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 (www.vaio-link.com)
or phone 0870 240 2408.

Getting Started

1. *Open the Wireless LAN package*

2. *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.
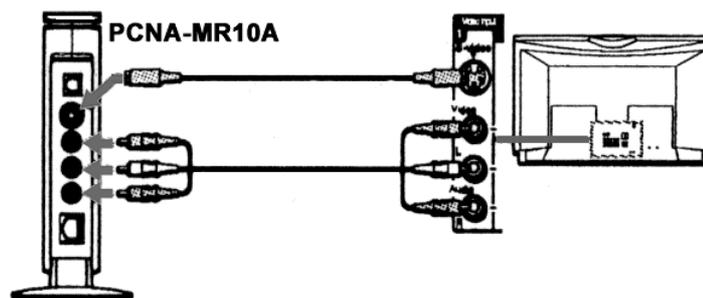
5. *Configure your Network environment*
   - To use the connection to the Network Media Receiver in wireless mode (without cables) with the VAIO: Go to **WIRELESS SETUP - create your Wireless environment**.
   - To connect the Network Media Receiver in Wired mode (with cable connected to the VAIO Ethernet 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.
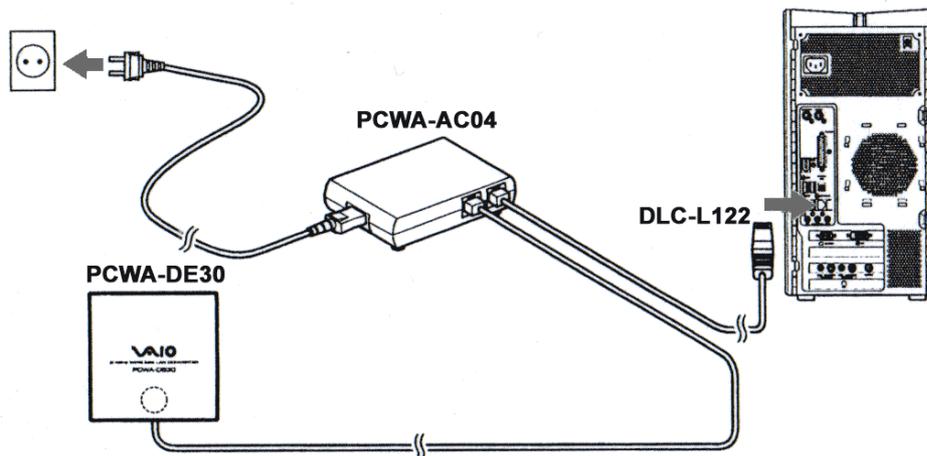
2. *Configuring the LAN converter PCWA-DE30*

   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.
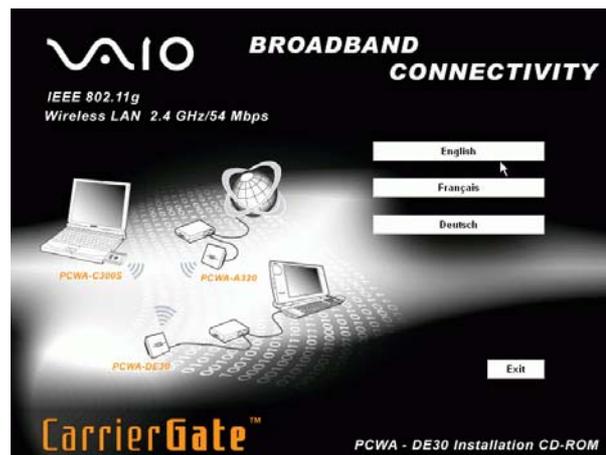
The system installs the software automatically. Click **Finish** at the end.
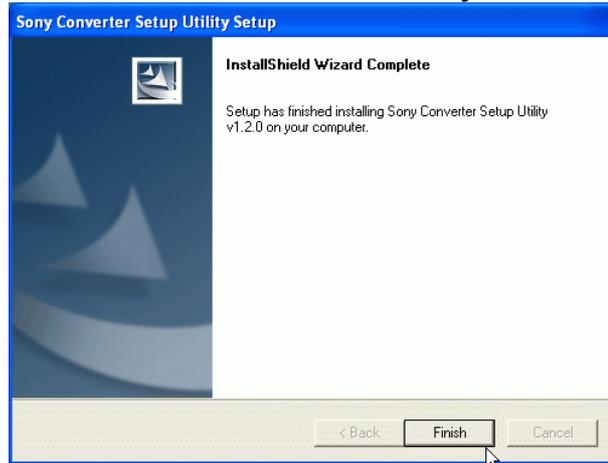
b) After confirming you want to quit the program (**Exit**), from **Start**, **All Programs**, **Wireless LAN**, select the **Converter Setup Utility** program.
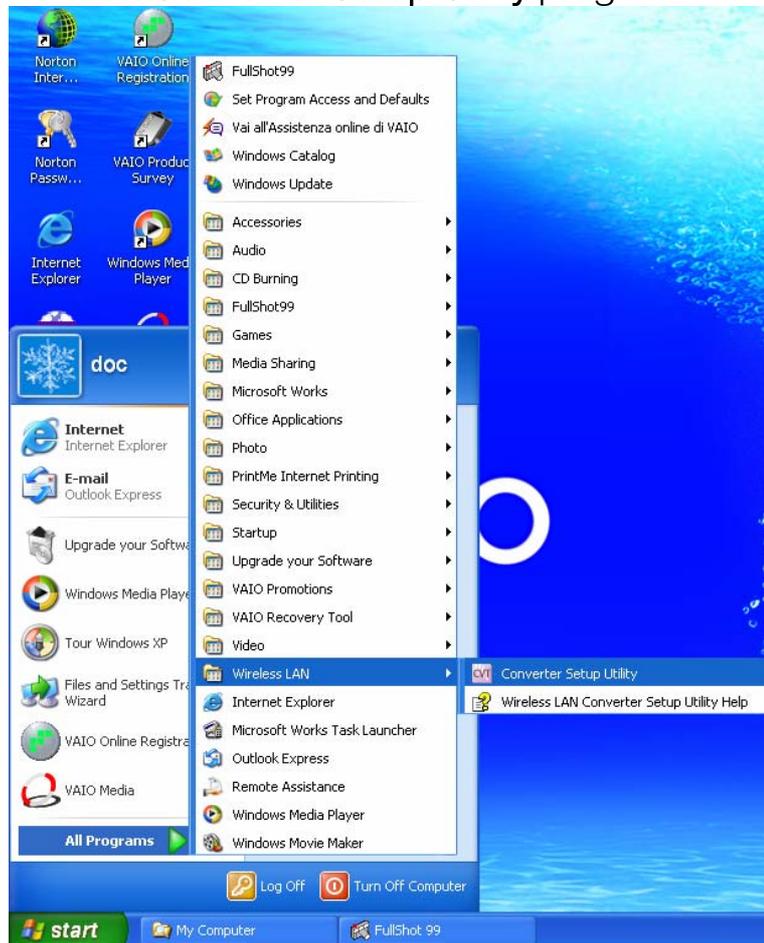
The converter home page opens. Click **Advanced Setup**.

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**.

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

⦿ Obtain an IP address automatically (DHCP)

◯ Use the following IP address

IP Address ___.___.___.___
Netmask ___.___.___.___
Default Gateway ___.___.___.___

DNS Server 1 ___.___.___.___ (Optional)
DNS Server 2 ___.___.___.___ (Optional)
DNS Server 3 ___.___.___.___ (Optional)

Speed [Auto-Detect ▼]

Other Settings *Help*

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]

● ──→ ◯ ──→ Exit
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.
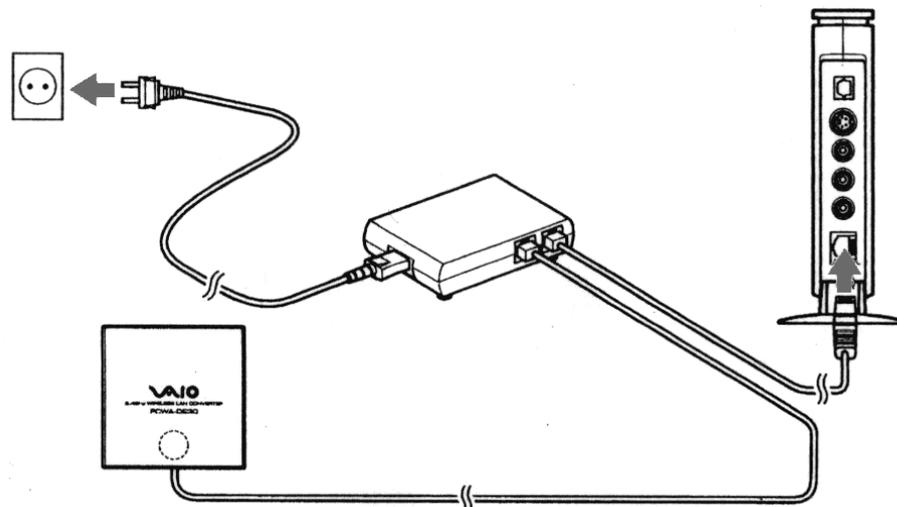
c) Turn on the television and switch to the channel where the Network Media Receiver is tuned in.

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.

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

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**.
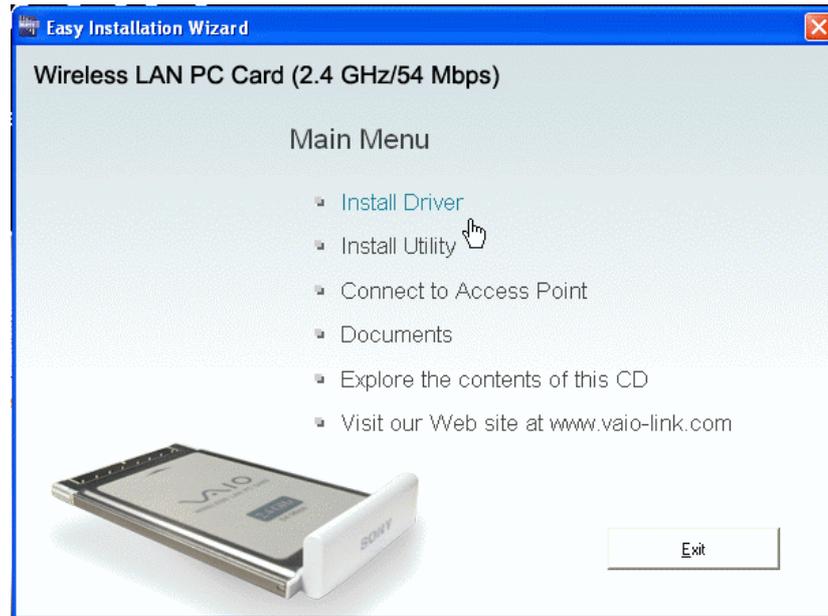
A subsequent message asks you to insert the PCWA-C300S card into the VAIO PC slot.
The card's driver is installed automatically.

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**.

Wait for a few seconds for it to run.

g) Click **Finish**.
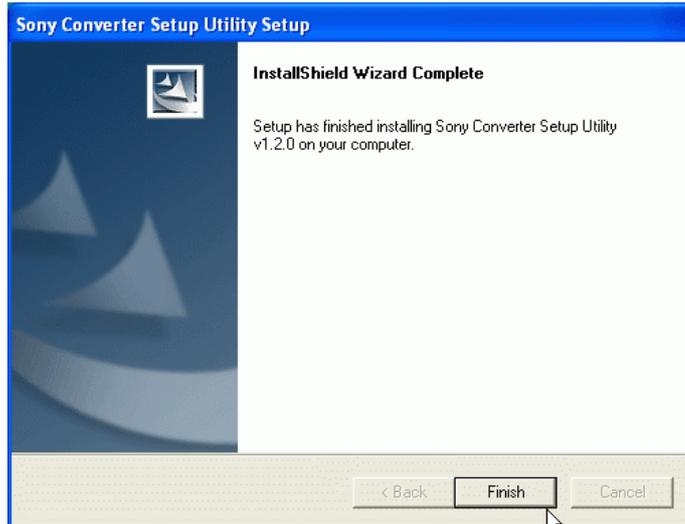
h) After completing the installation procedure, go back to the **Main Menu**.

i) Click **Exit** to quit the program and click **Exit** again to complete the installation.
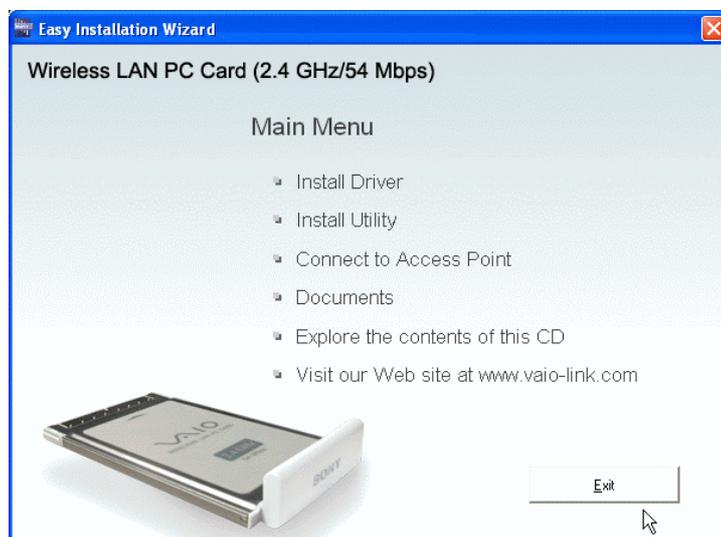
The network connection icon must be displayed on the application bar.
N.B. If the icon is not there, take the LAN PC Card out of its slot and put it back in again, the system warns you it has detected a new peripheral device.

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.

l) 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.
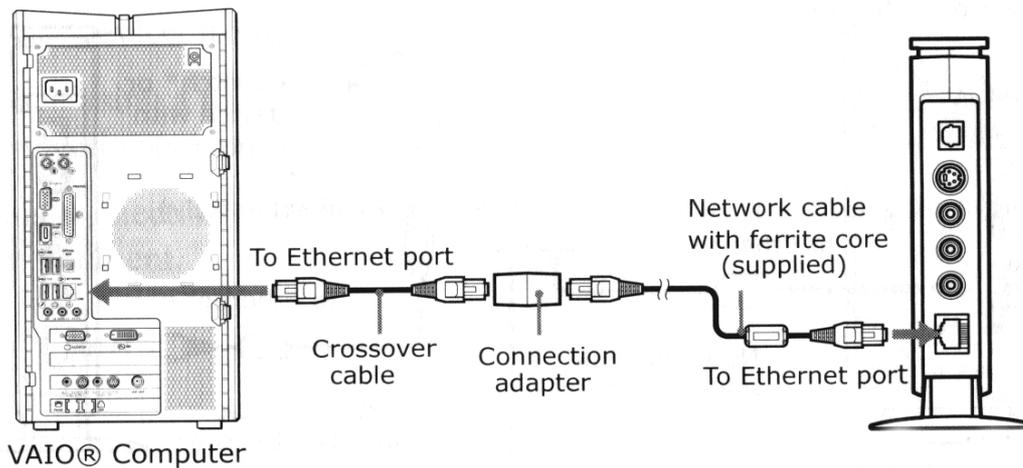
b) Turn on the television and switch to the channel where the Network Media Receiver.

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.

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.

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

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**.
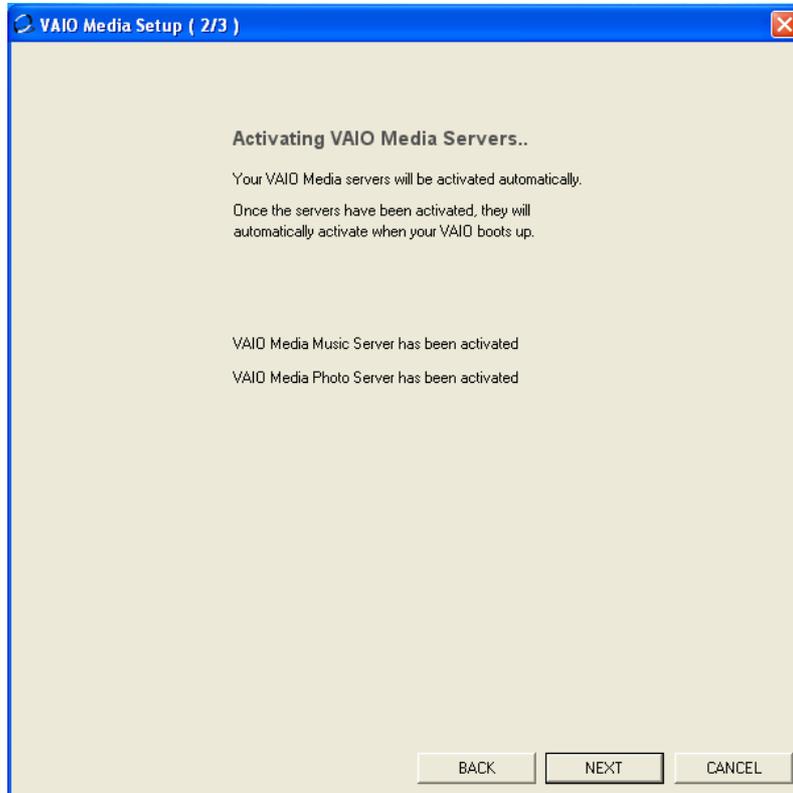
d) Select **Finish**.
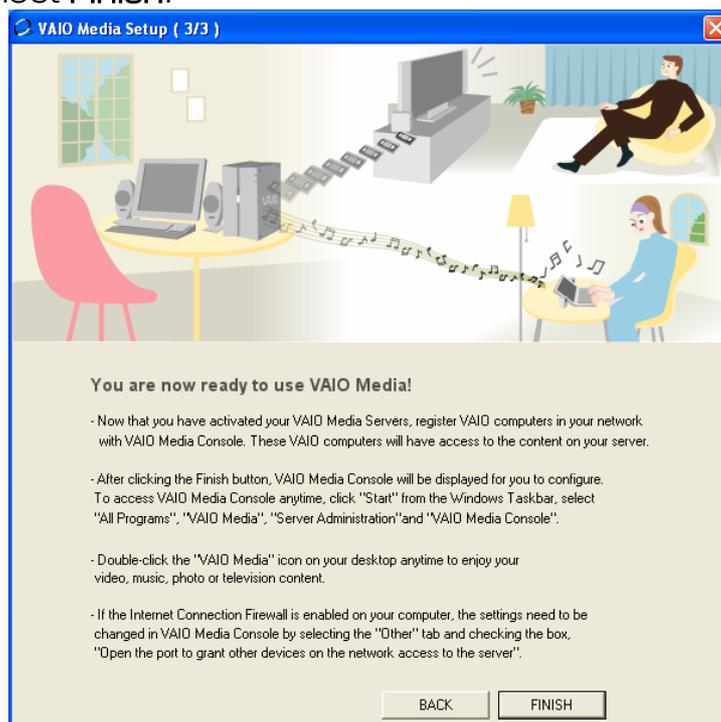
e) From the **VAIO Media Console** window, select **Access control settings**.
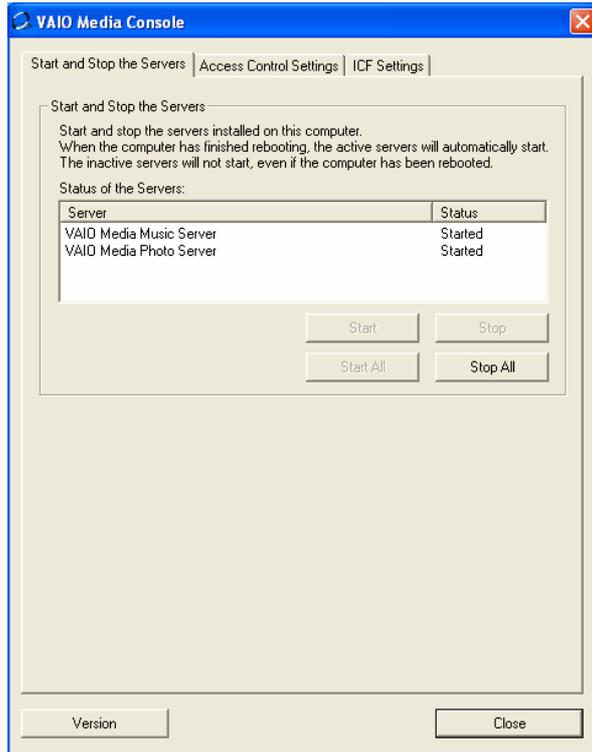
f) Select **Access the computer from other peripheral devices connected to the network**.

g) Now go ahead and register the device: A message is displayed:
Warning # # # .
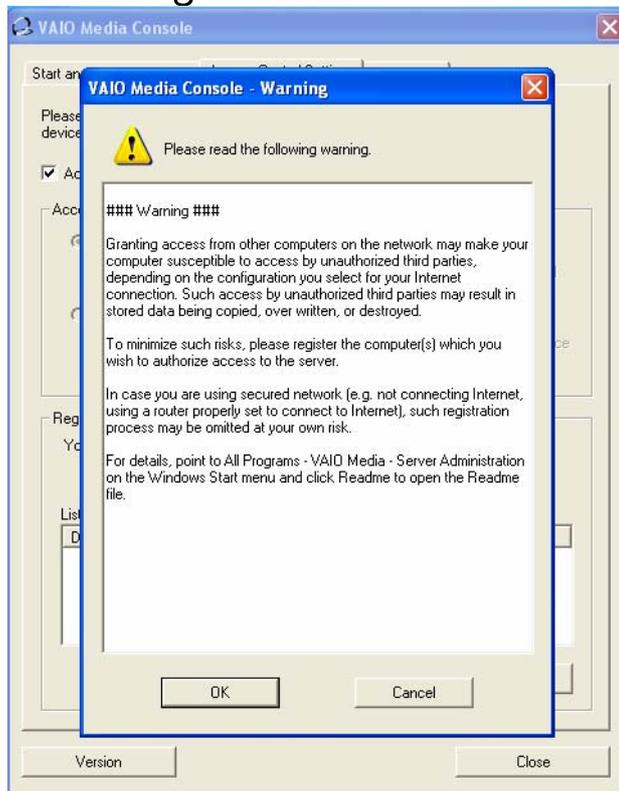
h) Click **OK**.

i) 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.

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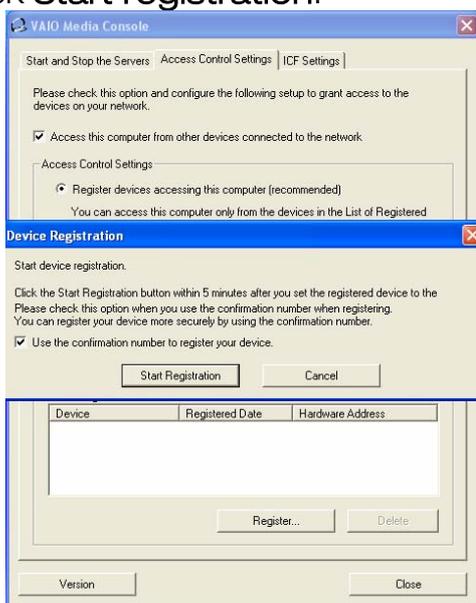
A message tells you it is ready to add the peripheral Network Media Receiver to the system.

n) Click **Yes** (to confirm registration).

o) Close the **VAIO Media Console** window. The server restarts to activate your changes.
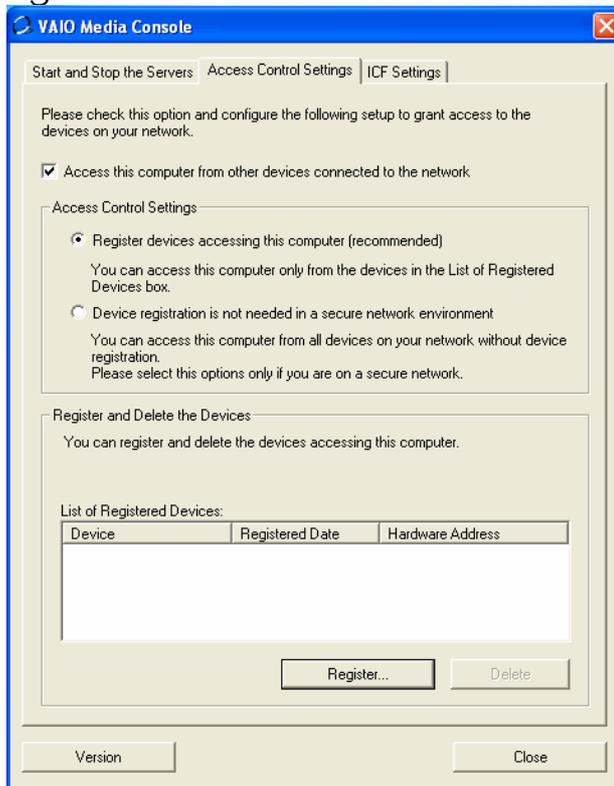
p) On the **TV**, with the **SELECT** button, confirm the registration by selecting **OK**.
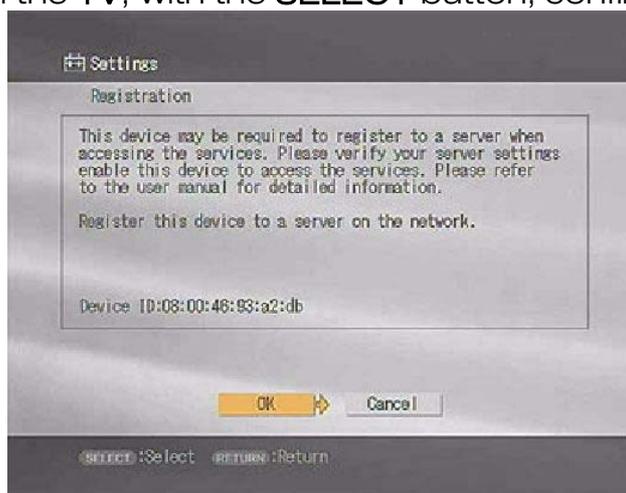
Configuring Giga Pocket

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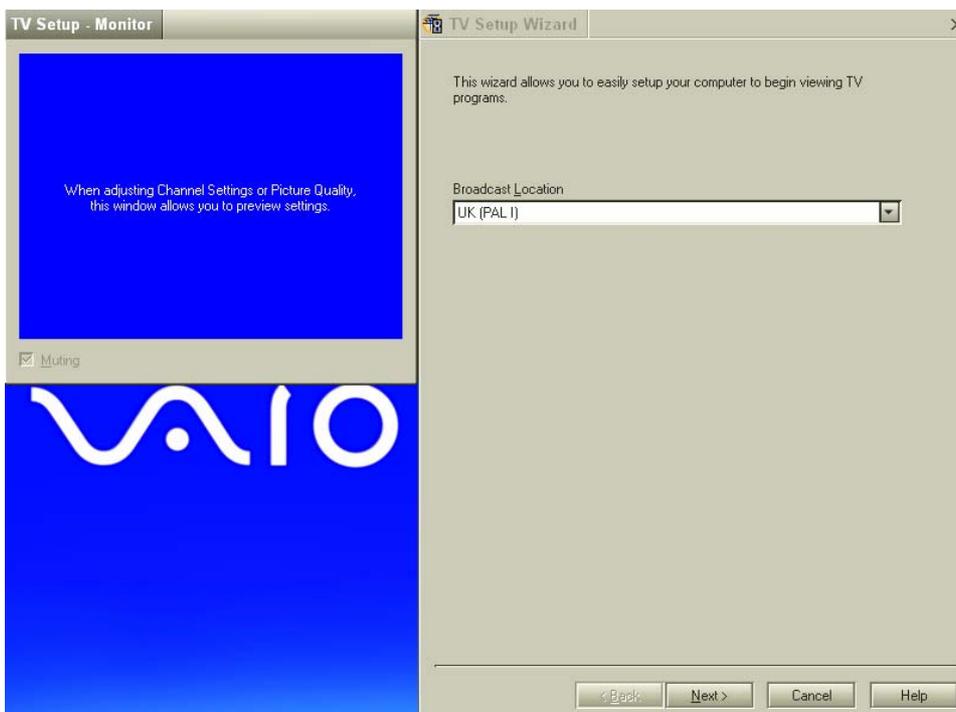
2. The system allows you to choose a standard. Your current television system is automatically highlighted (PAL standard).

3. Select **Next**.
   The software automatically saves all the television channels it is able to receive via the TV tuner built into the VAIO.
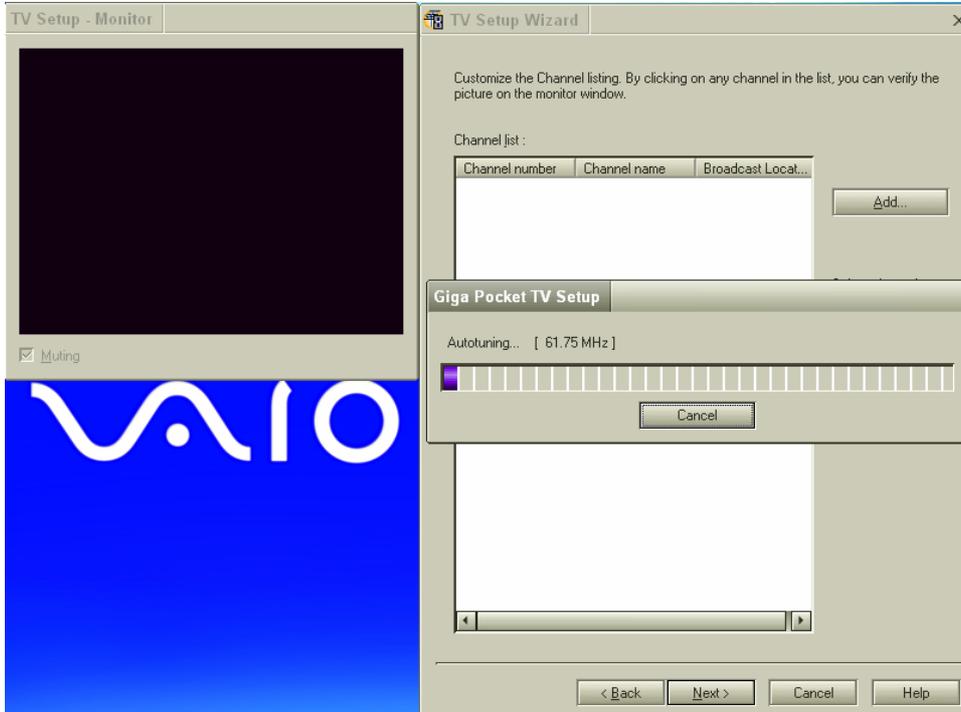
4. At the end of this process we can customize the list of channels. By clicking on a channel in the list it is possible to view the picture on the screen. It is recommended that you remove channels you do not want from the list.

5. Select **Next** to continue.
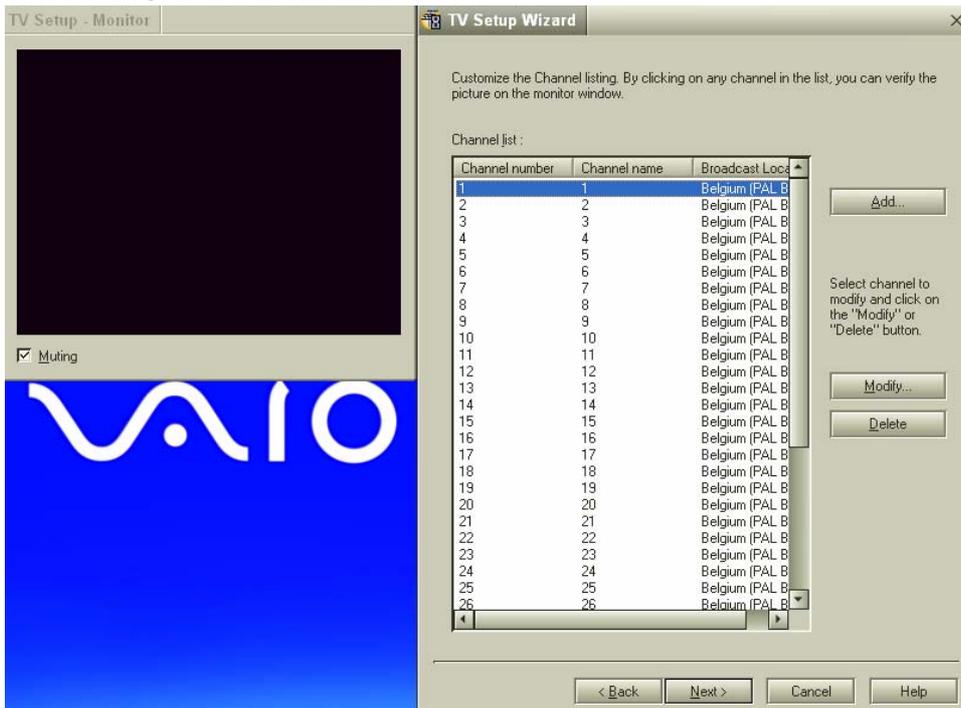
To use the multimedia content offered by Giga Pocket, you need to create a password on the computer. Once this is set, select **Finish**.
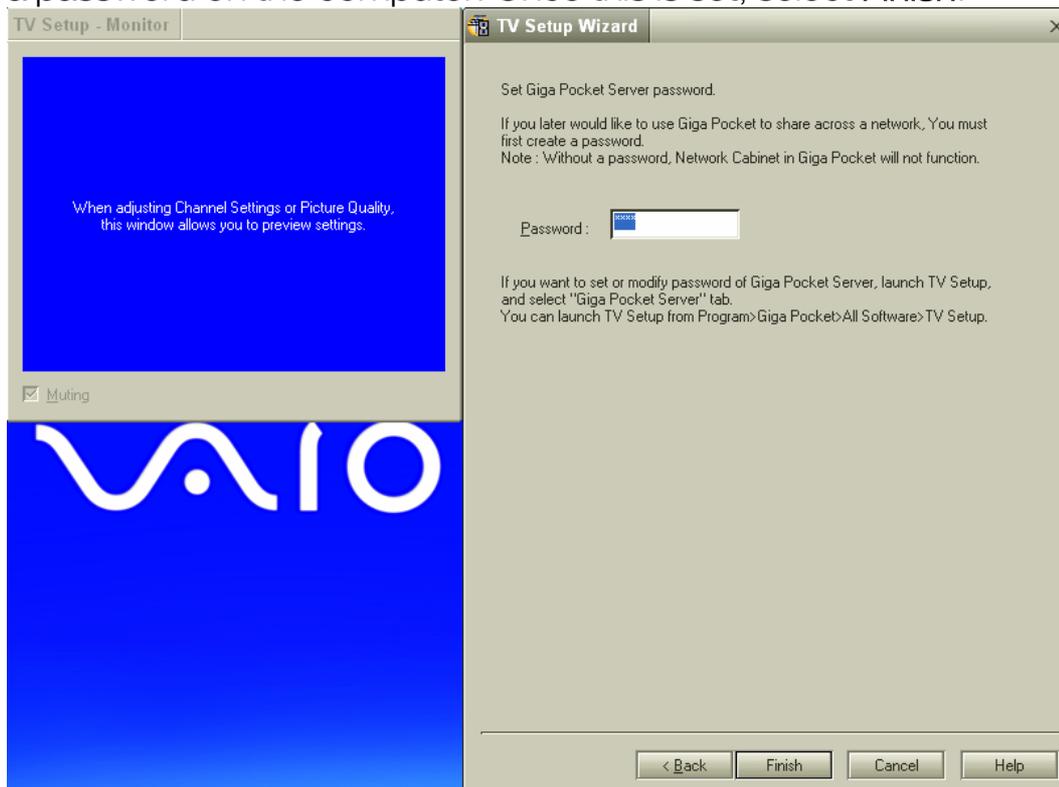
Giga Pocket is now set up for use.

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.

1. 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**.

4. 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?**
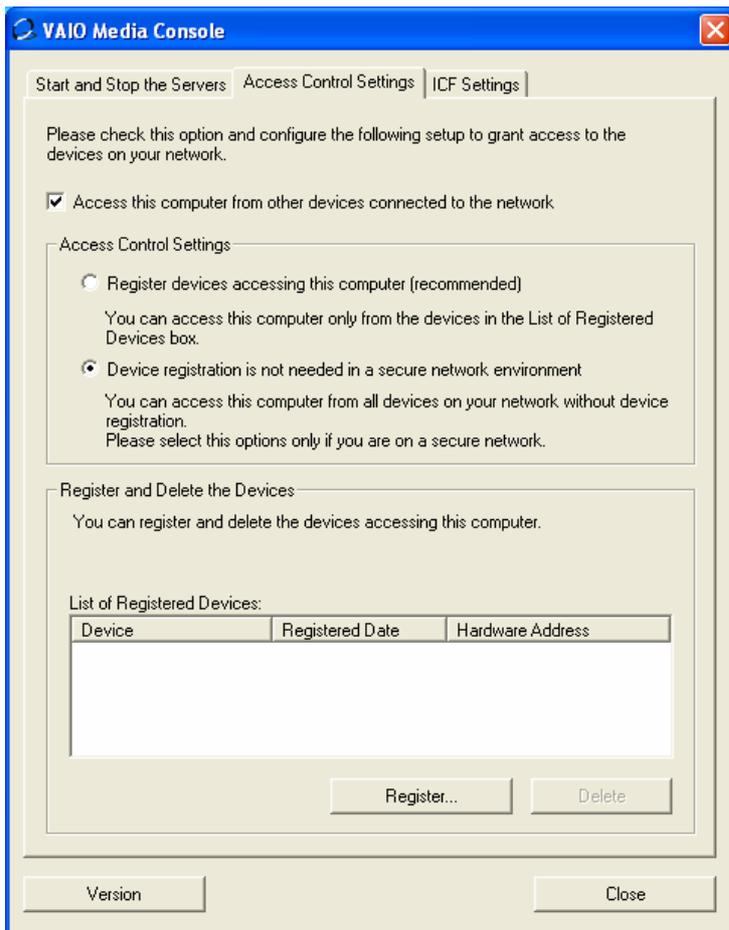
10. Confirm with **Yes**. Then close the **VAIO Media** window on the Server by clicking **Close**.

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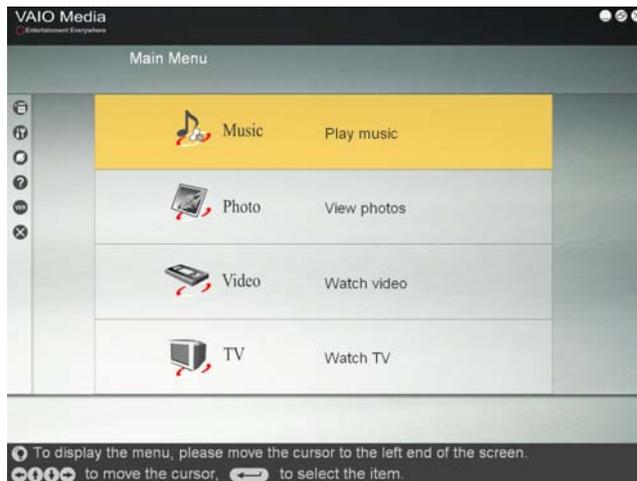
If you select **MUSIC**, for instance, the Client sends the request to the Server and the Server responds accordingly.

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