

# ***LocationFree Player***

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## **Setting and Usage Guide**

### **for PSP® (PlayStation®Portable) System**

This manual contains instructions for setting up the LocationFree Base Station for use with the PSP® system. For full details on the LocationFree Base Station, refer to the Operating Instructions document created when installing the CD-ROM supplied with the LocationFree product on your PC.



# **NET-AV**

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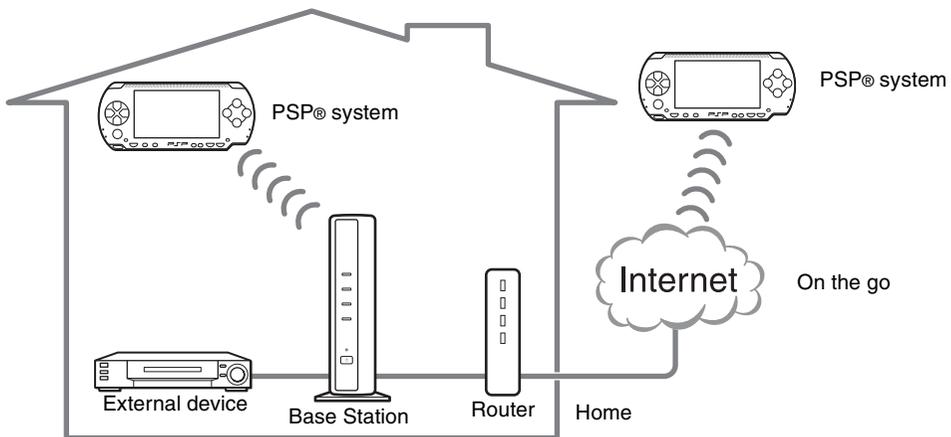


### Tip

The screenshots used in this manual are only example images.

# What Is the LocationFree Base Station?

You can watch video on the PSP® (PlayStation®Portable) system using the LocationFree Base Station. With the Base Station placed in a central room, such as your living room, you can enjoy video from anywhere in your home by using the PSP® system's wireless networking feature. You can also view the same video available in your home on your PSP® system while away from home by accessing your Base Station over the Internet.



## NetAV

NetAV is the name of the process that is used to transmit video output from the Base Station to devices such as the PSP® system. By using NetAV, you can view your home video over the Internet using a public Wireless LAN service such as a hotspot.

## Routers

A router is a type of network device that allows users to connect multiple PCs or other devices for simultaneous access to the Internet using a single Internet connection. DSL modems and other network devices often include the same functions as a router.

## UPnP

UPnP, short for "Universal Plug and Play", is a system that allows users to connect devices such as PCs and audio/video equipment to each other via a network. To access your Base Station and view video on the PSP® system from outside the home, it is recommended that you use a router that supports UPnP.

If you use a router that does not support UPnP, you will need to enter advanced settings for the Base Station and the LocationFree Player (see page 19, see page 21). To determine whether your router is UPnP compatible, refer to the instructions supplied with your router.

## Tips

- You cannot use NetAV when connected to the Internet via an analog phone line that uses a dial-up router or mobile phone.
- You may not be able to watch some videos, DVDs, or other media that are copyright protected with the software.
- When the power is turned on, the Base Station continuously emits a wireless signal.
- To use the NetAV function, we recommend a broadband connection with upload and download speeds of at least 300 kbps.
- NetAV cannot be used via a proxy server.

## Notes

- You must have system software version 2.70 or later on your PSP® system to be able to use the LocationFree Base Station to watch video.
- When using NetAV, the Base Station, router, and modem at home need to be left on when you are away from home so that you can connect to them via the Internet.
- Use of the NetAV function for purposes other than personal enjoyment is prohibited.

## Setting Up to Watch Video at Home

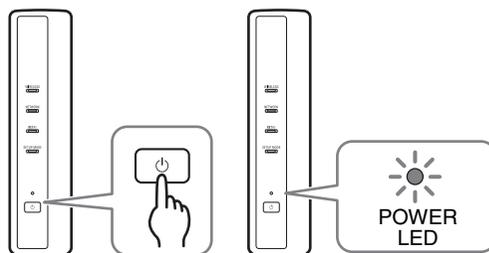
This section describes the setup for using NetAV to watch video at home.

### Turn on the Base Station

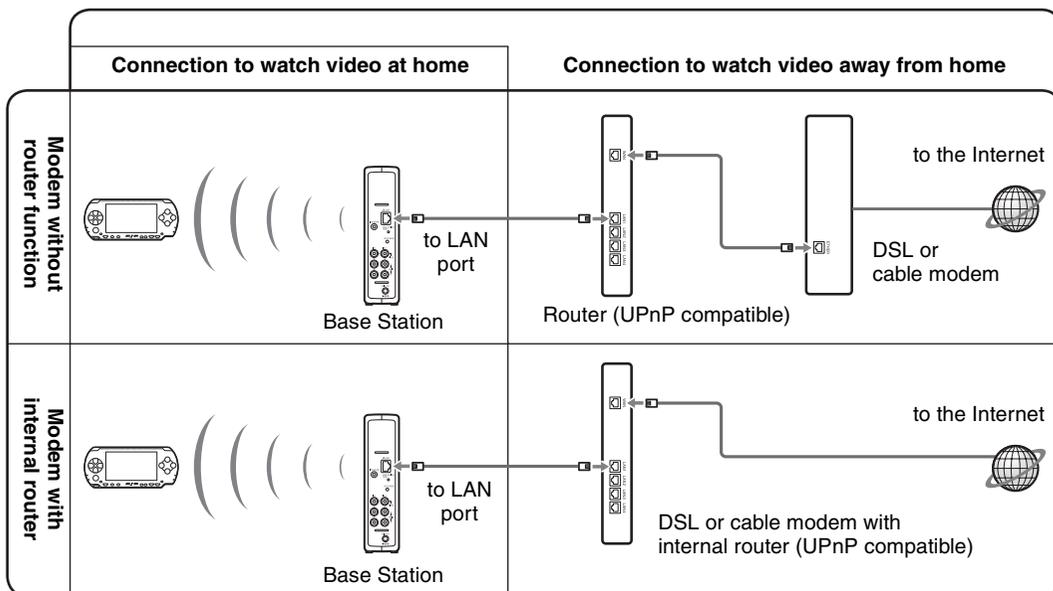
For details about preparing the Base Station for use, refer to the Operating Instructions document supplied with the Base Station.

**Press the POWER button on the front panel of the Base Station to turn it on.**

The POWER LED on the front panel of the Base Station will light up green.



### Checking the Network Setup for the Base Station



\* To determine the type of your modem, check with your Internet Service Provider.

\* UPnP: Universal Plug and Play

## Creating Basic Settings for the LocationFree Player

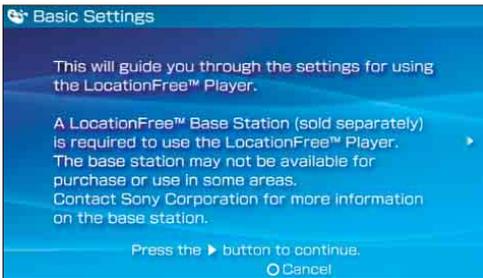
You can register your PSP® system with the Base Station and make settings for connection to a Wireless LAN.

**1 Turn on the WLAN switch of the PSP® system.**

**2 Select  under  from the Home Menu, and then press the  button.**



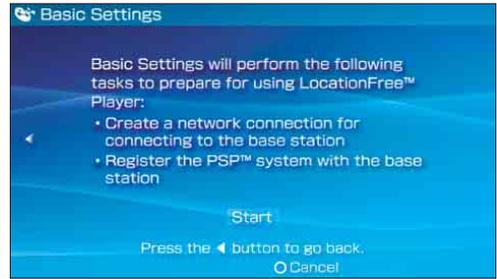
The setting screen for use of LocationFree Player is displayed. Press the right button to go to the next screen.



### Tip

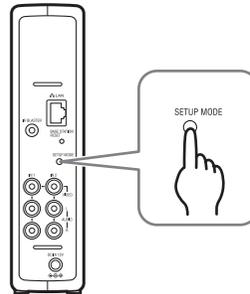
To re-register your PSP® system with the Base Station or to register your system with another Base Station, you must perform [Basic Settings] again ( page 18).

**3 Select [Start], and then press the  button.**

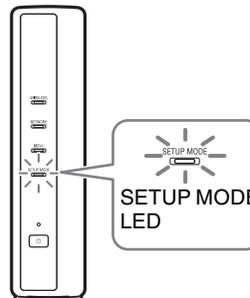


**4 Press the SETUP MODE button on the rear of the Base Station.**

With the Base Station turned on, press and hold the button until the SETUP MODE LED starts to blink.



The SETUP MODE LED blinks.



Wait while the PSP® system registers with the Base Station and the network settings required for establishing a connection are completed. This is an automatic process.

**Notes**

- Depending on the condition of the Base Station and the PSP® system, it may take a few minutes to complete the settings.
- If more than 5 minutes pass from when the SETUP MODE LED started to blink, the LED will go from blinking to fully lit and the Base Station will no longer register the PSP® system. In this case, press the SETUP MODE button on the Base Station rear again and hold the button down until the SETUP MODE LED starts to blink.

**5 Check the settings list.**

Press the (X) button to finish the settings. A network settings list is displayed.

**6 Connect to the Base Station.**

Select [LocationFree AP], and then press the (X) button.



A connection to the Base Station is established.

**7 The video screen is displayed.**

When a connection to the Base Station is established, the video screen will be displayed.



You can close the LocationFree Player by pressing the (C) button.

**Note**

Make sure that the external device is turned on. Otherwise, you may see no picture.

To control video from the PSP® system, you must first set the external device's remote control. (☞ page 16).

If you need to set the broadcast standard for video, proceed to "Setting the Video Signal Settings" (☞ page 20).

## Displaying Video on the PSP® system

You can display video on the PSP® system's screen by starting the LocationFree Player from the Home Menu.

### Connecting to the Base Station From Inside Your Home

1 Check that the Base Station is turned on.

2 Turn on the WLAN switch of the PSP® system.

3 Select  under  from the Home Menu, and then press the  button.



A list of network settings is displayed.

4 Select [LocationFree AP] from the connections list, and then press the  button.

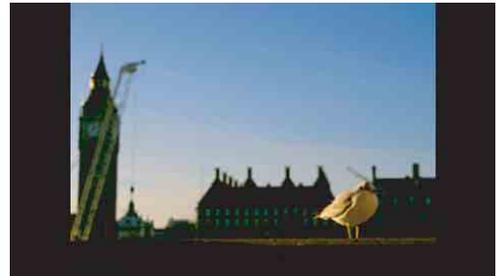
A connection is established with the Base Station.

#### Tip

You can change the name of the connection. With [LocationFree AP] highlighted, press the  button, and then select [Edit] from the options menu. Usually, you do not need to change any other items.

5 The video screen is displayed.

When a connection is established, the video screen is displayed.



#### Notes

- Make sure that the external device is turned on. Otherwise, you may see no picture.
- To control video from the PSP® system, you must first set the external device's remote control ( page 16).

### Connecting to the Base Station From Outside Your Home

You can connect to the Base Station from outside your home by using a hotspot (public Wireless LAN service) or a similar service.

#### Tip

To connect to the Base Station from outside your home, you must first create settings ( page 13).

1 Check that an access point from a public Wireless LAN service is available nearby.

Depending on the service provider, access point availability or connection method may vary.

Also, to use the public Wireless LAN service it is necessary to first complete network settings on the PSP® system. For details, refer to the instruction manual supplied with the PSP® system.

.....  
**2 Turn on the WLAN switch of the PSP® system.**

.....  
**3 Select  under  from the Home Menu, and then press the  button.**  
A list of network settings is displayed.

.....  
**4 Select a connection from the list of network connections, and then press the  button.**  
Select the connection for the public Wireless LAN service to be used.  
Connection to the Base Station over the Internet begins.

.....  
**5 The video screen is displayed.**  
When a connection is established, the video screen is displayed.



### Notes

- Make sure that the external device inside your home is turned on. Otherwise, you may see no picture.
  - To control video from the PSP® system, you must first set the external device's remote control ( page 16).
  - No connection will be established if the Base Station, router, modem and other devices are not turned on.
- .....

## Closing the LocationFree Player

.....  
**1 Press the  button during video playback.**

A confirmation screen is displayed.

.....  
**2 Select [Yes], and then press the  button.**

The LocationFree player closes.

# Using the Control Panel

## Displaying the Control Panel

### 1 Press the button during video playback.

The control panel is displayed.



### 2 Select an icon, and then press the button.

#### **Remote Control** ( page 10)

Displays the on-screen remote control for controlling video playback.

To use this function, you must first set the external device's remote control ( page 16).

#### **Screen Mode** ( page 11)

Changes the size of the image displayed on the screen.

#### **Volume Adjustment**

Allows the user to select among three volume settings for video.

#### **Audio Options**

You cannot select this option if the Base Station does not have a built-in TV tuner.

#### **Input Options**

Switches the on-screen image to Video Input.

#### **Connect**

Establishes a connection with the Base Station. Use if the connection with the Base Station is dropped while the LocationFree Player is in use.

#### **Settings** ( page 16)

Allows the user to adjust various Base Station settings.

#### **Rate** ( page 11)

Allows the user to adjust the video rate (image quality).

#### **Connection Status**

Displays the connection status of the Base Station.

#### **Display** ( page 11)

Displays information about the Video Input in use.

#### **Help**

Displays the functions that can be performed using the PSP® system buttons.

## Clearing the Control Panel

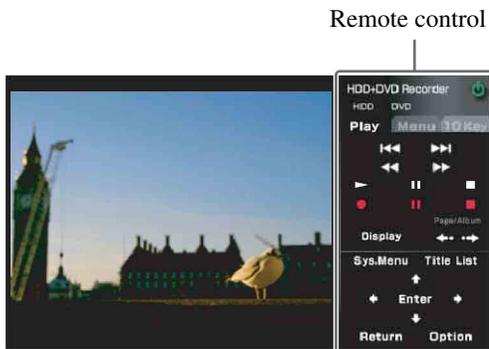
Press the  $\Delta$  button or the  $\odot$  button.

## Using the Remote Control

To use this function, you must first set the external device's remote control (☞ page 16).

- 1 Select  $\mathbb{R}$  from the control panel, and then press the  $\otimes$  button.

The on-screen remote control is displayed.



- ① Used to switch the function to be controlled by the remote control for multifunction devices such as hard disk/DVD combined video recorders.
- ② Used to turn the connected device on/off
- ③ Used to switch among control panels for connected devices with remote controls that have multiple control panels
- ④ Used to operate the connected device

## Clearing the remote control

Press the  $\oplus$  button or the  $\odot$  button.

## Using the remote control for a connected device

You can operate a video deck or DVD player that is connected to the Base Station using the on-screen remote control.

Depending on the connected device, the usage method of the remote control for the device may vary. The main functions that are commonly available on remote controls are explained below.

### Notes

- Use the same method of operation as you would with the remote control supplied with the connected device. However, buttons for features that are not available in the connected device cannot be used even if they are shown on the on-screen remote control.
- Button names as shown on the on-screen remote control may be different from the names shown on the remote control supplied with the connected device.
- When using a multifunctional connected device such as a combined Hard Disk/- or DVD player/video deck, if the function controlled by the remote control (see figure ① above) is not set correctly the remote control will not function after the connected device is turned on. In this case, switch the function controlled by the remote control to the function in use.

## Changing the Screen Mode

- 1 Select  from the control panel, and then press the **(X)** button.

Each time the **(X)** button is pressed, the Screen Mode will change as follows:

Type	Description
Zoom	The image is shown at full screen size without changing proportions, while cutting off the top and bottom or left and right areas.
Full Screen	The image is shown in the full screen size by changing proportions and zooming in horizontally and vertically.
Original	The image is shown in the original size.
Normal	The image is adjusted to fit the PSP® system's screen size.

## Adjusting the Video Rate

Adjusts so that you see an optimized image depending on network conditions.

Normally, selecting [Automatic] sets the optimal video rate in accordance with available bandwidth.

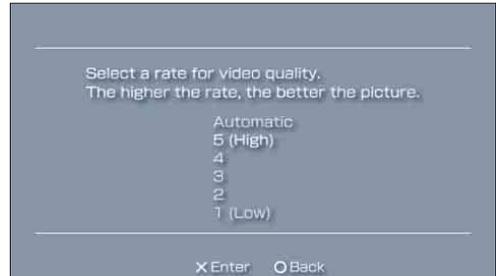
When selecting a rate manually, a higher rate (a larger number) results in better picture quality but also requires larger bandwidth. Note that insufficient bandwidth may cause the video to stop intermittently.

- 1 Select  from the control panel, and then press the **(X)** button.

The screen for selecting a rate is displayed.

- 2 Using the directional buttons, select the desired rate, and then press the **(X)** button.

The rate is changed.



### Tip

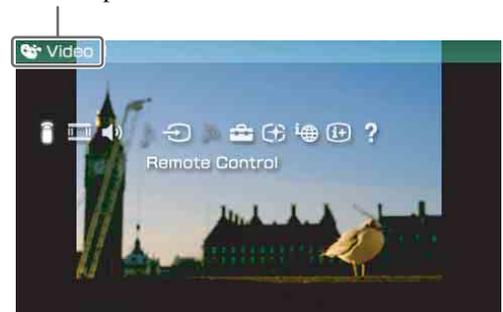
Depending on the selected rate, the network connection may drop during the cutover to the new rate.

## Displaying Information About the Video Input in Use

- 1 Select  from the control panel, and then press the **(X)** button.

Video Input is displayed.

Video Input in use



# Operating with the PSP® system Buttons

You can operate without using the control panel by using the PSP® system buttons.

System button	Function
△ button	Displays the control panel (☞ page 9)
□ button	Displays the on-screen remote control (☞ page 10)
SELECT button	Switches among available video input options
L button / R button	Changes the panel that is displayed for remote controls that have more than one panel (☞ page 10)
HOME button	Displays the Home Menu while displaying the image in the background

# Watching Video Away From Home

## Using "Easy Setup" to Watch Video Away From Home

This section explains how to set up your network to connect to your Base Station at home via public Wireless LAN networks.

### Notes

- You need to do this setup before you go out.
- A contract or application may be required to connect to the Internet at some locations.

## Checking Your Internet Connection

To watch video away from home, you must first connect the Base Station to the Internet. You can connect the Base Station to the Internet over a DSL line or cable Internet connection.

### Tips

- To use the NetAV function to watch video away from home, we recommend that the connection to the Base Station be broadband with upload and download speeds of at least 300 kbps. Contact your Internet service provider for more information about the speed of your communications line.
- The faster line speeds you use, the better picture quality you get when you watch video using NetAV.

## Connecting to the router

Using a network cable (not supplied), connect the LAN port of the Base Station to your router. (🔗 page 4)

The connection method you should use depends on your ISP and equipment. For more information, contact your ISP.

### Notes

- Depending on your Internet service provider, you may not be able to connect multiple devices, such as the Base Station and several computers. For more information, contact your service provider.
- To determine what kind of network cable to use, refer to the instructions supplied with your router, cable modem, or DSL modem.

- For details on setting up the connection, refer to the instructions supplied with your router, cable modem, or DSL modem. If you have any questions, contact your service provider.
- Further information about configurations is also available on the following website.  
LocationFree Support web site:  
<http://www.sony.net/Products/LocationFree/support/>

## Creating Settings to Watch Video Away From Home

You need to do this setup before you go out.

## Setting Up the NetAV Function

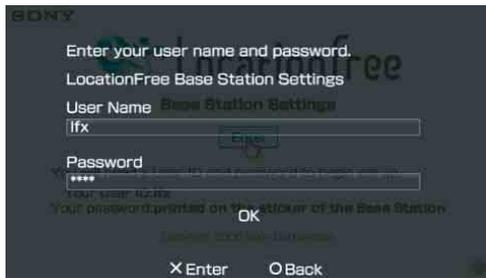
- 1 **Check that the Base Station is turned on.**
- 2 **Select  from the control panel (🔗 page 9), and then press the  button.**
- 3 **Select [Base Station Settings], and then press the  button.**  
The Internet browser is started and the Base Station Settings screen is displayed. Follow the on-screen instructions to complete the settings.
- 4 **Select [Enter], and then press the  button.**



The password input screen appears.

**5 Enter the user name and password, select [OK], and then press the (X) button.**

User name: lfx (lowercase letters)  
(The user name cannot be changed)  
Initial password: WebPassword printed on the sticker of the Base Station



The screen shown in step 6 appears when you log in to [Base Station Settings].

**6 Select [Easy Setup], and then press the (X) button.**

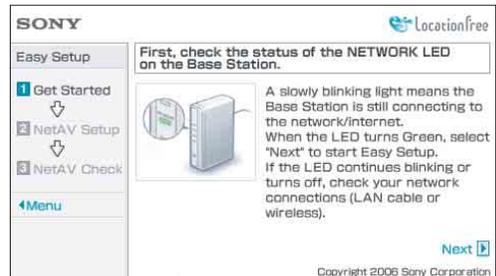


The [Easy Setup] screen appears.

**Tip**

You can change the display language on the setting display. Select the desired language button on the bottom of the display.

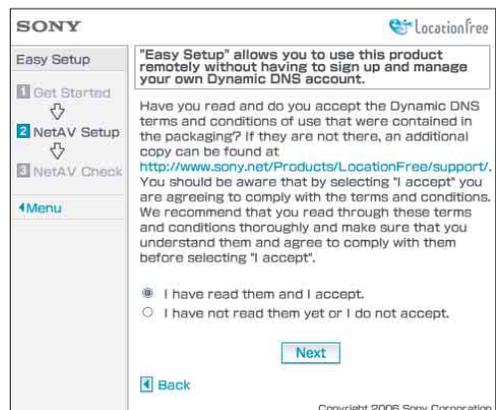
**7 Follow the on-screen instructions to confirm the NETWORK LED is turned on, select [Next], and then press the (X) button.**



**Tip**

If the NETWORK LED is off, check that the router is turned on and the network cable is connected properly.

**8 Read the "Dynamic DNS Terms of Use Agreement" included in-pack. After reading the Dynamic DNS Terms of Use Agreement, select either option, and then select [Next] and press the (X) button.**

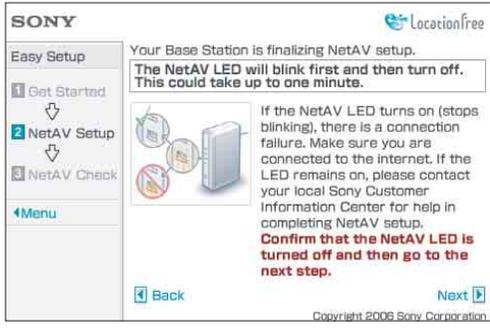


The information required for the Dynamic DNS is saved to the Base Station.

**Tip**

Dynamic DNS is one of the network services used to connect to the Base Station from outside your home. By selecting [I have read them and I accept.], you can use the Dynamic DNS service that is registered as part of the Base Station. If you will not be using this Dynamic DNS, you can change settings under [Advanced Settings] (page 19).

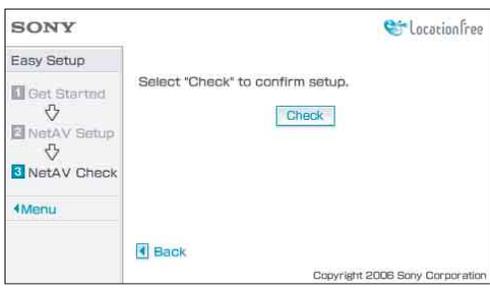
**9 Follow the on-screen instructions to wait until the NETAV LED stops blinking (amber), and then select [Next] and press the  button when the NETAV LED turns off.**



** Tips**

- The NETAV LED continues to blink for about one minute before turning off.
- If the NETAV LED turns on amber, check that the router and modem are turned on and the network cable is connected properly.
- When the NETAV LED turns green, another device is connected by NetAV. Wait until the LED turns off to perform this step.
- NetAV cannot be used via a proxy server.

**10 Select [Check], and then press the  button.**



The setup is complete if [Success] appears in the [NetAV Check] screen. If the test page does not appear, check the network connection.

**11 Select [Menu], and then press the  button.**

The display returns to the initial screen. After selecting [Exit Setup] and pressing the  button, close the browser by pressing the  button.

**If NetAV Check Is Incomplete**

Read the instructions on the NetAV Check screen and configure the necessary settings.

The Base Station needs to be set up to use the NetAV function away from home. There are two setup types: [Easy Setup] and [Advanced Setup]. [Easy Setup] requires the router to be UPnP (Universal Plug and Play) compatible and the UPnP function of the router to be enabled. Refer to the instructions supplied with your router and confirm the settings.

If your router is not UPnP compatible, you prefer not to use the UPnP function of the router, or if you tried to use the UPnP function but the setup was unsuccessful, port forwarding needs to be set on the router.

The settings for port forwarding may vary depending on the router in use. For details, refer to the instructions supplied with your router.

** Tips**

- Port forwarding is a function that allows network communications with your router to be forwarded directly to your network device (such as a PC or a PSP® system). It may also be called "Port Mapping", "Address Change" or other names. To connect to the LocationFree Base Station from outside your home using port forwarding, you must adjust the settings for the router to allow the data connection received by the router over the Internet to get through to the Base Station port (initial setting: 5021).
- It is necessary to set the Base Station's IP address to activate the port forwarding setting on the router. For details, refer to the instructions supplied with your router and "Setting up a router incompatible with the UPnP function" ( page 24).
- Some UPnP-compatible routers are only compatible with specific messenger services and games. For such a router, set port forwarding.

## Adjusting Settings for Video

### Adjusting Settings for the Remote Control of a Connected Device

You can adjust settings for the on-screen remote control that will be used to operate devices such as video decks or DVD players that are connected to the Base Station.

For example, if you have a Sony-manufactured DVD player connected to the Base Station, you can display an on-screen remote control with similar features as the remote control supplied with the Sony-manufactured DVD player, and use the on-screen remote control to operate the DVD player.

### Downloading the remote control data

To display the remote control for a connected device on the PSP® system, you must first save the data for the remote control on Memory Stick Duo™ media.

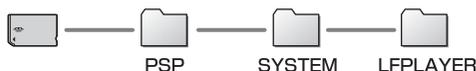
When no remote control data is on a Memory Stick Duo™, and you select  from the control panel ( page 9), the following display appears. Follow the suggestions on the display to download the remote control data through the Internet connection.



For more information on remote control data, see <http://www.sony.net/locationfree/psp/>

#### Note

Save remote control data in the following location on your Memory Stick Duo™:



When you download the remote control data through the Internet connection with the PSP® system, a data folder is created automatically.

### Setting the remote control

You can set the external device's remote control.

For information on connecting the IR blaster or other devices, refer to the Operating Instructions document supplied with the Base Station.

- 1 **Check that you have inserted Memory Stick Duo™ media that contains remote control data in the PSP® system.**
- 2 **Select  from the LocationFree Player control panel ( page 9), and then press the  button.**
- 3 **Select [Remote Control Settings], and then press the  button.**  
The setting screen for the remote control is displayed.

**4** Select [Video 1] or [Video 2] for the connected device you want to use the remote control for, and then press the **(X)** button.



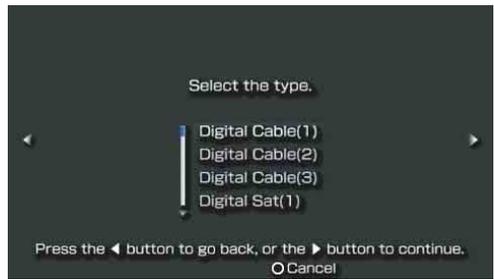
**💡 Tips**

- Under [Version Information], you can check the version number of the remote control data that is saved on the Memory Stick Duo™.
- You can set only one remote control each for [Video 1] and [Video 2] in the PSP® system. You cannot however set multiple remote controls for either setting.

**5** Select the manufacturer of the connected device, and then press the right button.



**6** Select the product type of the connected device, and then press the right button.



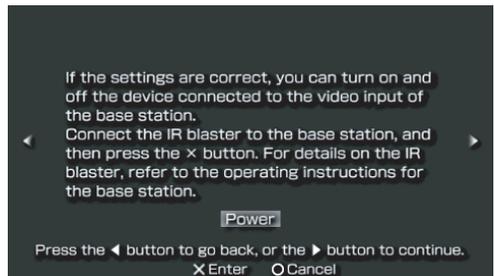
**💡 Tip**

The number shown following the product type, for example the "(1)" in "DVD Recorder (1)", indicates the remote control's mode. Select one of the remote control modes and if the remote control does not operate properly, try using the other remote control modes. For details on the remote control's mode, refer to the instructions supplied with the device in use.

**7** Test the remote control to make sure it works.

By selecting [Power] and then pressing the **(X)** button, you can turn the device on and off.

In some cases it may take as long as 5 seconds for the device to turn on after you press the **(X)** button.



**Notes**

- If you press the button several times but are not able to turn the power on and off, press the left button to return to the previous screen and check that the manufacturer and product type selections are correct.
- To perform the remote control test, the PSP® system and Base Station must have an active connection to a Wireless LAN.
- Button names as shown on the on-screen remote control may be different from the names shown on the remote control supplied with the connected device.

 **Tip**

When using a remote control to watch video, even if the power turns on and off correctly with [Power], other buttons may not be enabled. If this happens, the remote control settings may be incorrect. Adjust the settings to use the correct remote control.

After you have confirmed that the remote control is working properly, press the right button to go to the next screen.

**8 Save your settings.**

Press the (X) button to save the remote control information to the PSP® system.

**Using Basic Settings**

You can perform basic setup (☞ page 5) for use of the PSP® system's LocationFree Player feature.

- Device registration on the Base Station
- Creation of a network connection

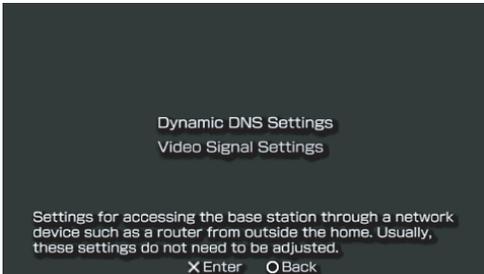
**1 Select  from the control panel (☞ page 9), and then press the (X) button.****2 Select [Basic Settings], and then press the (X) button.**

The Basic Settings screen is displayed. Follow the on-screen instructions.

# Creating Advanced Settings for the LocationFree Player

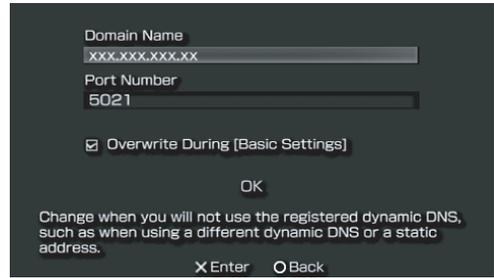
You can set the Dynamic DNS Settings and Video Signal Settings.

- 1 Select  from the control panel (Ⓞ page 9), and then press the  button.
- 2 Select [Advanced Settings], and then press the  button.  
The settings screen is displayed.
- 3 Select the desired option, and then press the  button.  
Each setting screen is displayed.



## Setting the Dynamic DNS Settings

You can set the domain name and port number for use in connecting your PSP® system to the Base Station from outside your home. Usually, you do not need to change these settings.



Once you have adjusted all necessary settings, select [OK], and then press the  button. The settings will be completed.

Item	Description
Domain Name	Sets the domain name for use when connecting to the Base Station from outside your home through a network device such as a router. Adjust the setting when using a Dynamic DNS service other than the Dynamic DNS pre-registered on the Base Station.
Port Number	Sets the port number for use when connecting to the Base Station from outside your home through a network device such as a router. Adjust the setting as necessary when using the router's port forwarding function.
Overwrite During [Basic Settings]	If selected, settings for the domain name and port number will be overwritten when the basic settings (Ⓞ page 5) are activated.

### Tip

For details on changing the settings for the Dynamic DNS and the port number for the Base Station, refer to the Operating Instructions document supplied with the Base Station.

## Setting the Video Signal Settings

You can set the broadcast standard for the video inputs of the Base Station.



Once you have adjusted all necessary settings, select [OK], and then press the (⊗) button. The settings will be completed.

After you change the Video Signal Settings, the NetAV connection will be disconnected and then it will be reconnected automatically.

## Opening the [Base Station Settings] Screen

The [Base Station Settings] screen is accessed and set from the PSP® system's Internet browser.

Open the [Advanced Setup] screen with your Internet browser to access the settings for a selected Base Station.

### Before making settings

Check that the Base Station is turned on.

## Opening the [Advanced Setup] Screen

**1** Select  from the control panel (☞ page 9), and then press the **⊗** button.

**2** Select [Base Station Settings], and then press the **⊗** button.  
The network connection is dropped and the PSP® system establishes a new connection. Follow the on-screen instructions.

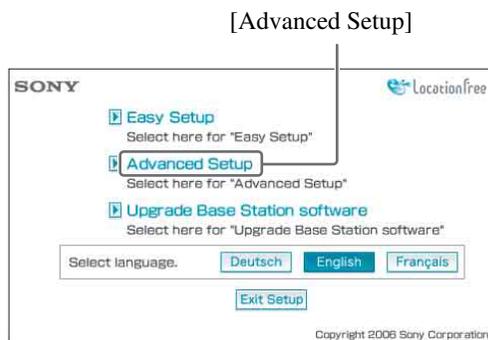
**3** Select [Enter], and then press the **⊗** button.  
The password input screen appears.

**4** Enter the user name ("lfx"; use lowercase letters) and password, select [OK], and then press the **⊗** button.  
The screen shown in step 5 appears when you log in to [Base Station Settings].

### Tip

The initial password at the time of purchase is printed on the sticker on the Base Station. The user name cannot be changed.

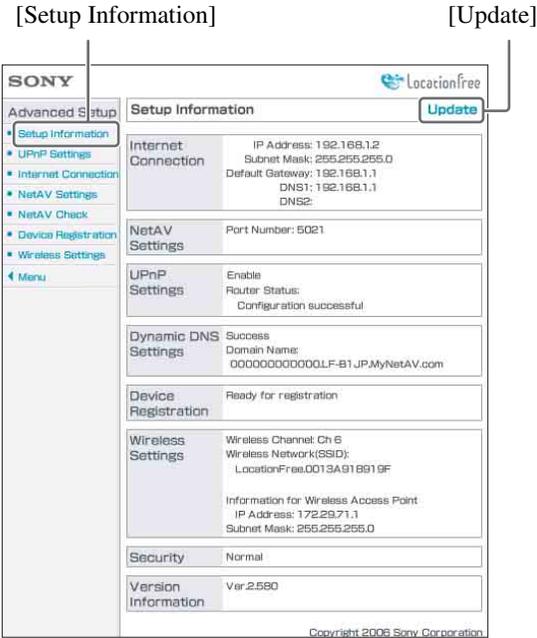
**5** Select [Advanced Setup], and then press the **⊗** button.



The [Advanced Setup] screen appears.

# Checking the Current Base Station Status

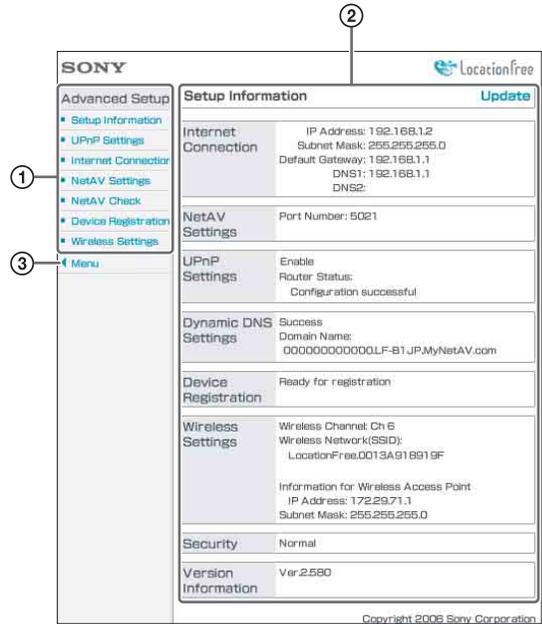
You can use the [Advanced Setup] screen to check the current settings and status of the Base Station.



To display the latest status, select [Update], and then press the (X) button.

# Basic Operations in the [Advanced Setup] Screen

This section explains the operations common to each frame in the [Advanced Setup] screen.



- ① Select the item to configure.  
The information for the selected item appears in the frame on the right.
- ② Make settings or perform operations for the selected item.
- ③ The screen will return to the first menu.

The remainder of this section explains the specific settings and operations of each frame in the [Advanced Setup] screen.

## Ending the Settings

- 1 **Select [Menu] from the settings screen, and then press the (X) button.**  
The screen returns to the first settings menu.
- 2 **Select [Exit Setup], and then press the (X) button.**  
The Base Station restarts and the settings are completed.  
Press the (O) button to close the Internet browser.

# Setting Up Your Internet Connection

To connect the Base Station to the Internet, you need to set its IP address and make DNS settings.

## Internet Connection

The [Internet Connection] frame allows you to set an IP address for your Base Station, according to your network environment. You can also check the Base Station's MAC address for the wired LAN. To determine the address to set, contact your ISP or refer to the instructions supplied with your modem or router.

The screenshot shows the 'Internet Connection' setup screen on a Sony device. The screen is titled 'SONY LocationFree' and has a sidebar menu on the left with options like 'Advanced Setup', 'Setup Information', 'UPnP Settings', 'Internet Connection', 'NetAV Settings', 'NetAV Check', 'Device Registration', 'Wireless Settings', and 'Menu'. The main content area is titled 'Internet Connection' and contains the following fields and options:

- IP Address Settings:** Radio buttons for 'Automatic IP Address Configuration(DHCP)' (selected) and 'Manual'. Callout 1 points to this section.
- IP Address:** Text input field with example 'e.g. (192.168.1.64)'. Callout 2 points to this field.
- Subnet Mask:** Text input field with example 'e.g. (255.255.255.0)'. Callout 3 points to this field.
- Default Gateway:** Text input field with example 'e.g. (192.168.1.1)'. Callout 4 points to this field.
- \* Host Name:** Text input field. Callout 5 points to this field.
- MAC Address:** Text input field with value '00:00:00:00:00:00'. Callout 6 points to this field.
- Domain Name:** Text input field with note '(\*) Enter if necessary.'. Callout 7 points to this field.
- DNS Configuration:** Radio buttons for 'Auto' (selected) and 'Manual'. Callout 8 points to this section.
- DNS1:** Text input field with example 'e.g. (192.168.1.1)'. Callout 9 points to this field.
- \* DNS2:** Text input field with note '(\*) Enter if necessary.'. Callout 9 points to this field.
- Set:** A button with the text 'Select "Set" to save changes.'. Callout 10 points to this button.

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- 1 Select whether to assign an IP address to the Base Station automatically using the DHCP function of your router or modem or to assign an IP address manually.

If you select [Automatic IP Address Configuration (DHCP)], the router's DHCP server will automatically assign the [IP Address], [Subnet Mask] and [Default Gateway].

If you select [Manual], assign the proper values in the [IP Address], [Subnet Mask] and [Default Gateway] fields.

At the time of purchase, this item is set to [Automatic IP Address Configuration (DHCP)].

- 2 Enter an IP address.
- 3 Enter a subnet mask.
- 4 Enter a default gateway.
- 5 Enter a host name for the Base Station, as required.

### Tip

The host name can be specified only when [Automatic IP Address Configuration (DHCP)] is selected.

- 6 The Base Station's MAC address for the wired LAN appears.
- 7 Depending on the operating environment, the domain name appears.
- 8 Select this if you want to assign the DNS server automatically. The DNS server is only assigned automatically if [Automatic IP Address Configuration (DHCP)] is set for the IP Address Settings. This button is selected at the time of purchase.
- 9 Select this if you want to assign the DNS server manually. After you select this button, enter the addresses of your ISP's DNS servers in the [DNS1] and [DNS2] fields.
- 10 Select this to save the changes.

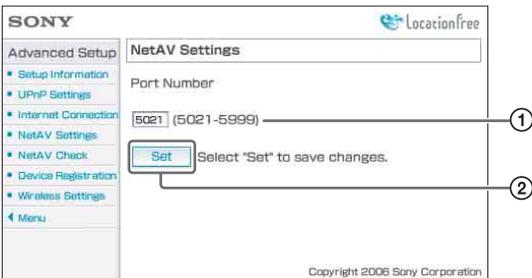
# Setting Up to Watch Video Away From Home

You do not need to configure the settings on pages 24 to 25 if you performed "Easy Setup" (☞ pages 13 to 15).

This section explains how to make advanced settings for using the NetAV function.

## NetAV Settings

Set the port of the Base Station when the NetAV function is to be used.



① If there are multiple Base Stations and 5021 is already being used, change the port number of the NetAV server.

You can specify port numbers in the range 5021 to 5999.

At the time of purchase, this item is set to 5021.

② Select this to save the changes.

### Setting up a router incompatible with the UPnP function

When port forwarding needs to be set on the router, follow the procedure below to set the Base Station's IP address.

#### Tip

The IP address, subnet mask, and default gateway used in the procedure below are only examples. Before you configure these settings, check the IP address settings of the router in use.

1 Set [IP Address Settings] to [Manual] in the [Internet Connection] (☞ page 23) frame, and then enter the following information.

IP Address: 192.168.0.64\*<sup>1</sup>

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.0.1\*<sup>2</sup>

\*<sup>1</sup> Example when the IP address of the router is 192.168.0.1. If the IP address of the router is 192.168.1.1, enter 192.168.1.64 for the IP address. If you are using multiple Base Stations, set a different setting for each Base Station, such as 64 and 65.

\*<sup>2</sup> Example when the IP address of the router is 192.168.0.1. If the IP address of the router is 192.168.1.1, enter 192.168.1.1 for the default gateway.

2 Set [Manual] for [DNS Configuration] and enter the following information.

DNS1: 192.168.0.1\*<sup>3</sup>

DNS2: It is OK to leave the field blank.

\*<sup>3</sup> Example when the IP address of the router is 192.168.0.1. If the IP address of the router is 192.168.1.1, enter 192.168.1.1 for DNS1.

3 Select [Set], and then press the  button.

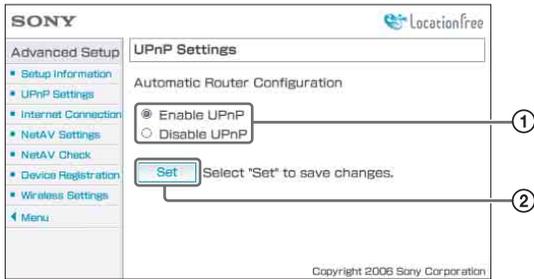
4 Set port forwarding on the router.

Open the settings menu for the router in use, and then enter the port number that you set under [NetAV Settings].

For details, refer to the instructions supplied with your router.

## UPnP Settings

You can enable or disable UPnP (Universal Plug and Play). If you are using a router that is compatible with UPnP, you do not need to adjust this setting.



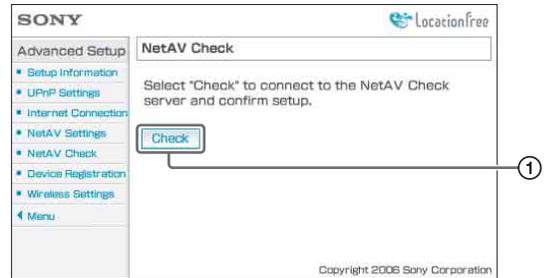
- ① Select whether to enable or disable automatic router configuration (UPnP).  
When [Disable UPnP] is set, port forwarding needs to be set on the router.  
At the time of purchase, this is set to [Enable UPnP].
- ② Select this to save changes.

### Tip

For details about router settings, refer to the instructions supplied with your router.

## NetAV Check

You can check whether NetAV has been set up correctly.



- ① When you select this button, a NetAV Check screen appears and the test begins.

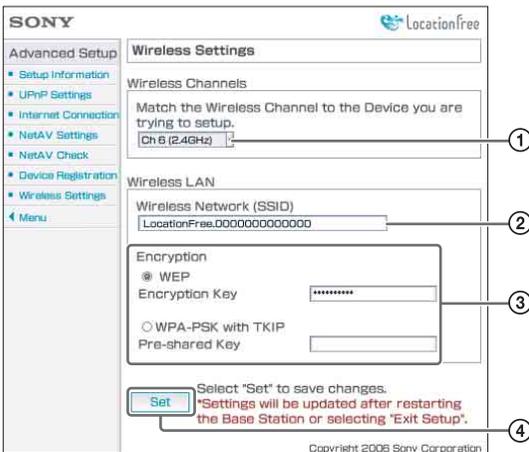
If [Success] appears in the test page, return to the settings menu by selecting [Menu] from the left side of the screen, and then complete the settings (☞ page 22).

If [Setup Incomplete] appears in the NetAV Check screen, read the instructions on the NetAV Check screen and configure the necessary settings.

# Changing the Wireless Settings of the Base Station

## Wireless Settings

You can change the wireless settings of the Base Station. If you change settings at this time, you will temporarily be unable to connect to the Base Station. After closing the Internet browser, reboot the Base Station, and then perform [Basic Settings] (☞ page 5) again to re-register your PSP® system with the Base Station.



- ① Wireless LAN devices that conform to the IEEE802.11b/g standards can be used on the following channels. The PSP® system can be used within the 2.4GHz channel.
- ② An SSID is already entered here at the time of purchase (the characters shown on the side of the Base Station). If you want to change it, enter a string of up to 32 alphanumeric characters and symbols.  
An SSID is an ID that identifies a wireless network.
- ③ [WEP] and [WPA-PSK with TKIP] are encryption methods. Select one or the other, and enter an encryption key or a pre-shared key.

### When using WEP

For the encryption key, enter a string of characters or a string of hexadecimal numbers.

You can use any string of characters as the key, but the number of required characters differs depending on the length of the key. The following table shows the number of required characters and the type of characters that can be used in encryption keys.

Key length	64-bit	128-bit
Character input	5 characters (alphanumeric, symbols)	13 characters (alphanumeric, symbols)
Hexadecimal input	10 characters (0 to 9, A to F, a to f)	26 characters (0 to 9, A to F, a to f)

### When using WPA-PSK with TKIP

Enter a pre-shared key from 8 to 64 characters in length. When you enter 64 characters, the available characters are limited to 0 to 9, A to F, and a to f.

Input method	Number of characters
Character input	8 to 63 characters (alphanumeric, symbols)
Hexadecimal input	64 characters (0 to 9, A to F, a to f)

### Tip

For details on WEP and WPA-PSK with TKIP, refer to "Changing the Wireless Settings of the Base Station" in the Operating Instructions document supplied with the Base Station.

- ④ Select this to confirm and save the information you have entered.

### Notes

- When choosing encryption keys and pre-shared keys, you should avoid words and phrases that are easy for other people to guess.
- For better security, you should change your encryption key or pre-shared key periodically.

### Tips

- You will need the SSID, and the encryption key or pre-shared key, when you connect your PSP® system or computer to the Base Station over a wireless connection. Keep a record of the information you enter.

- Configuring the wireless settings on a computer connected to the Base Station over a wired LAN is recommended to ensure security. If creating settings for the Base Station from your computer, settings may differ from those on the PSP® system. For details, refer to the Operating Instructions document supplied with the Base Station.

## Using the Base Station as a Wireless LAN Access Point

You can use the Base Station as a Wireless LAN Access Point. When using the Internet browser from the PSP® system, if you select [LocationFree AP] from the network connection, you can connect to the Internet from the PSP® system through the Base Station.

### Tip

To use the Base Station as a wireless access point for computers, the computers must be equipped with integrated Wireless LAN functions or Wireless LAN cards that conform to the IEEE802.11b/g standards.

## Other Settings

### Device Registration

You can delete registration information for a device that is registered with the Base Station.

#### Tips

- You need to use [Basic Settings] (Ⓞ page 5) to register your PSP® system with the Base Station. For details about registering devices other than the PSP® system, refer to the Operating Instructions document supplied with the Base Station.
- You can register up to eight devices (for example, up to eight PSP® systems) with the Base Station.

#### Note

It is not possible to watch video on more than one of the registered PSP® systems or computers at the same time. (At any one time, only one of the devices may view video.)



- ① A list of the devices currently registered with the Base Station appears here.
- ② If you want to stop connecting to the Base Station from a registered device, select the check box for the device in "List of Registered Devices" and then select [Delete] by pressing the ⊗ button.

## Updating the Base Station

You can update the Base Station software to the latest version.

.....

- 1 Display the [Base Station Settings] screen (☞ page 21).**

.....

- 2 Select [Upgrade Base Station software], and then press the (⊗) button.**

Data will be downloaded from the Internet, and the Base Station software will be updated. Follow the on-screen instructions.

### Notes

- Do not turn off the Base Station or the PSP® system, close the Internet browser, or operate other items while the Base Station software is being upgraded to a newer version.
- It is not possible to register a device or use the NetAV function while the Base Station software is being upgraded to a newer version. It is also not possible to make changes to the Base Station settings.
- The Base Station restarts automatically after the version upgrade ends.

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**LocationFree Web site**

<http://www.sony.net/Products/LocationFree/support/>

<http://www.sony.net/>