

00049079



DSL/Breitband Router DR-20 DSL/Broadband Router DR-20 Routeur DR-20 DSL / large bande

Installation instructions:

Before you begin, make sure that you have received your DSL user data from your Internet provider. You also require an additional ADSL modem with an Ethernet connection.

Caution!

The external ADSL modem may not be a USB device; otherwise you cannot use our router will it!

In the box:

- 1x Hama DR-20 DSL/broadband router with integrated USB print server
- 1x Power supply unit
- 1x Driver CD-ROM
- 1x Assembly material for wall attachment
- 1x Operating instructions printout

1. Installing the Hardware

Using network cable, connect your external ADSL modem to the terminal with the name **WAN** at the back of the DR-20 DSL/broadband router. Where possible, use a CAT 5 STP network cable to ensure a smooth connection.

Connect the computer(s) that you would like to connect to the Internet using the router. Insert a suitable network cable (patch or crossover cable CAT5 STP) in your network card on the PC and connect the other end to the terminal with the numbers 1 - 4 at the rear of the DR-20 DSL/broadband router.

LED	Status	Explanation
WAN	Illuminat	The WAN port has generated a correct Internet connection
	ed	
	Flashing	Data transfer via WAN port
	Off	No connection
LAN1-4	Illuminat	The corresponding LAN port has generated a correct network
	ed	connection
	Flashing	Data transfer via respective LAN port
	Off	No connection
USB	Illuminat	A USB device is connected
	ed	
	Off	No USB device is connected or recognized
POWER	Illuminat	Power unit is connected and supplying electricity
	ed	
	Off	No power unit connected, device not being supplied with
		electricity

Plug the power unit supplied into an empty socket and connect it to the DR-20 DSL/broadband router.

Caution:

Only use the power unit, which is supplied with the product.

Rear view of DR-20 DSL/broadband router



DC In:Connection for the supplied power supply unitUSB Printer:USB printer port for connecting your printer using a USB cable1-4:Network cable connection of the computer or switch/hubWAN:For connecting the external DSL modem using a network cableReset:If you hold Reset pressed longer than 5 seconds, the router is automatically reset to
the factory settings.

The hardware installation is now complete.

2. Installing the Software

The TCP/IP protocol must be installed on all PCs or notebooks that are to use the Internet. By default, the IP address **192.168.1.1** and an **activated DHCP server** are configured for the router. That means that the connected PCs are automatically given **appropriate addresses** and **other settings**. We recommend using these. Select the **TCP/IP setting Get IP address automatically** for all PCs or notebooks connected to the router. 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 5.5 or higher, or Netscape 7.0 or higher, Opera 6.0, Firefox 1.0, etc.).

To start the configuration process, open your browser and enter **192.168.1.1** as the address. The **login window** is displayed.

The preset username is: admin password: admin

After making the entry, click **OK**. The **Basic Setup DHCP** window opens.

The router must now be configured for the corresponding **ADSL protocols**. Access via **PPPoE** (Germany), **PPTP** (Austria) and Static IP is described in the following pages. If you are not sure which **ADSL protocol** you must use, contact your Internet provider.

Access via PPPoE:

Select the first option Get IP address automatically (PPPoE).

Leave the host name and domain name blank. You must specify your Internet provider.

Private IP Address:	You can alloc you do not ch	ate your internal IP address range here. We recommend that ange anything.
User Name:	Your User na	me (that your Internet provider assigned you)
Password: ISP:	Your passwo r The name of	rd your Internet provider e.g. T-Online
MTU:	You can gene require other	rally leave the standard 149 , but certain Internet providers values.
For example	ple: T-Onl	ine = 1492
	AOL =	1400
	Freenet =	1454
	1&1=	1492
	Q-DSL=	1454
	Arcor=	1488
	Tiscali=	1492 (for DSL volumes)
	Tiscali=	1492 (for DSL flatrate)

Connect on demand: If you **enable** this option, the router **automatically dials into the Internet** as soon as your browser or a program opens that attempts to connect to the Internet.

Disconnect when network idle: Enter the **number of minutes after which** the router should **disconnect the Internet connection when it is idle**.

Important information for DSL users who are billed based on data volume:

Please keep in mind that there are many **background programs** that **connect to the Internet despite your browser being closed** and therefore the **connection is not disconnected**. Such background programs are for example, **virus scanners**, **Windows Media Player**, **Windows Update** and **trojans**. Therefore, so you are not surprised by an **excessive Internet bill**, **switch off the router after you are finished using the Internet** to be completely sure that **no unwanted connections can occur**.

Note T-Online users:

The user name consists of: the 12-digit connection ID, T-Online number (if this is shorter than 12 digits, you must complete it with the # symbol), 4-digit user number (e.g. 0001) and then @t-online.de. Enter all components consecutively without spaces. The password is your T-Online access password.

Note for AOL customers:

The user name consists of your AOL name and @de.aol.com (Germany). For example: <u>J.Smith@de.aol.com</u>

The MTU entry must be changed to 1400. The AOL access must be set to TCP/IP.

		Basic Setup-PPPoE
Basic Setup	Host Name:	(Required by some ISPs)
DHCP Settings	Domain Name:	(Required by some ISPs)
URL Access	Private IP Address	(MAC Address: 00-02-44-8a-a9-63)
Access Control	Private IP Address:	192 . 168 . 1 . 1
<u>Virtual Server</u>	Subnet Mask:	255 . 255 . 255 . 0
DMZ Host	Public IP Address	(MAC Address: 00-02-44-8a-28-19)
<u>Device Admin</u>	DNS Proxy :	• Enable O Disable
<u>Status Monitor</u>	Get an IP address autom	atically (DHCP)
<u> RIP</u>	Get an IP address autom	atically (PPPoE)
Static Routing	User Name:	username
<u>Σ Dγnamic DNS</u>	Password:	****
<u>Special Application</u>	ISP Name:	ISP
<u>Statistics</u>	MTU:	1492 (Max=1492) Change
<u>Σecuritγ Settings</u>	Connect-on-demand:	
Connection Log	Disconnect when network idle	5 min (D=No Idle Time Setting,Min=5 min)
<u> </u>	Static IP Address	
<u>VPnP</u>	C PPTP Client	
See also www.aol.	de/zugang/ include/inst route	r.pdf

To save your settings, click **Apply**. The **basic configuration** process is now complete.

<u>PPTP configuration (Austria):</u>

Select the first option **PPTP Client**. Enter the **IP Address** that you **received** from **your Internet provider**. **IP Address:** Subnet Mask: Enter the Subnet Mask that you received from your Internet provider. Enter the Gateway Address that you received from your Internet provider. **Default Gateway:** Enter your User name. User ID: Enter your **password**. **Password: PPTP Server:** Enter the IP Address of your Internet provider's PPTP server. Enter the MTU. Generally, you can use the standard value, unless your MTU: provider requires another value. **Idle Time Out:** Time displayed in minutes after which the connection is to be disconnected when it is idle.

Basic Setup	Host Name: (Required by some ISP	3)
	Domain Name: (Required by some ISP	s)
Access Control	Private IP Address (MAC Address: 00-02-44-8a-a9-63)	
▶ Virtual Server	Private IP Address: 192 . 168 . 1 . 1	
DMZ Host	Subnet Mask: 255 . 255 . 0	
<u>Device Admin</u>	Public IP Address (MAC Address: 00-02-44-8a-28-19)	
Status Monitor	DNS Proxy :	
	C Get an IP address automatically (DHCP)	
Static Routing	C Get an IP address automatically (PPPoE)	
	C Static IP Address	
Special Application	PPTP Client	
Security Settings	IP Address: 192 . 168 . 7 . 1	
Connection Log	Subnet Mask: 255 . 255 . 255 . 0	
<mark>⊳ Time Settings</mark>	Default Gateway: 192 168 7 . 254	
<u>VPnP</u>	User ID: Mustermann	
	Password: ****	
	PPTP Server: 192 168 7 . 254	
	MTU: 1460 (Max=1460) Change	
	Idle Time Out: 10	

Important information for DSL users who have a volume rate contract:

Please keep in mind that there are many **background programs** that **connect to the Internet despite your browser being closed** and therefore the **connection is not disconnected**. Such background programs are for example, **virus scanners**, **Windows Media Player**, **Windows Update** and **trojans**. Therefore, so you are not surprised by an **excessive Internet bill**, **switch off the router after you are finished using the Internet** to be completely sure that **no unwanted connections can occur**.

To save your settings, click Apply. The basic configuration process is now complete.

Static IP configuration:

Select the first option Static IP address.

Static IP Address:	Enter the static IP address that you received from your Internet provider.
Public Subnet Mask: provider.	Enter the Subnet Mask that you received from your Internet
Default Gateway IP Address:	Enter the Gateway IP Address that you received from your Internet provider .
Domain Name Server 1:	Enter the Domain Name Server (DNS) address that you received from your Internet provider.
09.6.2005	Art. Nr. 00049079

Domain Name Server 2:

Enter a second DNS Server.

Domain Name Server 3: Enter the **third DNS Server** if necessary.

	Basic Setup-Static					
Basic Setup	Host Name:					(Required by some ISPs)
DHCP Settings	Domain Name:					(Required by some ISPs)
URL Access	Private IP Address	(MAC Addre	ess: 00-02-4	4-8a-a9-63)		
Access Control	Private IP Address:	192 .	168 .	1.1		
Virtual Server	Subnet Mask:	255 .	255 . 2	55 . 0		
<u> DMZ Host</u>	Public IP Address	(MAC Addre	ess: 00-02-4	4-8a-28-f9)		
Device Admin	DNS Proxy :	Enable	e O Disabl	е		
Status Monitor	Get an IP Address Auton	natically (DHCP)			
N RIP	C Get an IP Address Auton	natically ((PPPoE)			
Static Routing	 Static IP Address 	100				ri -
Σ Dγnamic DNS	Static IP Address:	192 .	. 168 .	<u> </u>	1	
Special Application	Public Subnet Mask:	255	. 255 .	255 .	0	
> Statistics	Default Gateway IP Address:	192	. 168 .	7.	254	
<u>Σ Securitγ Settings</u>	Domain Name Server 1:	0	. 0.	0.	0	
Connection Log	Domain Name Server 2:	0	. 0.	0.	0	
<mark>▶ Time Settings</mark>	Domain Name Server 3:	0	. 0.	0.	0	
▶ UPnP	C PPTP Client					

To save your settings, click **Apply**. The **basic configuration** process is now complete.

3. Optional Router Settings.

Changing the router password.

Once the **basic configuration** has been completed, we strongly recommend that you **change the standard password** with which you **log onto** the **router**. To **change the password**, proceed as follows:

Log on to the router as described above. Select **Device Admin** in the **left navigation field**.

In the **old password** entry: enter the old password, for example: **admin** and enter your new password in the **New Password** field. As a precaution, your new password must be re-entered in the **Password Confirm** field to avoid typing errors.

Keep your new password; you need it each time you wish to log onto the router again.

To save your configuration, click **Apply**.

Note:

Should you forget your password in the meantime, the router must be reset to the factory settings so that all settings made up to this point are deleted. Using a pen or a bent paper clip, **press Reset** at

the back of the router for **approximately 5 seconds**. The router deletes all **the old entries** and is **reset to the factory settings**.

Blocking websites

If you wish to **prohibit or allow** access to **specific Internet pages** for the computers connected to the router, you can set the pages as follows.

Log on to the router as described above.

Select URL Access in the left navigation field. The following window opens:

	URL Access Settings
 Basic Setup DHCP Settings URL Access Access Control Virtual Server DMZ Host Device Admin Status Monitor RIP 	URL Access Limit © Enable © Disable Website Access : © Allow © Block URL Address : ADD
 Static Routing Dynamic DNS Special Application Statistics Security Settings Connection Log Time Settings UPnP 	Current URL List Site 1 www.irgendwer.de Delete

URL Access Limit: enable, this allows you to allow or block access to specific websites.

Website Access: You can select block or allow

URL Address:Enter the website address that you wish to block or allow. For example:
www.someone.de, then click ADD. Click BACK to enter additional websites,
a maximum of 10 websites are allowed. Then click Apply to save the list
permanently.

Port Forwarding:

Some applications require **special connections** such as online computer games, video conferencing software, peer-to-peer software or similar items. These programs have **difficulties when used with NAT** therefore they **require special settings**.

Log on to the router as described above.

Select Special Application in the left navigation field. The following window opens:

09.6.2005

Art. Nr. 00049079

Basic Setup		Applications	Application Name		Port Range
URCP Settings		Applications	Application Name	Outgoing	Incoming
Access Control	1	Battle Net 💌	Battle Net	6112	6112
Virtual Server	2	Manual Setting 📃			
OMZ Host	3	Manual Setting 📃			
<u>Device Admin</u> Status Monitor	4	Manual Setting			
	5	Manual Setting 📃			
Static Routing	6	Manual Setting 📃			
<u>Dynamic DNS</u> Special Application	7	Manual Setting			
Statistics	8	Manual Setting			
Security Settings	9	Manual Setting 📃			
Connection Log	10	Manual Setting			

Special Applications

Select your program using the **pull-down menu** in the **Application** field. Should your program not be in the pull-down menu, select **Manual Setting**.

Application Name:	Name of your Program e.g. UT2004
Outgoing:	Enter the port or port area for the outgoing data traffic.
Incoming:	Enter the port or port area for the incoming data traffic.
To save your settings, click	Apply. The configuration process is now complete.

Updating Firmware

It is sometimes useful to **update** the router's **operating system (firmware)**. Proceed as follows to do so:

Download the **latest firmware from** <u>www.hama.de</u> and save the file to your hard drive. Log onto the router as described above and select **Device Admin** in the left navigation field. The following window opens:

2	Basic Setup		
>	DHCP Settings		
2	URL Access	Product Name:	Broadband Router
	Access Control	Version:	02.00.00.03 Firmware Upgrade
5	DMZ Host	Login Password Change:	C Yes [®] No
>	<u>Device Admin</u>	Old Password:	
2	Status Monitor	New Password:	
2		Password Confirm:	
	Static Routing	WAN MAC Change:	00 02 44 8a 28 f9
Ś	Special Application	External Admin:	© Enable © Disable(Port 8080)
2	Statistics	WAN Connection Type:	AutoSense
)	Security Settings		Reset Device Factory Defaults
2	Connection Log		
2	<u>Time Settings</u>		MAC_Clube Apply
D	VPnP		

There your **current firmware version** is displayed. In this example it is **02.00.00.03**. To update the firmware, click **Firmware Upgrade**. You are then prompted to enter the previously **downloaded file** (the file may first have to be unpacked) and then click **Upload** to load the firmware onto the router.

Caution!

Never disconnect the router from the power supply while upgrading the router, otherwise the router may no longer function and must be set in for repair. Wait until the router indicates that the firmware has been successfully updated.

Then reboot the router.

Dynamic DNS

The **dynamic DNS** assigns a **domain name** to **dynamic IP addresses** (i.e. an IP address assigned by a DHCP-capable router or server). For example, **your own FTP** server can be reached externally **via** <u>www.myftp.dyndns.org</u>, even **if you are assigned another IP address each time you dial in**.

Set the DDNS (Dynamic Domain Name Service) as follows:

Log onto the router as described above and select **Dynamic DNS** in the left navigation field. The following window opens:



Dynamic D	NS Settings
-----------	-------------



Service Provider:

This allows you to select the **DDNS services** from three providers with whom you have previously opened a corresponding account. For example, **DDNS providers** are: <u>www.dyndns.org</u>, <u>www.dtdms.org</u> or others not listed here.

User Name:

Enter your **user name** that you **received** for your **DDNS provider**.

Password:

Enter your **password** that you selected for your **DDNS provider**.

Host Name (ID):

Enter your selected **host name**. For example: myftp.dyndns.org

<u>MX:</u>

If you would like to use a **private e-mail server**, you must enter your **domain name** of the **e-mail server** here.

Wild Card:

Select **enable** or **disable** if you would like to use the **wildcard function**. The **wildcard function** allows you to use general characters in your domain name.

To save your settings, click **Apply**. The configuration process is now complete.

Firewall or Security Settings

Activating and setting the integrated firewall protects you against most hacker attempts to access your system. Proceed as follows to do so.

Log onto the router as described above and select **Security Settings** the left navigation field. The following window opens:

	Security Settings	
Dos Attack Defense	Disable C Enable (Over 0 Requests/Min)	
Hide Public IP Address	® No CYes	Apply Undo

Dos Attack Defense:

Enter the number of minutes after which the defence function against **DoS attacks** should be activated. Enter **0** to deactivate this function. When this function is activated, the router disconnects the connection if a large quantity of packages is sent in a short period of time.

Hide Public IP Address:

Select Yes if you do not want anyone using the Internet to see your IP address.

To save your settings, click Apply. The configuration process is now complete.

Show Connection Log

In case problems occur, it can be very useful to look at the router log to localize any unauthorized **external** or **internal** accesses.

Proceed as follows to do so:

Log onto the router as described above and select **Connection Log** in the left navigation field. In the next window, you can display all logs since the last time the router was restarted. Click **Reload** to update the display.

USB Printer Installation with Tool

Connect your **USB printer** using the **USB socket** at the **back** of the **DR-20 DSL/broadband router**.

On Windows 98SE and Millenium Edition (ME):

First, install the Java software from Sun that is on the enclosed CD-ROM or can be downloaded in the Internet at <u>www.java.com</u>.

Once the computer has been restarted, place the enclosed CD-ROM into the disk drive. The following window opens.

09.6.2005

Art. Nr. 00049079



Click Installing Printer Server Software. A file named Setup.exe is then copied to your Windows desktop. Switch to your Windows desktop and double-click the Setup.exe file. The installation wizard now starts. Now follow the wizard's instructions by clicking -> Next. On the following page, you must accept the License Agreement by clicking I accept the terms of the license agreement. Click -> Next so the software can be installed on your computer. Then click -> Finish. The tool installation is actually completed, but on Windows 98SE the USB connection must still be added.



Therefore, click **OK**. The connected **USB printer** must now be found. Click **Find**, select the printer that is found and click -> OK.

Add Remote Printer Serv	er Port	×	
Setting	Printer List	Find	
Printer Server IP :	Canon i350		
192.168.1.1			
Printer Name :			
Canon i350			
	ОК	Cancel	

You are now prompted if would like to restart the computer, select **Yes**, **I want to restart my Computer now**. Click -> **Finish** to close the procedure.

Once the computer has been restarted, click Start -> Settings-> Printer -> New Printer -> Next. In the next window, select local printer -> Next. You must now select your printer model and then the corresponding available connection. Select LPT1: ECP printer connection, then after clicking -> Next, the following prompt appears, do you want the printer to be the standard printer for all Windows based programs. -> Yes -> Next. The test page may not be printed out because the wrong connection is still being used -> Finish.

The connection must then be corrected. Therefore, click Start -> Settings -> Printer. Select the printer currently installed and right-click. Now, select the Properties menu item. In the Properties menu, select Details and click Add Port.

Anschluss hinzufügen	Add or Config Remote Printing Port
Wählen Sie den Typ des hinzuzufügenden Anschlusses: Netzwerk Geben Sie den Netzwerkpfad des Druckers ein: Durchsuchen Andere Klicken Sie auf den Typ des hinzuzufügenden Anschlusses: Lokaler Anschluss USB Remote print port 	Printer Server IP : Image: Control of Control o
OK Abbrechen	OK Cancel

In the port menu, select **Other** and then **USB Remote print port** -> **Ok**. The printer server configuration tool is displayed again, select **Choose printer** and click **Find**. Your printer is then found. Select this printer by clicking **OK-> OK-> Apply**.

Note:

If your **printer is not listed**, either your **driver is not current** or your printer is **not fully supported**. You can also try the installation steps described in the paragraph USB printer installation for Windows XP/2000 without Tool.

Using an **all-in-one device** via the **USB printer server** has its limitations. The device can only print, all other functions, such as scanning, sending faxes or similar tasks are not possible.

If the following window appears, perform the following instructions.

Warning Me	essage
	The printer setting is not compatible with port driver,please run <wreset.exe> as administrator first !</wreset.exe>
	<u>OK</u>

Click **Start -> Run**, enter **command** and press **Enter**. The **command prompt** now opens. Enter **wreset** and confirm with **Enter**.

For Windows XP and Windows 2000:

First, install the Java software from Sun that is on the enclosed CD-ROM or can be downloaded in the Internet at <u>www.java.com</u>.

Once the computer has been restarted, place the enclosed CD-ROM into the CD-ROM drive. The following window should be visible.



Click Installing Printer Server Software. A file named Setup.exe is then copied to your Windows desktop. Switch to your Windows desktop and double-click the Setup.exe file. The installation wizard now starts. Now follow the wizard's instructions by clicking -> Next. On the following page, you must accept the License Agreement by clicking I accept the terms of the license agreement. Click -> Next so the software can be installed on your computer and then click Finish.

The computer must now be restarted so your operating system can apply all the settings.

The printer will now be installed.

Click Start -> Control Panel -> Printers and Other Hardware. In the left navigation field, select Select a task.. Add printer -> Next. The Printer installation wizard now starts. Select local printer, the printer connected to the computer -> Next. In the next window, select Create a new port and the connection type USB Remote print port -> Next.

The subsequent installation procedure is explained in the manufacturer tool menu item.

Once **Windows** has completed the **printer installation**, the **manufacturer tool** must be configured.



Printer Server IP :	ult is your Gateway)
Printer Name :	Settings Choose Printer
	Cancel

Click **Choose Printer** to select your USB printer to be installed.

The next window should appear similar to the following screen shot:

Find remote printer Printer List : Find Canon i350	Note : Press Find button to choose printer from list ,then press OK !
Found 1 printers	OK Cancel

Click **Find** so your connected **USB printer** can be found. Afterwards, your printer should appear in the list as shown above. To complete the installation, click **OK**. You are then prompted to select the correct printer model and to install the corresponding driver. We recommend printing a test page.

Note:

If your **printer is not listed**, either your **driver is not current** or your printer is **not fully supported**. You can also try the installation steps described in the paragraph, USB printer installation for Windows XP/2000 without Tool.

Using an **all-in-one device** via the **USB printer server** has its limitations. The device can only print, all other functions, such as scanning, sending faxes or similar tasks are not possible.

If the following window appears, perform the following instructions.

09.6.2005

Art. Nr. 00049079



Make sure that you have Administrator privileges, then click Start -> Run, and enter command and press Enter. The command prompt now opens. Enter wreset and confirm with Enter.

Note:

Repeat this procedure on the other network computers upon which you would also like to use the network printer.

USB Printer Installation on Windows XP/2000 Without Tool

Requirements:

A functioning network with TCP/IP protocol Pre-installed Sun Java version 1.4.1.03 or higher. You need to have the latest printer driver

Setting up the Printer for Windows XP:

Traditional start menu: Start -> Settings -> Printers and Fax Devices -> Add Printer. XP start menu: Start -> Control Panel -> Printers and Other Hardware. Select Add printer in the select a task... field. The following window appears.

Druckerinstallations-Assistent		
Lokaler Drucker oder Netzwerk Sie müssen angeben, welcher Druckertyp eingerichtet werden soll.		
Wählen Sie die Option für den gewünschten Drucker aus:		
Okaler Drucker, der an den Computer angeschlossen ist		
Plug & Play-Drucker automatisch ermitteln und installieren		
Netzwerkdrucker oder Drucker, der an einen anderen Computer angeschlossen ist		
Verwenden Sie die Option "Lokaler Drucker", um einen Netzwerkdrucker einzurichten, der nicht an einen Druckserver angeschlossen ist.		
<zurück weiter=""> Abbrechen</zurück>		

Only select the option as displayed above and click Next.

ruckeranschluss auswählen Computer verwenden Anschlüsse für o	len Datenaustausch mit Druckern.
Wählen Sie den Anschluss für den Dru ist, können Sie einen neuen Anschluss	ucker aus. Wenn der Anschluss nicht aufgeführt s erstellen.
O Folgenden Anschluss verwenden:	LPT1: (Empfohlener Druckeranschluss)
diesen Anschluss sollte etwa so au	
© Einen neuen Anschluss erstellen:	Standard TCP/IP Port

Select Create a new port and the connection type Standard TCP/IP Port. Then click Next.

Assistent zum Hinzufügen eines	s Standard-TCP/IP-Druckerports 🛛 🛛
Port hinzufügen Für welches Gerät möchten Sie (einen Port hinzufügen?
Geben Sie einen Druckernamen	oder -IP-Adresse und Portnummer für das Gerät ein.
Druckername oder -IP-Adresse:	192.168.1.1
Portname:	IP_192.168.1.1
	<zurück weiter=""> Abbrechen</zurück>

Enter your router's IP address in the **printer name or IP address** field. **By default**, this is **192.168.1.1**. Leave the default port name setting.

ssistent zum Hinzufügen eines	s Standard-TCP/IP-Druckerports 🛛 🛛 💈
Zusätzliche Portinformationen of Das Gerät konnte nicht ermittelt	erforderlich werden.
Das ermittelte Gerät hat einen unbek. 1. Das Gerät ist richtig konfiguriert. 2. Die Adresse auf der vorherigen Se	annten Typ. Überprüfen Sie Folgendes: ite ist korrekt.
Korrigieren Sie die Adresse und führe Assistenten auf der vorherigen Seite wenn Sie sicher sind, dass die Adress	n Sie eine neue Suche im Netzwerk aus, in dem Sie zum zurückkehren, oder wählen Sie einen anderen Gerätetyp, se korrekt ist.
Gerätetyp	
Standard PRINTSERVER	
O Benutzerdefiniert	Einstellungen
	<zurück weiter=""> Abbrechen</zurück>

Select **PRINTSERVER** as the **device type** as shown above. Then click **Next**.

Now, only the correct printer driver must be installed.

Note:

Repeat this procedure on the other network computers upon which you would also like to use the network printer.

Setting up the Printer for Windows 2000:

Start -> Settings -> Printers -> Add printer. The printer installation wizard now starts.

Select Create a new port and the connection type Standard TCP/IP Port. Then click Next.

Druckerinstallations-#	lssistent		
Druckeranschluss Computer verwer	auswählen nden Anschlüsse für den D	atenaustausch mit Druckern.	Ś
Wählen Sie den / ist, können Sie ei O <u>V</u> orhandenen	Anschluss für den Drucker nen neuen Anschluss erste Anschluss verwenden:	aus. Wenn der Anschluss nicht auf ellen.	igeführt
Anschluss	Beschreibung	Drucker	
LPT1: LPT2: LPT3: COM1: COM2: COM3:	Druckeranschluss Druckeranschluss Druckeranschluss Serieller Anschluss Serieller Anschluss Serieller Anschluss		 Image: A start of the start of
Hinweis: Die Kommunikatio	meisten Computer verwend on mit einem lokalen Druck	len den Anschluss LPT1: für die er.	
<u> <u> E</u>inen neuen </u>	Anschluss erstellen:		
Тур:	Standard TCP/IP	Port	
		< <u>Z</u> urück <u>W</u> eiter >	Abbrechen

Assistent zum Hinzufügen eines Sl	andard-TCP/IP-Druckerports	×
Port hinzufügen Für welches Gerät möchten Sie einen Port hinzufügen?		
Geben Sie einen Druckernamen oder IP-Adresse und Portnummer für das gewünschte Gerät ein.		
Druckername oder <u>I</u> P-Adresse:	192.168.1.1	
Portname:	IP_192.168.1.1	
	< <u>Z</u> urück <u>W</u> eiter > A	Abbrechen

Enter your router's IP address in the **printer name or IP address** field. **By default,** this is **192.168.1.1**. Leave the default port name setting.

Assistent zum Hinzufügen eines Standard-T	CP/IP-Druckerports 🛛 🗙
Zusätzliche Portinformationen erforderlic Das Gerät konnte nicht identifiziert werden.	ch 🛃
Das gefundene Gerät hat einen unbekannten T 1. Das Gerät ist richtig konfiguriert. 2. Die Adresse auf der vorherigen Seite ist korre Korrigieren Sie die Adresse und führen Sie eine i Assistenten auf der vorherigen Seite zurückkeh wenn Sie sicher sind, dass die Adresse korrekt is Gerätetyp	yp. Überprüfen Sie Folgendes: kt. neue Suche im Netzwerk aus, in dem Sie zum nren, oder wählen Sie einen anderen Gerätetyp, st.
<u>Standard</u> <u>Generic Network Card</u>	
	Einstellungen
	< <u>Z</u> urück <u>W</u> eiter > Abbrechen

Select Generic Network Card as the device type as shown above. Then click Next.

Now, only the correct printer driver must be installed.

Click **Next**, now only your printer driver should be installed. We recommend printing a test page to see if the printer responds properly.

Standard-TCP/IP-Portmonitor konfigurieren					
Porteinstellungen					
Port <u>n</u> ame:	IP_192.168.1.1				
Druckername oder <u>I</u> P-Adresse:	192.168.1.1				
Protokoll	C L <u>P</u> R				
Raw-Einstellungen Portnummer: 9100					
LPR-Einstellungen					
LPR-Bytezählung aktiviert					
Communityname: public					
SNMP- <u>G</u> eräteindex:					
	OK Abbrechen				

If you experience problems while printing the test page, open **the properties** of the **printer** and click **Configure port**. The window displayed above now opens; check that **the settings** are **identical**. Then click **OK** and try to print the test page again.

Note:

Repeat this procedure on the other network computers upon which you would also like to use the network printer.

Compatibility List of the Supported Printers (Date 04/2005)

NO.	Brand	Model NO.	NO.	Brand	Model NO.
09.	.6.2005				Art. Nr. 00049079

1	Canon	BJC-3000
2	Canon	i450
3	Canon	i470D
4	Canon	i550
5	Canon	i950
6	Canon	S400
7	Canon	S500
8	Canon	S400K
9	Canon	S100SP
10	Canon	S450
11	Compaq	IJ600
12	Compaq	IJ650
13	Epson	C41/C43UX
14	Epson	EPL5900
15	Epson	Stylus C60
16	Epson	Stylus C61
17	Epson	Stylus C62
18	Epson	Stylus C63
19	Epson	Stylus C64
20	Epson	Stylus C80
21	Epson	Stylus C83
22	Epson	Stylus CX3100
23	Epson	Stylus Color 600
24	Epson	Stylus Color 680
25	Epson	Stylus Color 740
26	Epson	Stylus Color 760
27	Epson	Stylus Color 860
28	Epson	Stylus Color 980
29	Epson	Stylus Photo 780
30	Epson	Stylus Photo 870
31	Epson	Stylus Photo 1200
32	Epson	Stylus Photo 1270
33	Epson	Stylus Photo 1290
34	HP	DeskJet 648C

35	HP	DeskJet 656C					
36	HP	DeskJet 815C					
37	HP	DeskJet 840C					
38	HP	DeskJet 842C					
39	HP	DeskJet 843C					
40	HP	DeskJet 845C					
41	HP	DeskJet 895C					
42	HP	DeskJet 940					
43	HP	Deskjet 970Cse					
44	HP	DeskJet 1220C					
45	HP	DeskJet 3420					
46	HP	DeskJet 3325					
47	HP	DeskJet 3535					
48	HP	DeskJet 3550					
49	HP	DeskJet 3650					
50	HP	DeskJet 5550					
51	HP	DeskJet 3820					
52	HP	LaserJet 1150					
53	HP	LaserJet 1200					
54	HP	LaserJet 2200					
55	HP	LaserJet 3310 (Printing					
		only)					
56	HP	LaserJet 3320 (Printing					
F7		only)					
57	HP	LaserJet 3330 (Printing					
59	ЦD	Unity)					
50	ПР	DSC2110 (Drinting Only)					
60	Leymark	Optra E212					
61	Lexmark						
62	Lexmark	ZZ3 Z45					
63	Lexmark	Z40 Z50					
64	Lexmark	752					
65	Sameung	Z00 ML 1210					
66	Samsung	ML 1510					
67	Samsung	ML-1710					
68	Xerov	3210					
00	VEIOV	5210					

Safety Instructions:

- Keep this device away from heaters and radiators, dust or dampness when being operated.
- Unplug the unit from the power supply before connecting it.
- Only use the supplied power unit with this product. Caution: Unsuitable power units can cause damage!

Warranty Conditions:

Hama products are of the highest quality and tested according to strict international quality standards. The warranty period begins on the day of purchase.

The warranty only applies to faults with product materials and construction and relates solely to the value of the item itself. Any damage caused as a consequence of or in relation to its usage is not

Art. Nr. 00049079

covered by the terms of this warranty. A valid sales receipt accompanied by a brief description of the nature of the fault must be presented for any claims made on the warranty. This device is packaged with great care. Freight and postage is free of charge. Any claims made on the warranty do not increase its period of validity nor result in the issue of a new guarantee.

Support Information:

If products are defective: Please visit your dealer if you have any product claims.

Internet/World Wide Web:

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

<u>Support Hotline – Hama Product Consulting:</u>

Tel. +49 (0) 9091 / 502-115 Fax +49 (0) 9091 / 502-272 E-mail: mailto:produktberatung@hama.de

<u>Postal address:</u> Hama GmbH & Co. KG

P.O. Box 80 86651 Monheim/Germany

Note on environmental protection: (Electronic Device Law for products without rechargeable batteries and batteries)

At the end of its service life, this device may not be disposed of with normal household waste, but rather must be brought to a collection point for recycling electric and electronic devices.

By recycling, reusing the materials or other forms of utilising old devices, you are making an important contribution to protecting our environment. Please consult your local government officials for the qualified disposal facility.

CE symbols and crossed out waste containers!