INSTALLATION GUIDE FOR THE SONY NETWORK MEDIA RECEIVER

Welcome to the Sony Home Server world!

This guide to installing the **Network Media Receiver** aims to clearly and effectively explain how to create your Home Network, letting you share the multimedia content stored on your Personal Computer with other products from the vast world of Sony.

This will allow you to experience technology in a way that suits your needs best, anywhere in the house you want to do it, and above all with no wires restricting position or movement.

Your VAIO computer is provided with all the accessories you need to enjoy this extraordinary experience:

The Network Media Receiver (PCNA-MR10A) makes it possible to share PC data content with audio/video devices in other parts of your home. The Wireless LAN Converter (PCWA-DE30), together with the Wireless LAN PC Card (PCWA-C300S), makes it possible to use the Network Media Receiver without any cables hampering you and restricting you, really bringing multimedia into your daily life.

Notes:

This guide does not substitute the printed documentation in the computer package. Therefore, to get the most out of the product, we recommend you read the documentation on the provided Network Media Receiver CD-ROM.

This installation procedure applies to a computer that has just been purchased, therefore without any additional software applications installed by the end user.

If you have any problems after purchase, contact VAIO-Link support (<u>www.vaio-link.com</u>) or phone 0870 240 2408.

Getting Started

- 1. Open the Wireless LAN package
- Connect the Network Media Receiver to the power mains (220V)
 Connect the AC adapter (PCGA-AC10V) to the DC port of the Network Media
 Receiver.
 Connect the power cable to the AC adapter and then to the wall socket.
 The Network Media Receiver can be positioned either vertically or horizontally.
- For vertical installation: insert the table support (supplied) into the Network Media Receiver.
- For horizontal installation: attach the four adhesive spacers (supplied), one at each corner.
- 3. *Set up the remote control* Put the 2 AA batteries into their compartments.
- 4. Connect the Network Media Receiver to your television or VCR Connect the A/V cable to the sockets on your TV or VCR.



- 5. Configure your Network environment
- To use the connection to the Network Media Receiver in wireless mode (without cables) with the VAIO: Go to WIRELESS SETUP create your Wireless environment.
- To connect the Network Media Receiver in Wired mode (with cable connected to the VAIO Ethernet port): Connect the Network Media Receiver as described in WIRED SETUP direct connection (by cable).

WIRELESS SETUP - create your wireless environment

1. Setting up the LAN converter PCWA-DE30

a) Connect the Wireless converter to the power unit (PCWA-AC04) with the cable supplied.

b) Plug into the power socket (220V). Then use the network cable or the crossover cable (supplied with the PCNA-MR10A) to connect the unit to the Ethernet (Network) port of your VAIO.



2. Configuring the LAN converter PCWA-DE30

a) Install the Wireless LAN converter driver from the CD-ROM supplied with the PCWA-DE30. Start the program, select the language and wait for a few seconds for it to run.



The system installs the software automatically. Click Finish at the end.



b) After confirming you want to quit the program (Exit), from Start, All Programs, Wireless LAN, select the Converter Setup Utility program.





The converter home page opens. Click Advanced Setup.

Following can be done by this button: Date & Time, Indicator. Update the firmware.

Network name (SSID)	Enter a name for the Wireless LAN connection. E.g. MEDIA RECEIVER
Encryption (WEP)	Select Enable .
Key length	You can choose a length of 40-104 bits for the key. With 40 bits you can enter a password of 5 letters; if you select 104 bits you can enter a password of 13 letters.
Wep key Type	Select ASCII characters to enter an alphanumeric password.
Wep key	Enter a password of 5 or 13 characters, as required on the previous line
Wep key (confirmation)	Key in the password entered on the previous line again.
Connection mode	Select Peer to peer (ad hoc) (11g, 11b) .
Frequency (channel)	Select Auto select.

2.4GHz Wireless LAN Converter PCWA-DE30	@ ? @	SONY
	Advanced Setup	
WIRELESS Settings Help		
Network Name (SSID)	MEDIA RECEIVER	Scan
Encryption (WEP)	Enable 🖌	
Key Length	104 bits 👻	
WEP Key Type	ASCII characters	
Number of characters	13 characters	
WEP Key	•••••	
WEP Key (Confirmation)	•••••	
Connection Mode	Peer to Peer (AdHoc) (11g, 11b)	
Frequency (Channel)	Auto Select 💙	

Leave the following settings as they are:

- Network Setting: Obtain an IP address automatically (DHCP)
- **Speed**: Auto-Detect
- Quick Setup Switch: Enable
- c) Click Next.

NETWORK Settings Help	
Connection Method	
۲	Obtain an IP address automatically (DHCP)
0	Use the following IP address
IP Address	
Netmask	
Default Gateway	
DNS Server 1 DNS Server 2 DNS Server 3	. .
Speed	Auto-Detect
on and Help	
Other Settings	
Quick Setup Switch	Enable 💌
Time Server (NTP Server)	(Optional)

d) You come to a window where all the set parameters are summarized. Click **Execute Setup**.

NETWORK Settings	
Connection Method	Obtain an IP address automatically (DHCP)
DNS Server 1	
DNS Server 2	
DNS Server 3	
Speed	Auto-Detect
Other Settings	
Quick Setup Switch	Enable
Time Server (NTP Server)	
	To accept these settings, click Execute Setup To change these settings, click Back
	Back Execute Setup
	Setup Confirm

e) Click Close.



- 3. Configuring the Network Media Receiver (PCNA-MR10A)
 - a) Connect the Network Media Receiver to the TV as described in Getting Started.
 - b) Disconnect the Ethernet cable from the LAN port of the VAIO PC and plug it into the LAN port of the Network Media Receiver.



- c) Turn on the television and switch to the channel where the Network Media Receiver is tuned in.
- d) Using the remote control of the Network Media Receiver (RM-NM10E) turn on the unit (press the **POWER** button)

A main menu appears (MAIN MENU), which gives the following options:

- TV Watch and record TV programs
- VIDEO Watch video clips
- MUSIC Listen to music
- PHOTO View photos

e) Using the direction keys, select **Settings** and confirm with the **SELECT** button of the remote control.



A list of options appears:

- Device Registration
- Startup Menu
- IP Address
- Firmware Update
- Factory Default
- Device Information
- Language
- f) Select IP Address, confirming with the SELECT button.

oystem dettrigs	
Device Registration	
Startup Menu	4
IP Address	
Firmware Update	*
Factory Default	
Device Information	
Language	
Language	

g) Select Obtain an IP address automatically (not using router). Confirm with OK (pressing the SELECT button).

IP Address	
🔿 Obtain an IP address	automatically (using router)
∋ Obtain an IP address	automatically (not using router)
O Specify an IP addres	6
Current Settings: IP Address: Subnet Mask:	169 - 254 - 109 - 076 255 - 255 - 000 - 000
- Circ	Carcel

- h) To activate the changes, switch the Network Media Receiver unit off and back on again, pressing the **POWER** button on your remote control.
- 4. Configuring the Wireless LAN PC Card (PCWA-C300S)
 - a) Install the driver and the software from the CD-ROM supplied with the PCWA-C300S unit.



Wait a few seconds for it to run.

The system asks whether you are using an internal (built-in) or external CD-ROM drive.

b) Choose Built-in.



After inserting the CD-ROM, and choosing the language, the **Main Menu** appears.

c) Click Install Driver.



A subsequent message asks you to insert the PCWA-C300S card into the VAIO PC slot.

The card's driver is installed automatically.



d) Insert the PCWA-C300S PC card.

The procedure continues automatically. On completing the driver installation procedure, continue by loading the PC Card management software. e) Now, click Continue.



f) Click Install Software Utility to install the PC card software called Wireless Panel.

Easy Installation Wizard	
Wireless LAN PC Card (2.4 GHz/54 Mbps)	
Install Utility	
Click "Install Software Utility" to install the Wireless Panel.	
NOTE: Wait for the Wireless Panel Setup to launch and follow the instructio Wireless Panel does not install successfully, then see the Quick Installation	ons to install. If the n Guide on the
-39	Install Software Utility
and a	Main Menu

Wait for a few seconds for it to run.

g) Click Finish.



h) After completing the installation procedure, go back to the Main Menu.



i) Click Exit to quit the program and click Exit again to complete the installation.



The network connection icon must be displayed on the application bar. N.B. If the icon is not there, take the LAN PC Card out of its slot and put it back in again, the system warns you it has detected a new peripheral device.

- j) Click the network connection icon on the toolbar. The Local Area Connection window opens (e.g. LAN 3).
- k) Click the wireless network created beforehand.
 E.g. Available wireless networks: MEDIA RECEIVER
 Key in the network key created beforehand (with 5 or 13 characters) and confirm it.
- Now, click Connect.
 N.B. Wait for a few moments for the system to detect the changes you have just made. The system provides information on the connection status: Connected to (e.g. MEDIA RECEIVER) Signal power: EXCELLENT

To activate VAIO Media library sharing, go to **Configuring VAIO Media**.

WIRED SETUP - direct connection (by cable)

- 1. Setting up the LAN converter PCWA-DE30
- a) For a straightforward installation connect the LAN cable to Ethernet port of the VAIO (Network) and to the adapter (DLC-L122) of the Network Media Receiver. Then connect the adapter output to the Ethernet port of the Network Media Receiver.



- b) Turn on the television and switch to the channel where the Network Media Receiver.
- c) Using the remote control of the Network Media Receiver (RM-NM10E) turn on the unit (press the **POWER** button).

A main menu appears (MAIN MENU), giving you the following options:

- TV Watch and record TV programs
- VIDEO Watch video clips
- MUSIC Listen to music
- **PHOTO** View photos
- d) Using the direction keys, select **Settings** and confirm with the **SELECT** button.

	TV - Watch and record TV programs
H	VIDED - Watch video clips
UV	MUSIC - Listen to music
	PHOTO - View photos
	Setting

A list of options appears:

- Device Registration
- Startup Menu
- IP Address
- Firmware Update
- Factory Default
- Device Information
- Language
- e) Select IP Address, confirming with the SELECT button.

Device Registration	
Startup Menu	4
IP Address	
Firmware Update	4
Factory Default	
Device Information	
Language	

f) Select Obtain an IP address automatically (not using router) and confirm with OK (pressing the SELECT button).

IP ADDIESS	
🔾 Obtain an IP address	automatically (using router)
⊙ Obtain an IP address	automatically (not using router)
O Specify an IP addres	6
Current Settings: IP Address: Subnet Mask:	169 · 254 · 109 · 076 255 · 255 · 000 · 000
	A Contraction
	A Canal

g) To activate the changes, switch the Network Media Receiver unit off and back on again, pressing the **POWER** button on the remote control.

Configuring VAIO Media

- 1. Activating VAIO Media library sharing
- a) From Start, All Programs, (Media Sharing), VAIO Media, select VAIO Media Setup.



- A guide welcomes you to VAIO Media.
- b) Select Next.



The system now automatically activates the VAIO Media servers, one after another, which are:

- VAIO MEDIA MUSIC
- VAIO MEDIA PHOTO SERVER
- (VAIO MEDIA VIDEO SERVER)
- c) Select Next.

📿 VAIO Media Setup (2)	/3)	×
	Activating VAIO Media Servers	
	Your VAIO Media servers will be activated automatically.	
	Once the servers have been activated, they will automatically activate when your VAID boots up.	
	VAID Media Music Server has been activated	
	VAIO Media Photo Server has been activated	
	BACK NEXT CANCEL	

d) Select Finish.

🗘 VAIO Media Setup (3/3) 🛛 🔀
A CONTRACT OF A
You are now ready to use VAIO Media!
 Now that you have activated your VAID Media Servers, register VAID computers in your network with VAID Media Console. These VAID computers will have access to the content on your server.
- After clicking the Finish button, VAIO Media Console will be displayed for you to configure.
To access VAID Media Console anytime, click "Start" from the Windows Taskbar, select "All Programs", "VAID Media", "Server Administration"and "VAID Media Console".
 Double-click the "VAID Media" icon on your desktop anytime to enjoy your video, music, photo or television content.
 If the Internet Connection Firewall is enabled on your computer, the settings need to be changed in VAIO Media Console by selecting the "Other" tab and checking the box, "Open the port to grant other devices on the network access to the server".
BACK

e) From the VAIO Media Console window, select Access control settings.

📿 VAIO Media Console			×
Start and Stop the Servers Access Control Se Start and Stop the Servers Start and stop the servers installed on this When the computer has finished rebooting The inactive servers will not start, even if the Status of the Servers:	ettings ICF Settings computer. j, the active servers wi he computer has been	ill automatically start. rebooted.	
Server		Status	
VAIO Media Music Server VAIO Media Photo Server		Started Started	
	Start	Stop	
	Start All	Stop All	
Version		Close	

- f) Select Access the computer from other peripheral devices connected to the network.
- g) Now go ahead and register the device: A message is displayed:



Warning # # # .

- h) Click OK.
- Now go ahead and register the Network Media Receiver unit; Go back to the television. Using the remote control of the Network Media Receiver unit (RM-NM10E), from the Main Menu, select Settings (confirming with the SELECT button).
- j) Select System Settings (confirming with the SELECT button).
- k) From the menu, select **Device Registration** (confirming with the **SELECT** button).

A page appears, warning you that an authentication request will be sent to the server (VAIO Desktop) so you can access first the network previously created and then share the VAIO Media servers.

- Select OK (confirming with the SELECT button). At the same time, on the window left open on the PC, click Register and deselect the box Use the confirmation number to register the peripheral device.
- m) Click Start registration.

A message tells you it is ready to add the peripheral Network Media Receiver to the system.

- n) Click Yes (to confirm registration).
- close the VAIO Media Console window. The server restarts to activate your changes.

p) On the TV, with the SELECT button, confirm the registration by selecting OK.

Configuring Giga Pocket

1. Check you have connected the antenna cable to the VAIO Desktop. From Start, All Programs, (Video/TV), Giga Pocket, select Giga Pocket.

You now enter the TV Setting program guide.

- 2. The system allows you to choose a standard. Your current television system is automatically highlighted (PAL standard).
- 3. Select Next.

The software automatically saves all the television channels it is able to receive via the TV tuner built into the VAIO.

TV Setup - Monitor	📆 TV Setup Wizard	×
	Customize the Channel picture on the monitor w Channel jist : Channel number	Isting. By clicking on any channel in the list, you can verify the window.
	Giga Pocket TV Setu Autotuning [61.75 N	IP (Hz] Cancel
	4]Þ
		< <u>B</u> ack <u>N</u> ext > Cancel Help

- 4. At the end of this process we can customize the list of channels. By clicking on a channel in the list it is possible to view the picture on the screen. It is recommended that you remove channels you do not want from the list.
- 5. Select **Next** to continue.

TV Setup - Monitor	*	TV Setup Wizar	d		×
		Customize the Chan picture on the monit	nel listing. By clickin or window.	g on any channel in the	list, you can verify the
		Channel number	Channel name	Broadcast Loca	
✓ Muting		1 2 3 4 5 6 7 7 8 9 10 11 12 13 11 14 15 16 17 18 19 20 21 22 23 22 24 22 23 22 24 25 4	1 2 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	Belgium (PAL B Belgium (PAL B) Belgium (PAL B)	Add Select channel to modify and click on the "Modify" or "Delete" button.
			< <u>B</u> ack	<u>N</u> ext > Can	icel Help

To use the multimedia content offered by Giga Pocket, you need to create a password on the computer. Once this is set, select **Finish**.

Giga Pocket is now set up for use.

Using VAIO Media with the Network Media Receiver

- 1. To view multimedia content from your computer on your television, press the **RETURN** button on the remote control (RM-NM10E) to go back to the first page of the Network Media Receiver (**MAIN MENU**), which offers these options:
 - TV Watch and record TV programs
 - VIDEO Watch video clips
 - MUSIC Listen to music
 - PHOTO View photos

E.g. To view TV programs on the television simply use the remote control to select the option TV - Watch and record TV programs.

The system searches the network to access the available servers: the TV displays the name of the server detected as **NEW**.

- 2. Select the required server with the **SELECT** button. You have 3 options:
 - Return: you go back to the previous screen.
 - **Connect**: for connecting to the Server.
 - Delete from list: deletes the server from the list.
- 3. Select the option **Connect**. The Network Media Receiver tries to connect to the VAIO computer.

Registering a client with VAIO Media

So far we have examined how to use the Network Media Receiver solely in combination with the television and server (PC VAIO). It is, however, possible to add another VAIO computer to the wireless network, provided it is equipped with Wireless Lan 802.11b/g technology and VAIO Media. To do this, the first thing to do is to connect the client (new VAIO PC) to the network, which has already been created.

- Click the Wireless Network Connections icon on the toolbar. A window opens where you can select the available wireless network.
 E.g. MEDIA RECEIVER
- 2. Enter and confirm the network key. Confirm with **Connect**. The system tells us the connection has been made: **Connection to**: MEDIA RECEIVER **Signal power**: Excellent.
- 3. Select Register the client with the Server.
- From Start, All Programs, (Media Sharing), VAIO Media, select VAIO Server Registration.
 A window opens where you can register the Client with the Server.
- 5. Select Start.
- 6. Immediately afterwards, run the VAIO Media Setup program on the server,: repeat the procedure described in **Configuring VAIO Media**, followed by step 3, entering **Access control settings**.
- 7. Select Peripheral device registration is not necessary in a protected environment.
- 8. Then select the Register button.
- 9. Immediately afterwards select the **Start Registration** button. This sets off the registration request. The system tells us it is ready to add a new peripheral device: **Add the peripheral device?**

🗘 VAIO Media Console	×
Start and Stop the Servers Access Control Settings ICF Settings	
Please check this option and configure the following setup to grant access to the devices on your network.	
\overline{ullet} Access this computer from other devices connected to the network	
CAccess Control Settings	
 Register devices accessing this computer (recommended) 	
You can access this computer only from the devices in the List of Registered Devices box.	
Device registration is not needed in a secure network environment	
You can access this computer from all devices on your network without device registration. Please select this options only if you are on a secure network.	
Register and Delete the Devices You can register and delete the devices accessing this computer. List of Registered Devices:	
Device Registered Date Hardware Address	
Register Delete	
Version Close	

- 10. Confirm with **Yes**. Then close the **VAIO Media** window on the Server by clicking **Close**.
- 11. Repeat the same process on the Client computer.
- 12. Click Close.

Now you access the multimedia content on the Server from the Client too. From **Start**, **All Programs**, (**Media Sharing**), **VAIO Media**, select **VAIO Media Setup**.

You see a similar window to the one the Network Media Receiver shows on the television. You can choose from:

- TV
- VIDEO
- MUSIC
- PHOTO

	Main Menu		A CONTRACTOR OF
8	Per M	fusic	Play music
	A , P	hoto	View photos
	9,1	ideo	Watch video
	D , 1	v	Watch TV

If you select **MUSIC**, for instance, the Client sends the request to the Server and the Server responds accordingly.

N.B. When using Wireless 802.11b technology it is possible to share only the content of photos and music on your VAIO.