bridge: Restart adapter.

6.3 Changing the Log-in Data

For reasons of safety we recommend you to modify the log-in data. Select **Change Username/Password** in the menu on the left for this purpose. Fill in the fields according to the following example:

Old Username: current user name

Old Password: current password

New Username: new user name

New Password: new password

Verify New Password: repeat/confirm new password

When you have filled in all fields, you have to click **Submit** in order to store the new values.

Close the browser window in order to finish the configuration.

7. 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, Italy, Denmark, Hungary, Poland, Sweden, Portugal, 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.

The operation in 5 Ghz areas is only permitted in closed rooms.