

# ***LocationFree TV***

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Operating Instructions



**NETAV**



***LF-X11***

## Owner's Record

The serial numbers are located at the side of the Base Station. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product. The nameplate is located on the bottom of the Base Station.

Model No. LF-X11

Serial No. \_\_\_\_\_

## Contacting Sony

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our LocationFree Customer Support

LocationFree Customer Support

1-866-925-SONY (7669) - U.S. & Canada

1-239-768-7688 - International

9:00 a.m. - 9:00 p.m. EST, Mon.-Fri. (English Only)

LocationFree Web sites


<U.S.>

<http://www.sony.com/locationfree/>

<Canada>

<http://www.sonystyle.ca/locationfree/>

## Important Safety Instructions

- 1) Read these instructions.
  - 2) Keep these instructions.
  - 3) Heed all warnings.
  - 4) Follow all instructions.
  - 5) Do not use this apparatus near water.
  - 6) Clean only with dry cloth.
  - 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
  - 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
  - 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  - 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  - 11) Only use attachments/accessories specified by the manufacturer.
  - 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
  - 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## WARNING

To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

Do not let this unit get wet. Never spill liquid of any kind on the unit. If any liquid or solid object fall through the unit, do not operate the unit. It may result in electric shock or damage to the unit.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

### FCC Radiation Exposure Statement:

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. The LF-X11 has been tested and found to comply with the Federal Communications Commission (FCC) guidelines on radio frequency energy (RF) exposures. The maximum SAR levels tested for the LF-X11 has been show to be 2.4GHz 1.42 W/kg, 5.2GHz 0.45 W/kg at Body.

- \* This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- \* When using the unit with 802.11a (5.15-5.25GHz), use indoors.

### LF-X11

Contains FCC ID : AK8IRF303

Contains IC : 409B-IRF303

### Heat

The Base Station and/or the AC power adapter may heat up during operation. This is not a malfunction.

### Note on using the Monitor

Avoid touching hot areas of the surface of the product for long periods, especially if you have sensitive skin. Doing so may cause swellings or blisters as symptoms of moderate temperature burn.

## NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

## FCC WARNING

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

## For customers in the United States

This product contains mercury. Disposal of this product may be regulated if sold in the United States. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance (<http://www.eiae.org>).

This class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## RECYCLING LITHIUM-ION RECHARGEABLE BATTERIES





Lithium-Ion batteries are recyclable.

You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbrc.org/>

**Caution:** Do not handle damaged or leaking Lithium-Ion batteries.

## Trademarks

- LocationFree is a registered trademark of Sony Corporation.
- Memory Stick, Memory Stick Duo, Memory Stick PRO Duo, MagicGate, MagicGate Memory Stick PRO Duo and  are registered trademarks or trademarks of Sony Corporation.
- NetFront by ACCESS Co., LTD, is installed for the browser functions on this device.
- NetFront is registered trademark of ACCESS Co., Ltd. in Japan and other countries.
- A portion of the software for this device includes modules developed by the Independent JPEG Group.
- Copyright 2004 Adobe Systems Incorporated. All rights reserved. Patents Pending.
- Ethernet is a registered trademark of XEROX Corporation.
- This device uses Macromedia® Flash® Player technology. Macromedia Flash and Macromedia are trademarks or registered trademarks of Macromedia, Inc. in the United States and other countries.
-  Intent is a registered trademark of Tao Group Limited.
- Java is a trademark or registered trademark of Sun Microsystems, Inc. in the United States and other countries.
- All other company names and product names mentioned here may be the trademarks or registered trademarks of their respective companies.
- The symbols for <sup>TM</sup> and ® are omitted in these instructions.

# About Wireless Security

Since communication via the wireless LAN function is established by radio waves, the wireless signal may be susceptible to interception. To decrease this danger, the LocationFree TV supports various security functions. Be sure to correctly configure the security settings in accordance with your intended purpose and network environment.

## Wireless LAN security function of the LocationFree TV

- No encryption  
Because raw data is transmitted, there is a danger of interception.  
This setting is not available for wireless LAN communication between the Base Station and the Monitor.
- WEP  
WEP is the wireless LAN security technology specified by IEEE802.11. It applies encryption to communications. There are two types of encryption key length; 64-bit key and 128-bit key. The 128-bit encryption key assures a higher security level. A decryption technique exists, however, so using the same encryption key for an extended period of time is not recommended.
- WPA-PSK with TKIP encryption  
WPA is a security technology developed to correct for the deficiencies of WEP. The LocationFree TV utilizes WPA together with TKIP encryption. WPA-PSK with TKIP encryption assures the highest security level among the technologies supported by the LocationFree TV.

## Security settings of the LocationFree TV


- The security for wireless LAN communication between the Base Station and the Monitor is set to WEP as the factory default. To increase the security level, switch to WPA-PSK. Note, however, that the communication stability may differ depending on which technology you use, WEP or WPA-PSK.

- When connecting the Monitor to a wireless LAN environment other than that for communication with the Base Station, the Monitor should be configured in accordance with the security setting of the wireless LAN environment. For settings information, contact the network administrator.


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### **Note**

The screen samples used in this manual are only example images.

### **Tip**

Further information about this model is also available on following website.

LocationFree TV FAQ pages:

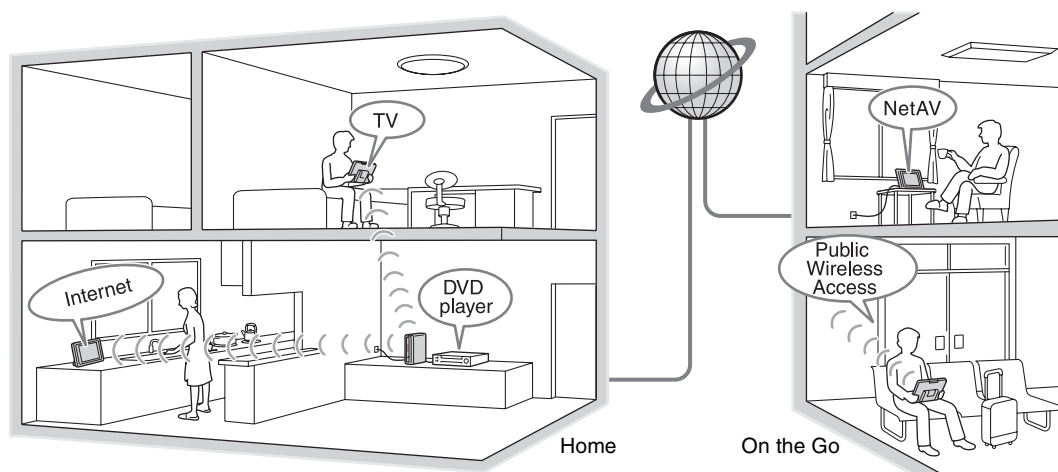
<http://www.sony.com/locationfree/faq/>

# What is LocationFree TV?

The LocationFree TV is an advanced, portable TV that allows you to watch TV or video, browse the Web, check your e-mail and manage your digital photos whether you are at home or not. When you are at home, you can carry the Monitor around the house and use it anywhere within its wireless transmission range. When you are away from home, you can watch the same TV programs and videos by accessing your Base Station via the Internet.

By installing LocationFree Player on your computer, and registering the computer with the Base Station, you can use the LocationFree NetAV function on your computer as well.

Enjoy the LocationFree TV, no matter where you are. Welcome to the world of LocationFree TV!



## Tips

- The LocationFree TV is composed of a Monitor and a Base Station that communicate with each other over a wireless or wired connection.
- The Monitor operates on a rechargeable battery, so it does not need a power cord. You can also connect an AC power adapter.
- When the power is turned on, the Base Station continuously emits a wireless signal.

## Note

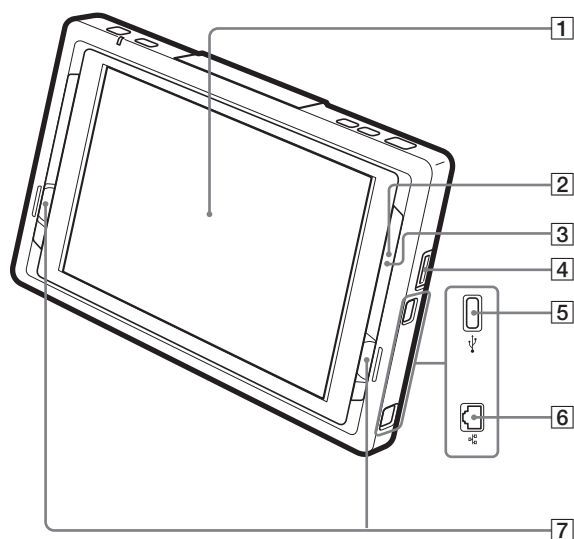
The LocationFree TV transmits on the 2.4 GHz and 5 GHz\* wireless channels. In the average home, this gives it a coverage range of about 100 feet (30 meters). If other devices in the vicinity emit electrical waves, such as a wireless LAN device or microwave oven, the strength of the wireless signal may decrease. The materials used in the construction of a building's walls and floors may also affect the signal strength.

\* At the time of purchase, the LocationFree TV is set up to select the best channel automatically, either 2.4 GHz or 5 GHz.

# Identifying Parts and Controls




## Monitor

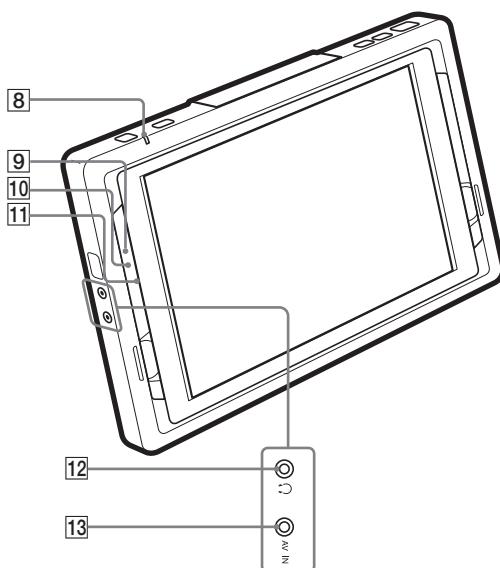
### Front and right sides



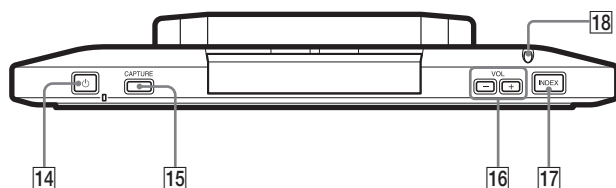
- 1** LCD (Liquid Crystal Display)/Touch Panel
- 2** Memory Stick LED (☞ page 57)  
Orange: A Memory Stick is being accessed.
- 3** WIRELESS LED  
Indicates the wireless function status.  
Blue: Connected with the wireless network on the 5 GHz channel.  
Green: Connected with the wireless network on the 2.4 GHz channel.  
Turns blue or green momentarily, then turns off for 3 seconds:  
Wireless communications are enabled, but the LocationFree TV is not communicating with the Base Station or a wireless LAN access point (it is emitting a wireless signal).  
Off: Monitor's wireless emission is disabled.
- 4** Memory Stick slot (☞ page 57)  
Insert a Memory Stick.
- 5** USB port  
Connect a USB keyboard (not supplied).
- 6** LAN port (☞ page 19)  
Connect a LAN cable (not supplied).
- 7** Speakers

### Left side

- 8** POWER LED (☞ page 21)  
Green: The power is on.  
Red flashing: A malfunction has occurred.
- 9**  Battery charge LED (☞ page 22)  
Red: The battery is charging.  
Off: Battery charging has finished.
- 10**  New mail LED  
Red : New mail has arrived.  
Disabled when the Mail window is open.
- 11** IR receiver for Learning Remote
- 12**  Headphone jack (stereo mini)
- 13** AV IN jack  
Use an AV mini cable (VMC-N320TP or VMC-N120TT, not supplied) to connect a digital video camera or other AV device.

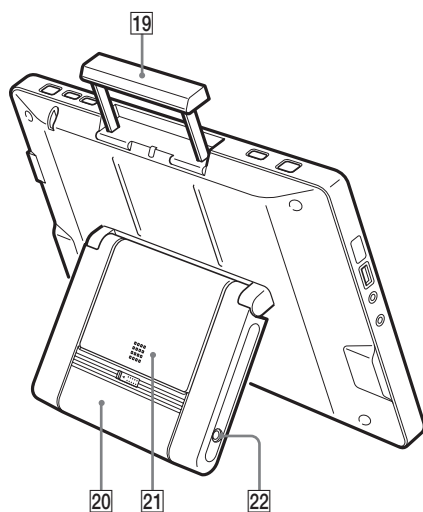


## Top



- 14** POWER button (☞ page 21)  
Turns the Monitor power on and off.
- 15** CAPTURE button (☞ page 35)  
Saves the currently displayed image in the album.
- 16** VOLUME +/- buttons (☞ page 31)  
Adjusts the speaker volume.
- 17** INDEX button (☞ page 27)  
Displays the [Index] window.
- 18** Stylus/stylus compartment

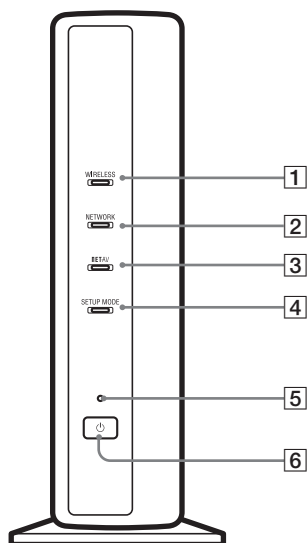
## Rear



- 19** Monitor handle (☞ page 23)  
Pull out the handle when carrying the Monitor.
- 20** Monitor stand (☞ page 23)
- 21** Battery (☞ page 20)
- 22** DC IN jack (☞ page 21)  
Connect the Monitor AC power adapter (supplied).

## Base Station

### Front



#### 1 WIRELESS LED

Indicates the wireless function status.

Blue: Connected with the Monitor on the 5 GHz channel.

Green: Connected with the Monitor on the 2.4 GHz channel.

Turns blue or green momentarily, then turns off for 3 seconds:

Wireless communications are enabled, but wireless communication with the Monitor is not taking place.

#### 2 NETWORK LED

Indicates the connection status to an external network, such as the Internet.

Green blinking: Attempting to connect.

Green: Connected to the network. The LED blinks quickly when data is transmitted.

Off: Not connected.

#### 3 NETAV LED

Indicates the connection status with the LocationFree device.

Green quick blinking: NetAV authentication has failed.

Green slow blinking: Attempting to connect with NetAV.

Green: Connected with NetAV.

Umber blinking: Updating dynamic DNS.

Umber: Dynamic DNS failure.

Off: Not connected.

Red: The Base Station is being initialized.

#### 4 SETUP MODE LED

Umber: The Base Station is in Setup mode.

Umber blinking: Registration of a LocationFree device is available.

#### 5 POWER LED (☞ page 21)

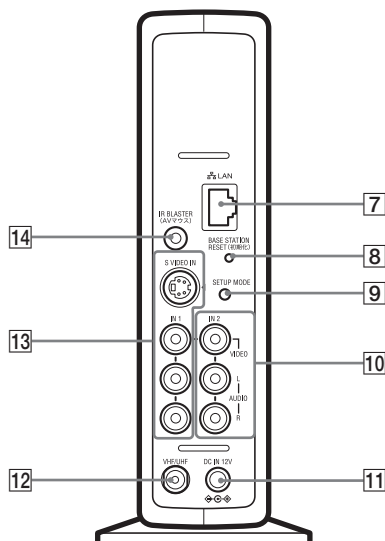
Green: The power is on.

Red blinking: A malfunction has occurred.

#### 6 POWER button (☞ page 21)

Turns the Base Station power on and off.

### Rear



#### 7 LAN port (☞ page 19)

Connect a LAN cable (not supplied).

#### 8 BASE STATION RESET button (☞ page 81)

Initializes all settings on the Base Station to the factory defaults.

#### 9 SETUP MODE button

Press to register the LocationFree devices, or to make the Base Station settings without the Monitor.

#### 10 IN 2 (AUDIO/VIDEO) terminal (☞ page 16)

Connect audio and video cables.

#### 11 DC IN jack (☞ page 20)

Connect the AC power adapter (supplied).

#### 12 VHF/UHF jack (☞ page 15)

Connect an antenna cable (not supplied).

#### 13 IN 1 (S-VIDEO/AUDIO/VIDEO) terminal (☞ page 16)

Connect audio cables and either a video or S-video cable.

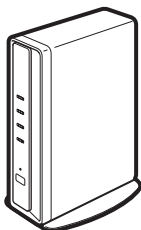
#### 14 IR BLASTER port (☞ page 17)

Connect the IR Blaster (supplied).

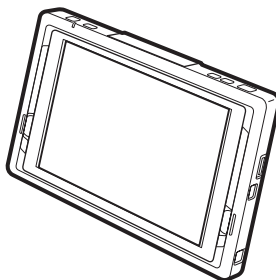
## Checking the Package Contents

After unpacking, check that all the following items have been included:

- Base Station (1)



- Monitor (1)

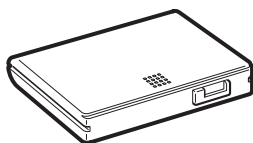


- Stylus (1)

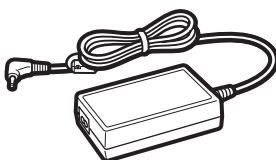


\* At the time of purchase, the Base Station is already mounted on its stand.

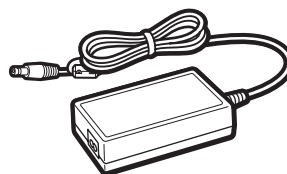
- BP-LX11A battery (1)



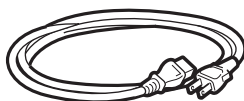
- AC-LX1B AC power adapter for the Base Station (1)



- AC-LX1M AC power adapter for the Monitor (1)



- Power cord (2)



- IR Blaster (1)



- Operating instructions (1)
- Quick Start Guide (1)
- LocationFree Player software CD-ROM (LocationFree Player software\* and Operating Instructions) (1)
- Important Software Notice (1)
- Dynamic DNS Terms-of-Use Agreement (1)
- Instructional DVD (1)
- Warranty card (1)

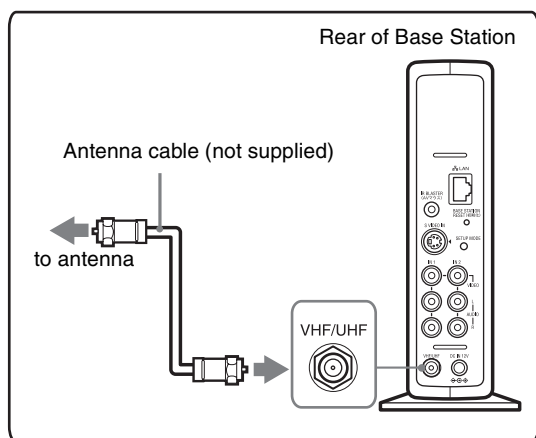
\* One license key for LocationFree Player is supplied.

## About Base Station Installation

- The SSID, WEP key, and initial password are on the label affixed to the side of the Base Station. This information is needed when you are configuring Base Station settings from a computer, not from the Monitor, and when you are establishing a wireless connection from a LocationFree device to the Base Station while in Setup mode. When using LFA-PC2, the Base Station should be installed so that you can easily see its side.
- The Base Station should be installed at least 10 cm from the wall.

## Connecting to TV Signal

The procedure for connecting to a TV antenna differs depending on the type of antenna jack. Some antenna jacks require a separate converter or splitter (not supplied). For more information, contact your Sony dealer.

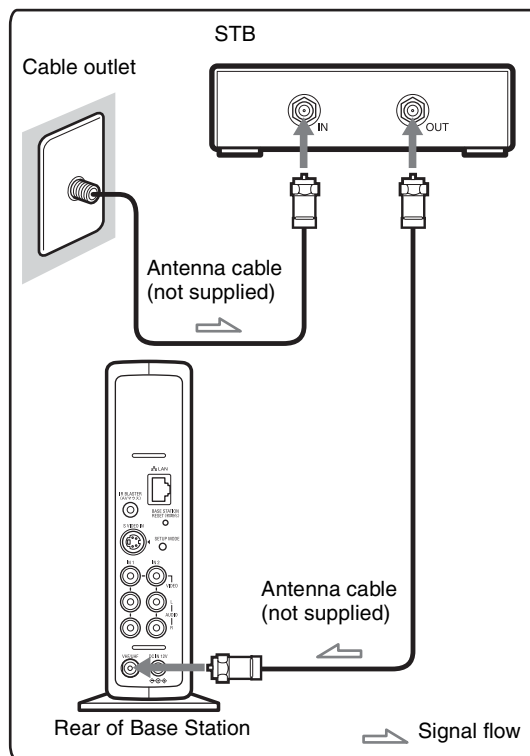


### Connecting to a set-top box

There are two different procedures for connecting a set-top box (STB), depending on whether the set-top box connects to the antenna cable (not

supplied) or to the video input terminal on the Base Station.

### Connecting to the antenna cable



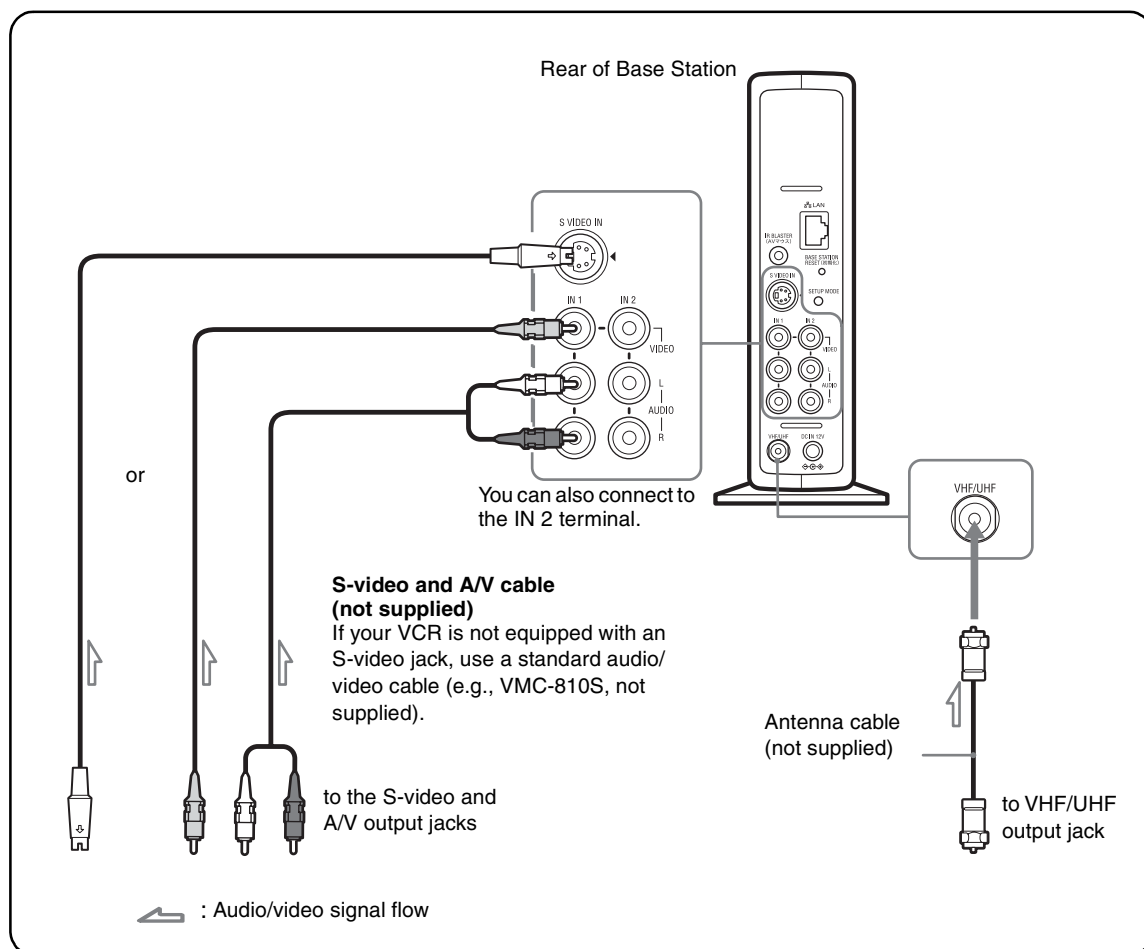
### Connecting to the video input terminal

See "Connecting Other Devices". (📖 page 16)

# Connecting Other Devices

You can connect other devices featuring an A/V output terminal such as a VCR, AV receiver, DVR, DVD player/ recorder to the Base Station.

Refer also to the operating instructions that came with the connected equipment.



## Watching video on a connected device

Select [Video 1] in the [Index] window. You can operate the connected device using the on-screen remote control on the Monitor (☞ page 27).



**Tip**

To operate other devices from the Monitor, you must connect the supplied IR Blaster. For details, see the next page.

## Note

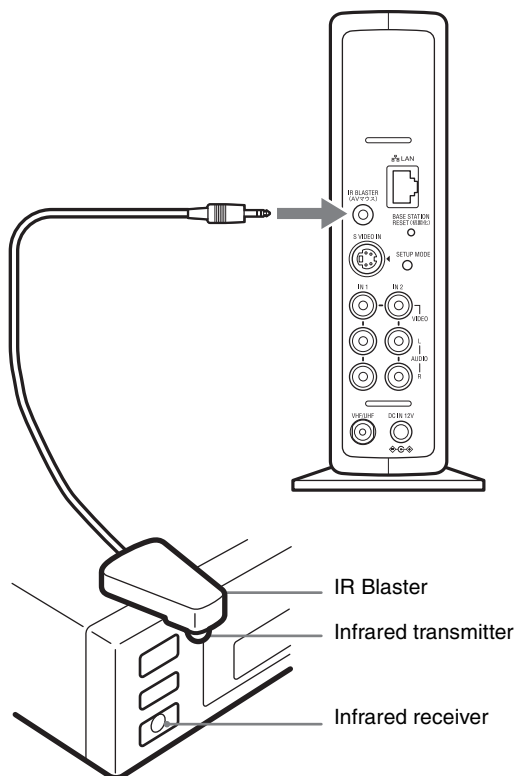
If you have connected a DVD player to the Base Station via a VCR, the VCR's copy guard function may distort or dim the DVD picture. Connect the DVD player directly to the video input terminal on the Base Station.



## Connecting the IR Blaster

Attach the supplied IR Blaster to the device connected to the Base Station.

By attaching the IR Blaster, you can control the connected device with the on-screen remote control.



To locate the infrared receiver, refer to the operating instructions for the connected device. Be sure to place the IR Blaster above the infrared receiver.

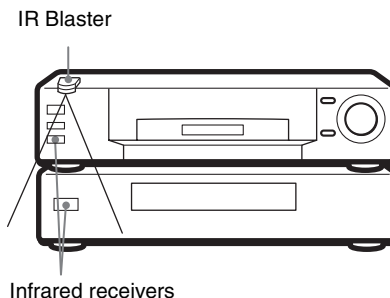
### Note

Do not remove the backing paper from the IR Blaster yet.

After confirming that the remote control works correctly, remove the backing paper from the rear side of the IR Blaster and then secure the IR Blaster in place.



When controlling two devices with the IR Blaster, position the devices and the IR Blaster as shown.




### Note

For details on setting up a device, refer to the operating instructions of the device.

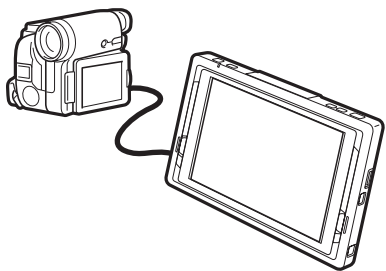
If the infrared receivers on two devices do not line up and cannot be controlled with the single supplied IR Blaster, you need to purchase a plug adapter (not supplied) and another IR Blaster. Connect the plug adapter to the IR BLASTER port on the Base Station and connect each IR Blaster to a port on the adapter plug. See “Configuring the On-Screen Remote” (page 67) for information about how to switch the on-screen remote for two devices to a single input terminal.

### Tips

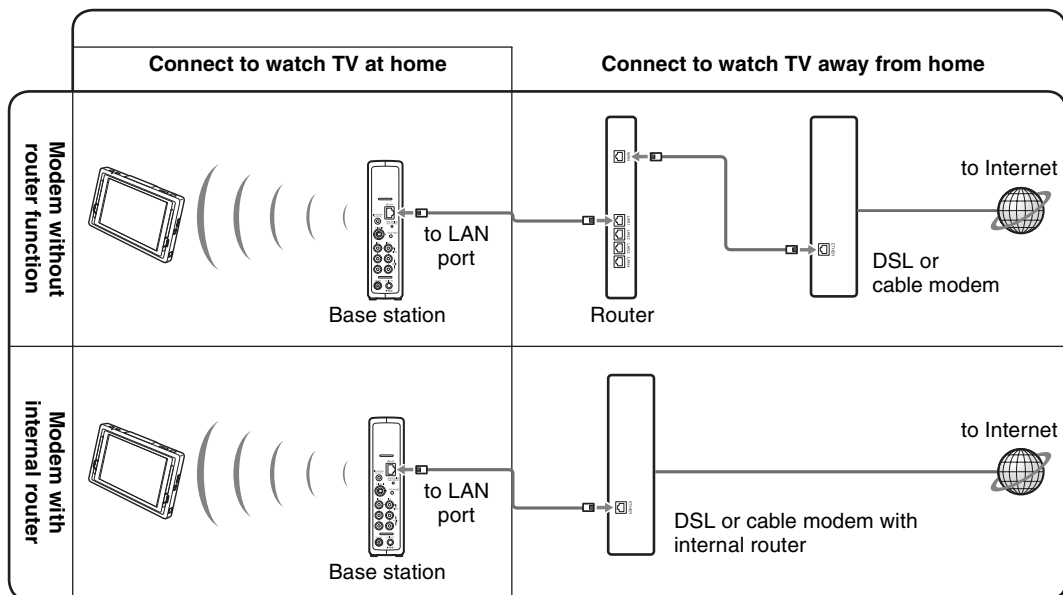
- If the IR Blaster cable is too short, use the extension cable (RK-G138, not supplied).
- Infrared receivers on Sony VCRs and other products are identified with the  symbol.
- You can set up 2 on-screen remote controls for each video input connector. These on-screen remote controls allow you to operate 2 devices connected directly to the Base Station, and to control video input via those devices.

## Connecting a Digital Video Camera Directly to the Monitor

Use a mini AV cable (not supplied: VMC-N320TP, VMC-N120TT) to connect a digital video camera directly to the AV IN jack on the left side of the Monitor.



# Connecting to the Internet



\* To determine the type of your modem, check with your Internet service provider.

## Connecting to the router

Using a LAN cable (not supplied), connect the LAN terminal of the Base Station to your router. The connection method you should use depends on your ISP and equipment. For more information, contact your ISP.

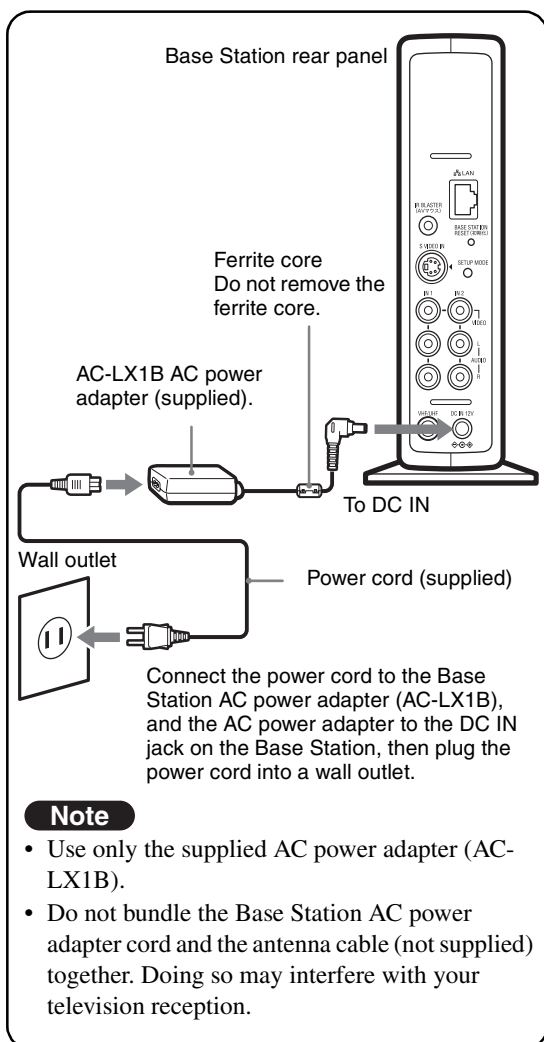
### Notes

- Depending on your ISP, you may not be able to connect multiple devices, such as the Base Station and several computers. For more information, contact your ISP.
- To determine what kind of LAN cable (not supplied) you use, refer to the operating instructions for your router, cable modem, or DSL modem.
- For details on setting up the connection, refer to the operating instructions for your router, cable modem, or DSL modem. If you have any questions, contact your ISP.
- Further information about configurations is also available on the following website.  
LocationFree TV FAQ pages:  
<http://www.sony.com/locationfree/faq/>

# Turning On the Power

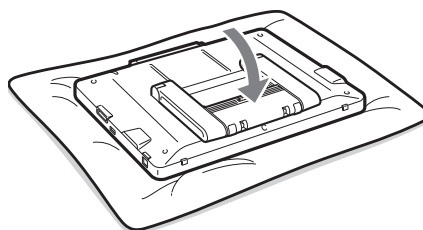
## Connecting the Power Cord to the Base Station

Connect the power cord when you finish making all other connections.

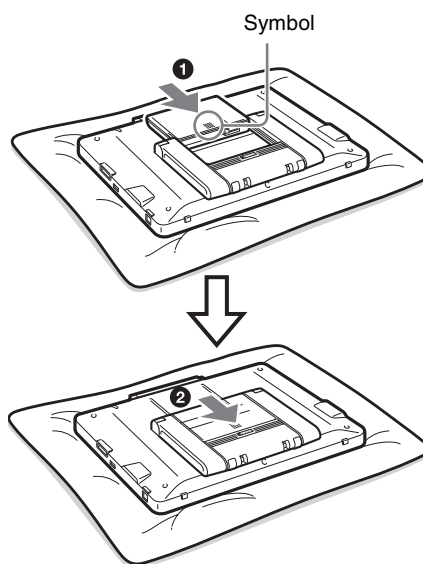


## Inserting the Battery

- 1 Place the Monitor on a soft cloth with the LCD screen face down.



- 2 From the top of the compartment (1), slide the battery in as far as it will go (2). Keep the Monitor stand closed when inserting the battery.

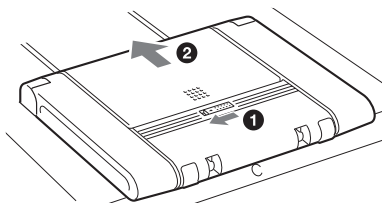


### Notes

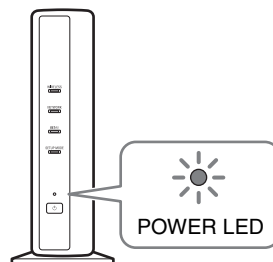
- Insert the battery so that the side with the symbol faces upward.
- Insert the battery until you hear it click.

## Removing the battery

Push and hold the tab in the direction of the arrow (1), then slide the battery upward (2).

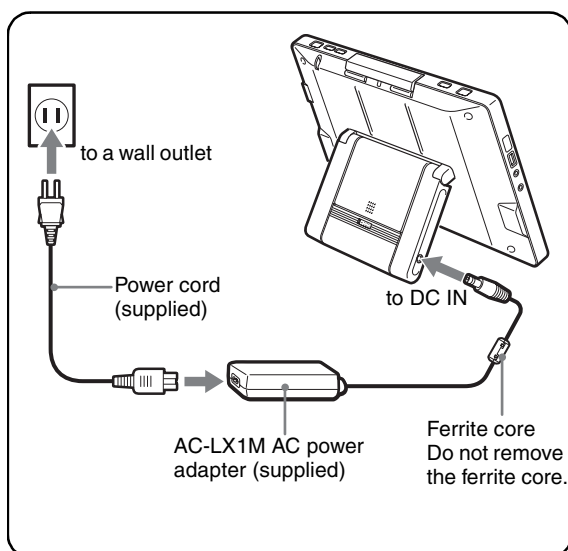


The POWER LED on the front of the Base Station lights green.

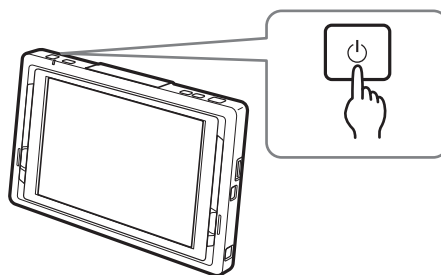


To turn the power off, press the POWER button again.

## Connecting the Power Cord to the Monitor



- 2 Press POWER button on top of the Monitor to turn it on.

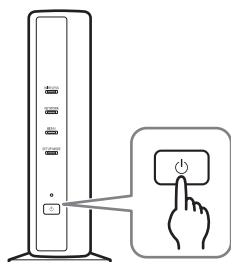


The POWER LED at the top of the Monitor lights green, and a TV picture appears.

To turn the power off, press the POWER button again.

## Turning On the Power

- 1 Press POWER button on the front of the Base Station to turn it on.



### Tip


The [Welcome] window appears only when you turn the LocationFree TV screen on for the first time.

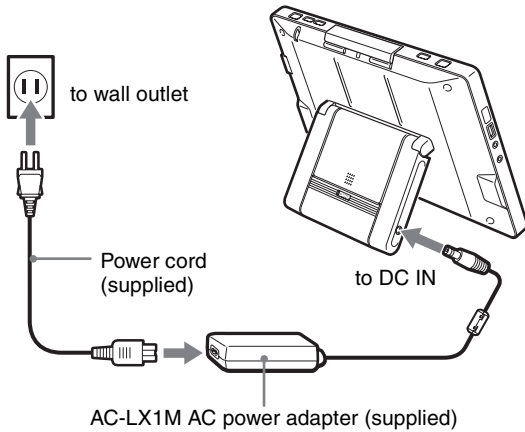


Select [Go] in the [Welcome] window to proceed to the Easy Setup. For more information, refer to the supplied Quick Start Guide.

## Charging the Battery

Connect the Monitor AC power adapter to charge the battery.

During charging, the  LED on the left side of the Monitor lights red. The LED goes off when charging is finished.



and use up the entire charge at least once a year, before returning the battery to storage.

- Like other rechargeable batteries, the supplied lithium-ion battery gradually loses its ability to charge with repeated use. When battery life decreases significantly, it is time to buy a new battery. The battery can be charged about 300 times before it needs replacement.

## Battery charging time

Monitor On: Approx. 3 hours

Monitor Off: Approx. 2 hours

## Battery life

Approximate life of a fully charged battery:

4 hours\* at minimum Backlight

3 hours\* at medium (standard) Backlight


1 hour 40 minutes\* at maximum Backlight

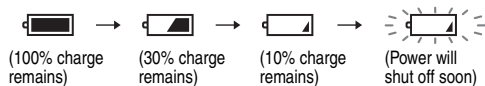
\* Times are approximate.

It is based on continuous television viewing.

Actual battery life may vary based on usage patterns.

A warning appears one minute before the battery runs out.

The  icon at the top of the screen also shows the remaining battery charge.



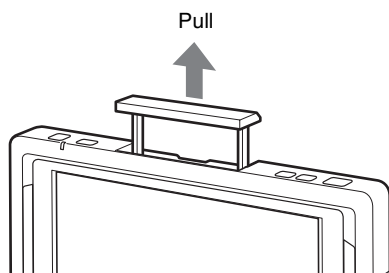
### Notes

- When storing the battery long-term, use up any remaining charge, then remove the battery and store it in a cool place. In addition, fully charge the battery

# How to Use the Monitor

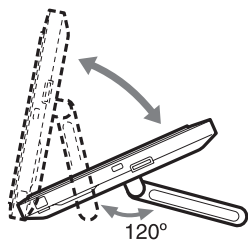
## Using the Monitor Handle

Pull out and use the handle on top when carrying the Monitor.



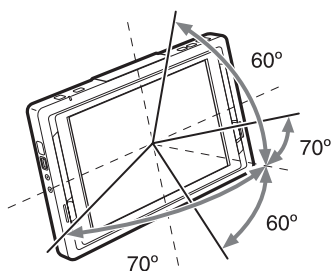
## Adjusting the Monitor Stand

Use the Monitor stand to adjust the screen angle, as shown. The stand has a range of 120 degrees.



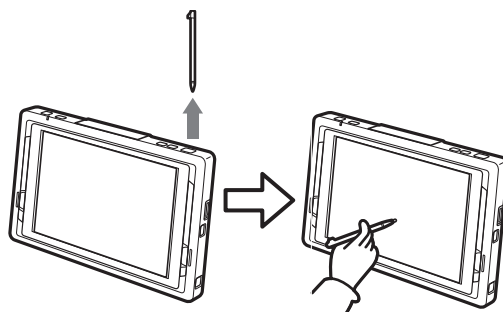
## Adjusting the Viewing Angle

The Monitor is best viewed within 60 degrees above or below and 70 degrees to the left or right of the center of the screen, as shown.



## Using the Stylus

Use the supplied stylus to select buttons on the screen.



# About Easy Setup

## What is Easy Setup?

By using Easy Setup, you can make basic settings quickly and easily.

### Easy Setup (Basic) (🔗 page 25)

Make basic setting for using the LocationFree TV at home.

### Easy Setup (NetAV) (🔗 page 45)

Make basic settings for using the NetAV function. Make these settings at home. Before setting up the NetAV function, make your TV and video settings, and set up your browser for viewing with Web Lite.

### NetAV Check (🔗 page 46)

This is a web page for checking whether your NetAV settings are correct. Checking these settings before leaving home.

#### Note

To use Easy Setup, you need to put the Monitor into Home mode so that it can communicate with the Base Station by wireless.

## Displaying the [Easy Setup] Window

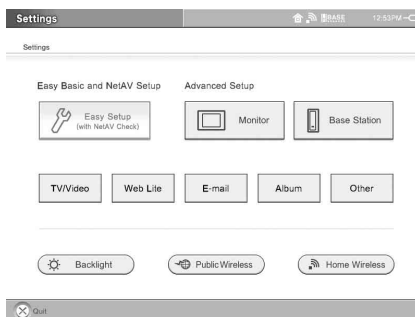
1 Turn on the Monitor and Base Station.

2 Touch anywhere on the screen, and then select [Settings] at the bottom right of the window.



The [Settings] window appears.

3 Select [Easy Setup (with NetAV Check)].



The [Easy Setup] window appears.



# Easy Setup (Basic)

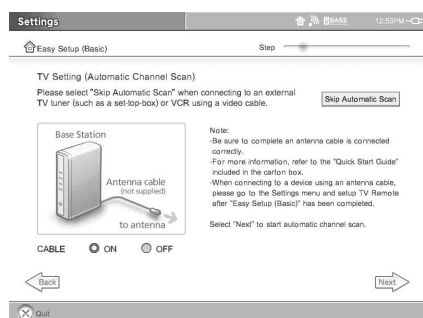
After completing the connections and turning on the Base Station and Monitor, set up with [Easy Setup (Basic)].

Use [Easy Setup (Basic)] to make basic TV, video, network, E-mail, and clock settings. This chapter provides a general explanation of the items that you can set with [Easy Setup (Basic)].

- For more information about how to use [Easy Setup (Basic)], refer to the supplied Quick Start Guide.
- Make [Easy Setup (Basic)] settings in Home Wireless mode.

## TV

Use the [TV Setting] window to perform an automatic channel scan with the built-in TV tuner.

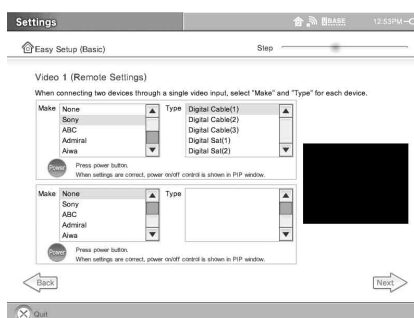


## Notes

- The [Easy Setup (Basic)] automatic channel scan cannot be used to add or delete preset channels. To do this, select [TV/Video] in the [Settings] menu (☞ page 67).
- If you are using an antenna cable (not supplied) to connect an external tuner (e.g. a set-top box), you will need to set up the TV remote control manually. Use the [TV/Video] in the [Settings] menu to do this, after [Easy Setup (Basic)] finishes. For details, see “Configuring the On-Screen Remote for External Tuners on TV” (☞ page 67).

## Video

Use the [Video] window to make remote control settings for other devices connected to the Video terminal of the Base Station.

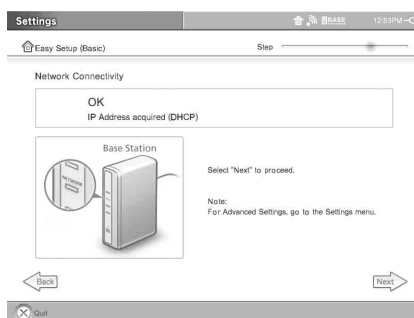


## Notes

- See “Connecting Other Devices” (☞ page 16) for more information about connecting other devices.
- You cannot use [Easy Setup (Basic)] to make Learning Remote settings. Use the [Settings] menu if you need to make Learning Remote settings (☞ page 69).
- See “Configuring the On-Screen Remote” (☞ page 67) for more information about remote control settings.

## Network Connectivity

Use the [Network Connectivity] window to check that the Base Station is connected to the network.



## Notes

- You cannot use [Easy Setup (Basic)] to configure the IP address manually. Use the [Settings] menu to make manual settings (☞ page 71).
- The message “IP Address configured manually.” appears when the IP address was configured manually. To check whether the IP address has been configured correctly, try using the Web Lite and Mail functions.
- This window allows you to check the connection to a router, but you cannot check whether you are

actually connected to the Internet. Use the Web Lite and Mail function to check your Internet connection.

- If you need to make proxy settings, select [Web Lite] in the [Settings] menu.

## E-Mail

Use the [E-Mail] window to make settings for sending and receiving e-mail.

Settings

Easy Setup (Basic) Step

E-mail

Name

Email Address

Account Name

Password

POP3

SMTP

[\*) Enter if necessary.  
Refer to your internet account information from your ISP.  
If you don't have your e-mail account information close at hand,  
you can access "Easy Setup" at any time from the Settings menu.

Back Next

Quit

## Notes

- Enter the required information, while referring to the information from your ISP.
- If you want to make advanced mail settings, select [E-Mail] from the [Settings] menu after [Easy Setup (Basic)] ends.

## Clock

Use the [Clock] window to set the date, time, and time zone.

Settings

Easy Setup (Basic) Step

Clock

Date

Month Day Year

Time

Hour Minute AM PM

Time zone

City (standard)	City (DST)
PST - Los Angeles	Acronage
MST - Denver	PDT - Los Angeles
CST - Chicago	MDT - Denver
EST - New York	CDT - Chicago

Select "Finish" to save the changes.

Finish

Quit

## Notes

- Daylight Saving Time is not set automatically when you select [City (standard)] for the time zone, even if that city uses Daylight Saving Time. If you want to set Daylight Saving Time, select [City (DST)].
- If you change the [Time zone] setting, the Monitor will restart when [Easy Setup (Basic)] finishes.

## Displaying the [Index] Window

All of the LocationFree TV's functions are accessed from the [Index] window.

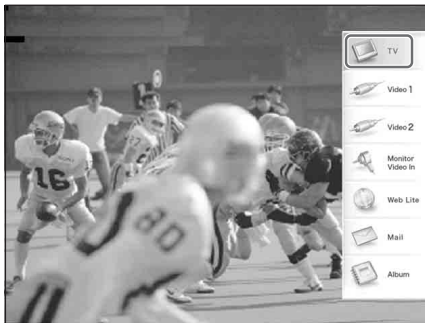
- 1 Press INDEX.  
The [Index] window appears.



### Tip

To display the setup screen, select [Settings] at the bottom right of the screen. If [Settings] is not shown, touch anywhere on the screen to make it appear.

- 2 Select a function.

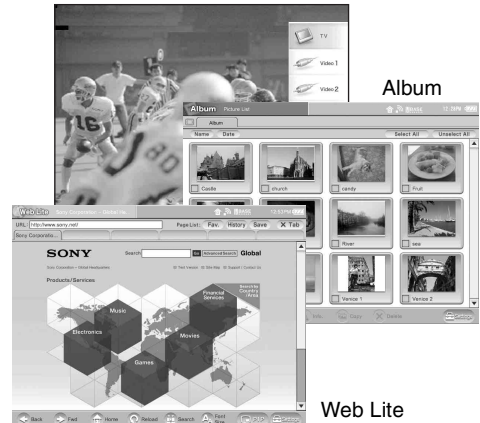


### Tips

- To hide the [Index] window, press INDEX again.
- When the [Index] window is visible, the buttons in the background of the Index window and the CAPTURE button are disabled.

The window for the function that you selected in step 2 appears.

### TV/Video



When you touch anywhere on the screen in TV mode, a TV channel remote appears. If you touch the screen in video 1 or 2 mode and have configured the remote control settings, the on-screen remote control appears.

# About Monitor Connection Modes

The LocationFree TV Monitor has two connection modes: “Home” mode and “On the Go” mode. You need to select one or the other, depending on where you want to use the Monitor.

In addition, in each of these modes, the Monitor can connect wirelessly or via wired LAN.

Establishing a connection wirelessly or via a wired LAN is determined automatically depending on if the Monitor is connected to a wired LAN. For details, see the table below.



## Tip

At the time of purchase, the connection type is set to Home mode. You do not need to switch the connection type to watch TV at home.

## Details on Icons Displayed at the Top of the Screen

Monitor connection types		Description
 Home mode	 Wireless	This is the state where you connect the Monitor to the Base Station by wireless. You can watch TV and videos, browse the Web, and check your mail at home.
	 Wired LAN	This is the state where you connect the Monitor with a LAN cable (not supplied). You can watch TV and videos, browse the Web, and check your mail via your home LAN. Example: If TV reception is poor in Wireless Home mode. If the  mark appears on the screen.
 On the Go mode	 Wireless	This is the state where you connect the Monitor by wireless over a public wireless access away from home, and you can use to browse the web and check your mail. To watch TV and video, connect to the Base Station in your home via the Internet (NetAV function). Example: At a cafe where public wireless access services are available.
	 Wired LAN	This is the state where you use a LAN cable (not supplied) to connect the Monitor to a LAN away from home, and you can use to browse the web and check your mail. To watch TV and video, connect to the Base Station in your home via the Internet (NetAV function). Example: If there is a LAN cable in a hotel room.












## Notes

- At the time of purchase, the Monitor may emit wireless signals when it is turned on and there is no LAN cable (not supplied) connected. In places where wireless emissions are restricted, such as in hospitals and on public transportation, turn off the Monitor or the wireless signals (🔌 page 64).
- To use NetAV in On the Go mode, you need to set up the NetAV function on both the Base Station and the Monitor before leaving home. You cannot make Base Station NetAV settings while away from home. To make NetAV settings, switch to the Home mode connection type in a location where you can connect to the Base Station. For details, see “Using LocationFree TV On the Go” (🔌 page 37).
- To connect the Monitor to a wireless LAN access point while at home, select the On the Go mode connection type.

# Guide to On-Screen Icons

The following icons appear at the top of the screen to indicate the connection status of the LocationFree TV.



Icon	Meaning
	Home mode is selected for the Monitor setting.
	On the Go mode is selected for the Monitor setting.
	Connected to the network wirelessly. The icon indicates the wireless signal strength in 3 stages. This icon blinks while an IP address is being acquired from a DHCP server.
	Cannot establish a wireless connection to the network because, for instance, you are out of range or cannot perform wireless communication.
	Connected to the network via a wired LAN. This icon blinks while an IP address is being acquired from a DHCP server.
	Not connected to the network via a wired LAN.
	Displayed when connected to the Base Station by Wireless or Wired LAN in Home mode.
	Not connected with the Base Station in Home mode. (Interference or wireless out of range)
	The Monitor and Base Station are communicating with the NetAV function in On the Go mode.
	Other LocationFree device registered to the Base Station is connected with NetAV. (The Monitor is communicating with the Base Station, but because LocationFree device is connected with NetAV, TV is not available. Select the [GetAV] button to watch TV.)
	Displayed when you switch to Wide Range mode. For details on Wide Range mode, see “Using Wide Range Mode” (📖 page 33).

Icons are shown in combinations like the following, depending on the current connection status.

**Example 1)When the Monitor is connected to a network in Wireless On the Go mode:**



**Example 2)When the Monitor is communicating with the Base Station in Wired LAN Home mode:**



## Watching TV and Video

Open the [Index] window and select TV, Video1 or 2, Monitor Video IN.



### Tip

When you turn on the Monitor, the TV channel or video that you were watching when you turned it off appears.

### Note

This Monitor does not support non-interlaced signals used for computer monitors, etc.

## Changing channels with the on-screen remote control

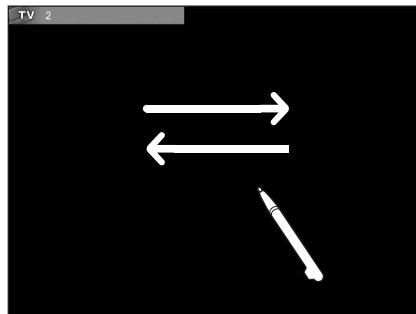
Touch anywhere on the screen to display the on-screen remote control, then select a channel. You can also hide the on-screen remote control by touching the screen.

On-screen remote control



## Changing channels with the stylus

Slide the stylus over the screen from left to right to display the next channel, and from right to left to display the previous channel. Hold the stylus down at the end of a stroke to cycle through the channels in the direction indicated.

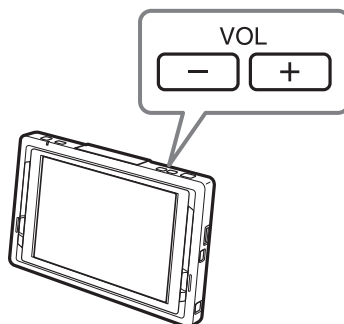


### Tips

- If you are using the built-in tuner, you can change channels in TV mode by skimming the screen.
- In video mode, skimming the screen changes channels on the tuner of the connected video equipment. This option is only available when the connected other device has a tuner and remote control settings have been configured (☞ page 67).
- Changing channels is possible only when a TV program is displayed on the entire screen. You cannot do so while the on-screen remote control is displayed.

## To adjust the volume

Press the VOLUME +/- buttons on the top of the Monitor.

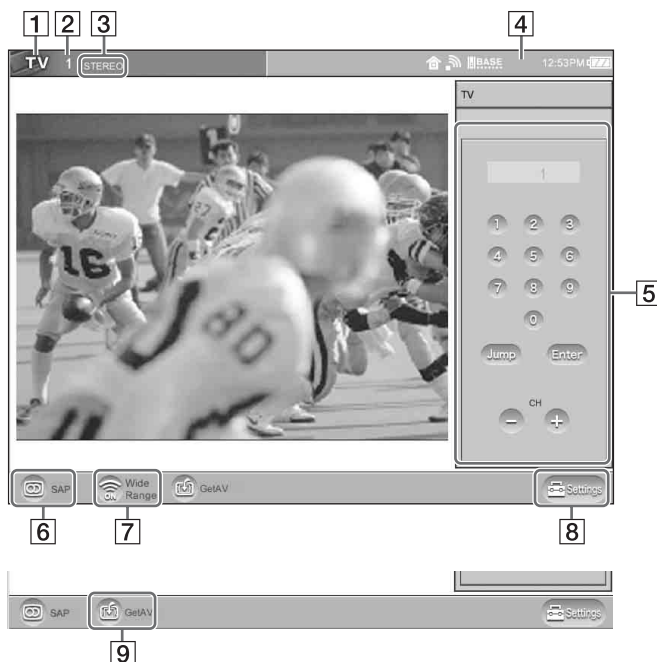


### Tip


Press the VOLUME – button on the Monitor for 2 seconds to silence the sound quickly.

# Using the TV/Video Screen

## Parts and controls on the TV/Video screen



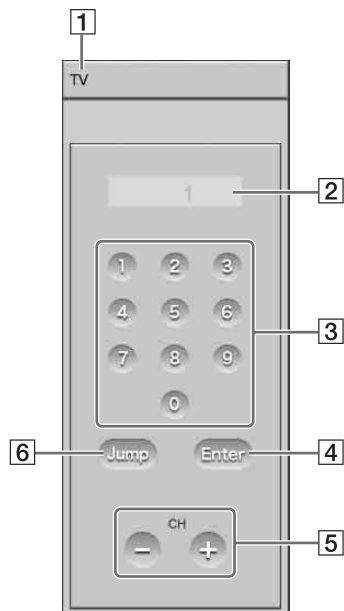
- 1 TV/Video mode indicator
- 2 TV channel number
- 3 SAP (Secondary Audio Program) mode indicator (☞ page 34)  
Displays [STEREO] or [SAP].
- 4 Volume level indicator  
The volume level indicator disappears automatically about 5 seconds after an operation.
- 5 On-screen remote control  
Appears when you touch anywhere on the TV screen and allows you to select a channel. To hide the on-screen remote control, touch anywhere other than the on-screen remote control.
- 6 SAP button (☞ page 34)  
This can be selected when a SAP (Secondary Audio Program) signal is received.

- 7 Wide Range button (☞ page 33)  
In Home Wireless mode, this button widens the range over which the LocationFree TV can be used.  
This button does not appear in On the Go or Home-Wired mode, or when another registered LocationFree device is connected to the Base Station using NetAV.
- 8 Settings button  
Displays the [Settings] window.  
By selecting [TV/Video] in the [Settings] window, you can adjust the picture and sound quality, and make manual channel settings.
- 9 GetAV button  
[GetAV] appears here when  appears on the upper portion of the screen (appears when LocationFree device is connected to the Base Station using NetAV.).



## Overview of the On-Screen Remote Control

Depending on your settings and the devices connected to your system, the remote control may vary from the one illustrated here. The explanations in this section refer to the TV on-screen remote control when using the LocationFree TV internal tuner.



- 1** Remote control name
- 2** Channel display
- 3** Number buttons  
To select a channel, use these buttons. After you enter a channel, click the [Enter] button or wait 3 seconds to confirm.
- 4** Enter  
To confirm the channel entered with the number buttons.
- 5** CH +/-  
To display the next channel, use the + button. To display the previous channel, use the - button.
- 6** Jump  
To jump from the current channel to the last channel, and then to the current channel, use this button.

## Using Wide Range Mode


Wide Range Mode enables you to extend the useful range of your LocationFree TV Monitor while in the Home-Wireless mode.

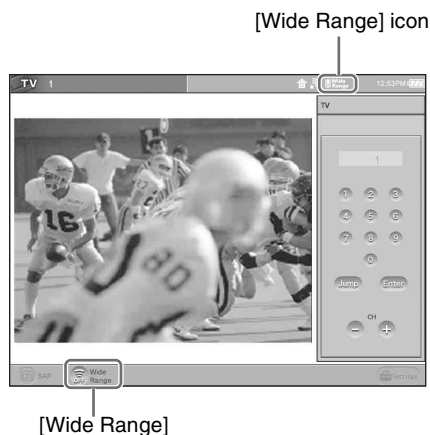
- Transmission distance for the Wide Range Mode varies depending on the location where you are using it.
- Transmission distance may not differ greatly from that of standard mode depending on the location where you are using it.

## Watching TV and Video in Wide Range Mode

### Turning ON the Wide Range Mode

Select the [Wide Range] button at the bottom of the TV/Video screen.

 is displayed at the top of the screen.




### Turning OFF the Wide Range Mode

With Wide Range Mode turned on, select the [Wide Range] button at the bottom of the TV/Video screen.

The Wide Range Mode turns off, and TV and video can be enjoyed in standard mode.

#### Notes

- Wide Range Mode cannot be selected when the transmission distance between the Base Station and

TV Monitor is too far, and  is displayed at the top right of the screen.

- When Wide Range Mode is selected, signal compression rate is increased, lowering picture quality but increasing transmission distance.
- TV and video images take a short while to display after turning on Wide Range Mode.
- Remote control commands for TV and video have a slower response when Wide Range Mode is selected.
- Wide Range Mode automatically turns off when the Monitor is switched to the Web Lite, Mail or Album functions. If you switch back to TV/Video, you must select Wide Range Mode again.
- Settings cannot be changed when Wide Range Mode is selected.  
If you wish to change settings, first turn off Wide Range Mode.

## Selecting a Secondary Audio Program (SAP)

The secondary audio program (SAP) mode is available for television broadcasts that include multiple audio tracks.

.....

When a TV program with multiple audio tracks is tuned in, repeatedly select [SAP] at the bottom left of the screen to switch among audio tracks. [SAP] can be selected when a SAP (Secondary Audio Program) signal is received. Each time the [SAP] button is pressed, [STEREO] or [SAP] appears in the bar on the screen.

.....

### Tip

To select an SAP option for connected other device, use the remote supplied with the connected equipment.

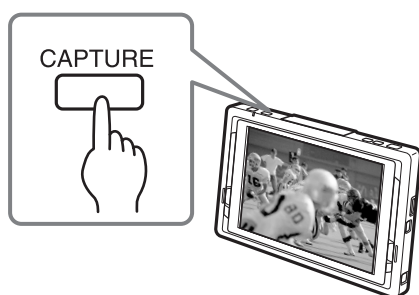
# Capturing Images

With the CAPTURE button on top of the Monitor, you can capture an image of the currently displayed screen. You can then save captured images automatically in an album to enjoy later at your convenience.

\* Captured images cannot be used for purposes other than personal use without the permission of copyright holders.

- A slide show is in progress.
- A message is displayed.
- The [Stylus Calibration] window is displayed.
- An enlarged album image is displayed.
- You cannot capture images on TV immediately after changing channels. This is also true when copyguard signals are detected.
- Images input from an external source, such as a DVD, including a copyguard signal, are displayed.
- An MPEG movie is playing.

- 1 Press CAPTURE when a scene appears that you want to save.



The captured image is displayed in the capture list and saved in the album.



## Note

Captured images are not saved in the album if you turn off the Monitor or the battery runs out while the capture list is displayed.



## Tips

- When you capture a web page, you can choose a specific image on the page to save in the Album.
- You cannot capture the screen if:
  - The [Index] window is displayed.
  - You have just captured an image.

# About the Sub-Screen

If there is a [PIP] button at the bottom right of the screen, you can select it to display a sub-screen for watching TV and video.

The [PIP] button appears in Web Lite and Mail windows, and in some of the setup windows that you open from the [Settings] window.



**Tip**

When you open it, the sub-screen displays the most recent TV or video channel.

## Note

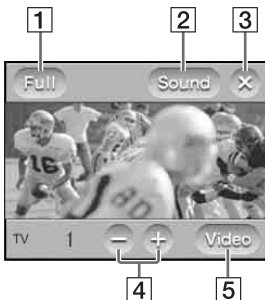
You cannot open the sub-screen when the Monitor is in On the Go mode and Wide Range Mode, and when the TV/Video window is open.




[PIP]

## Overview of the sub-screen

Bars appear at the top and bottom when you touch the sub-screen.



- 1 Full Screen button  
Switches the sub-screen to full-screen display.
- 2 Sound button  
Hides the sub-screen picture, so that only the sound of the TV or video is heard.
- 3  button  
Closes the sub-screen.
- 4 [-], [+]  
When using the internal tuner, you can change channels in the sub-screen using [-] and [+].
- 5 Video button  
Switches the Monitor video input.  
Select repeatedly to cycle through VIDEO 1, VIDEO 2, and VIDEO 3 (Monitor Video In).

## To move the sub-screen

Touch the sub-screen with the stylus and drag it to a new location.



**Tip**

You cannot move the sub-screen when the following windows are displayed:

- [Index] window
- Capture list
- Dialog message
- On-screen keyboard
- Web browser page list

## Switching the Monitor Connection Mode

This section explains how to switch the Monitor connection type. Use the following procedure when you take the Monitor with you away from home and when you return home.



### Tip

Depending on the connection mode, you must perform the LAN connection settings beforehand on the Base Station and Monitor. For details, see the reference pages indicated in each section.

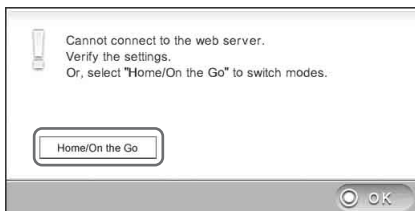
## To Switch Between Home Mode and On the Go Mode

Select Home mode to watch TV and browse the Web at home. Also select Home mode when you want to change Base Station settings. Switch to On the Go mode when you want to use public wireless access services away from home. For details, see “Using Monitor On the Go” (☞ page 38). See “NetAV” (☞ page 44) for more information about NetAV settings.



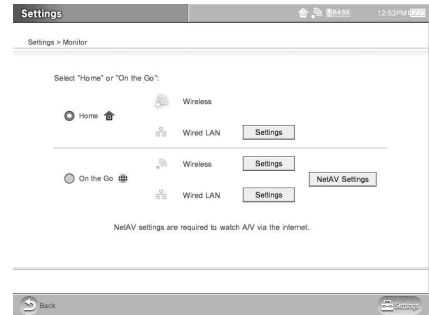
### Tips

- At the time of purchase, the connection mode is set to Home mode.
- If the Monitor connection mode is not set correctly, an error message will appear when you try to connect to the network, and you will not be able to connect. If this occurs, select [Home/On the Go] to switch the Monitor connection mode.



- 1 Display the [Settings] window, and then select [Monitor].  
The [Monitor] window appears.

- 2 Select [Home] or [On the Go].



- 3 Select [Back] or [Settings], and then select [Exit].

# Using Monitor On the Go

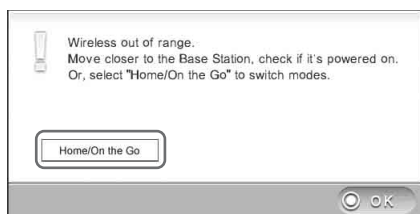
You can use the Monitor away from home if you connect it to a wireless or wired LAN. You can connect to an access point of a public wireless LAN or a wired LAN in, for instance, a cafe or a hotel and then watch TV or a video, browse the Web, or check your mail.

## Searching For and Connecting to an Access Point

If you attempt to connect to a public wireless access point at a cafe or an airport lobby with the Monitor still in Home Wireless mode, a message appears prompting you to switch the Monitor to On the Go mode.

- 1 Turn on the Monitor.  
An error message will appear.

- 2 Select [Home/On the Go] to switch to On the Go mode.



The [Home/On the Go] window appears.

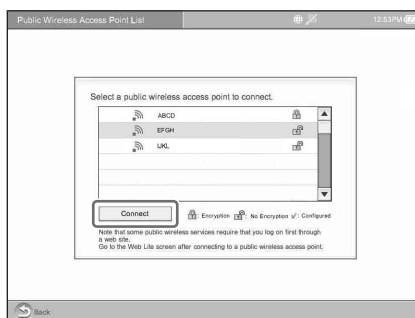
- 3 Select [On the Go], and then select [Back].




- 4 Perform the corresponding operation necessary for connecting to the network. For example, to watch TV or a video, select [TV], [Video 1], or [Video 2] from [Index]. To browse the Web, select [Web Lite] from [Index].  
An error message will appear.

- 5 Select [OK].

- 6 Select the wireless network to which you want to connect and then select [Connect].



### Tip

- If the  icon appears beside the network, [WEP] or [WPA-PSK with TKIP] needs to be entered in the [Security Settings] in [Public wireless]. About the [Security Settings], see "Configuring a Wireless Network" (page 40).
- You can also establish a connection if you select a wireless access point from [Settings].


For details, see “Connecting to an access point”  
(📖 page 41)

**Note**


The ability to connect to all public wireless access services is not guaranteed.

**Tip**






The meanings of the icons appearing in the Wireless Network list are as follows.

: The wireless network connected to automatically when the Monitor starts, or when switching from a wired to a wireless connection in On the Go mode after the monitor starts.

**[Signal]**

: A currently accessible wireless network.

**[Security]**

- : A not user-configured wireless network with no-encryption.
- : A not user-configured wireless network with encryption.
- : A user-configured wireless network with encryption.
- : A user-configured wireless network with no-encryption.
- : A user-configured wireless network with stealth function or a user-configured wireless network that is unable to detect a signal.

- .....
- 7** If the message “Do you want to connect this wireless access point automatically from next time?” appears, select [OK] or [Cancel]. If you want to connect to the wireless network (SSID) you selected in Step 6 each time the Monitor starts, select [OK].

**Tip**

Only one Wireless Network (SSID) can be selected. This message does not appear if a Wireless Network (SSID) is already selected as “Auto connect”.


- .....
- 8** Check your network connection. Wait until an icon appears at the top of the screen to indicate that a network connection has been successfully established.




Network is not accessible.



Network connection successful.



The  icon flashes while an IP address is being acquired from a DHCP server.  
The signal level indicated by the wireless icon may also be level one or level two depending on signal strength.

**Note**

If the  icon does not appear or is flashing, repeat Steps 4 to 8. For a wireless access point that already has the security settings information entered, check the [Security Settings]. Check the access point settings to be sure that they follow the instructions of the provider.

- .....
- 9** Display the index window and select [Web Lite].  
If a web page that you choose appears, then the setup is completed. Some providers automatically display an authentication screen when you access their public wireless access services. Follow the instructions on the screen and enter your ID and password. For details, refer to the information provided by the public wireless LAN operator.

**Tip**

If you attempt to display a web page before the  icon appears (no flash), a message appears warning that no Internet connection is available. If this occurs, wait until the  icon stops flashing, and then select [Home].

**Note**

Some providers charge for all time you are online – from authentication to logout. For details, refer to the information of the network provider.

## Configuring a Public Wireless LAN Connection Manually

For standard wireless access service, these settings are not necessary. But when accessing a wireless network that requires a WEP key or WPA-PSK with TKIP, configure the following settings before connecting.

## Configuring a Wireless Network

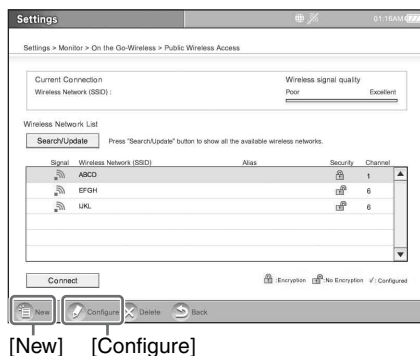
- 1 Display the [Settings] window, and then select [Public Wireless].  
The [Public Wireless Access] window appears.  
[Public Wireless] cannot be selected unless the Monitor connection mode is Wireless On the Go. If the Monitor is in Home mode, select [Monitor] and then select [On the Go].



### Tip

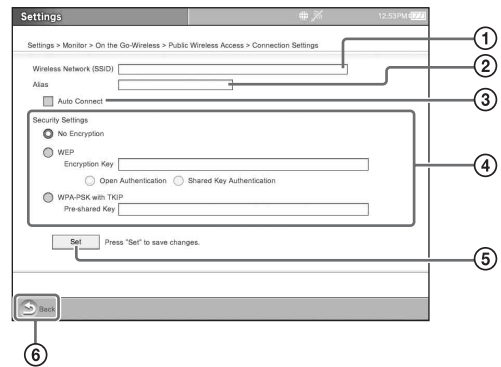
You can also display the [Public Wireless Access] window by selecting the [Settings] button next to [On the Go-Wireless] in the [Monitor] window, and then selecting [Public Wireless Access].

- 2 Select the desired network connection and then select [Configure], or select [New].



The [Connection Settings] window appears.

- 3 Enter the necessary information, while referring to the information provided by the public wireless LAN operator.



- ① Enter the Wireless Network (SSID)\* specified by the public wireless LAN operator.  
\* Other terms for “SSID”: “ESS-ID”, “ESSID”, “Network name”, “Service Set Identifier”.
- ② Enter an alias (up to 16 characters).  
If the Wireless Network (SSID) of your service provider is hard to remember, it is convenient to assign an alias that is easier to remember.
- ③ Select this to connect to this Wireless Network (SSID) automatically when the Monitor starts in On the Go mode.  
Only one Wireless Network (SSID) can be specified for automatic connection.
- ④ Make the security settings referring to the information provided by the public wireless LAN operator.



### Tip

If you select [WEP] or [WPA-PSK], see ④ of “Encryption key or Pre-shared Key” (page 73) to enter the Encryption Key or the Pre-shared Key.

- ⑤ Select [Set] when you have set all of the items.
- ⑥ Select [Back].  
Return to the [Public Wireless Access] window.



- 4** Select [Back].  
If you selected [Public Wireless] in the [Settings] window in step 1, you return to the [Settings] window.  
If you selected the [Settings] button next to [On the Go-Wireless] in the [Monitor] window in step 1, you return to the [On the Go-Wireless] window. In this case, you return to the [Settings] window if you select [Back] twice.

- 5** Set up your wireless connection.  
Make the settings described in “Connecting via LAN (DHCP)” (☞ page 83) or “Connecting via LAN (assigning an IP address manually)” (☞ page 84), as specified by your provider.



#### Tip

Most providers will instruct you to connect via LAN (DHCP).

- 6** Select [Settings], and then select [Exit].

## Connecting to an access point

- 1** Display the [Settings] window, and then select [Public Wireless].  
The [Connection Settings] window appears.

[Public Wireless] cannot be selected unless the Monitor connection type is Wireless On the Go mode. If the Monitor is in another mode, select [Monitor] and [On the Go]. Then select [Settings] next to Wireless On the Go mode, and select [Public Wireless].

- 2** Select the access point from the [Wireless Network List], and then select [Connect].




[Connect]

Select an access point.

The wireless network (SSID) and signal quality appear under [Current Connection] when you connect to an access point.

### Notes

- On some access points, a  mark beside the wireless network (SSID) may not appear, even when it is accessible.
- If the message “Searching for (wireless network)” displayed below “Current Connection” does not disappear after a while, reselect [Connect]. For a wireless access point that already has authentication information entered, check the [Security Settings].
- On the web page or mail, there is danger of personal information being leaked or stolen, if you connect to an unencrypted access point. For details on wireless security, see “About Wireless Security” (☞ page 5).


- 3** Check your network connection.  
Wait until an icon appears at the top of the window to indicate that a network connection has been successfully established.



Network is not accessible.



Network connection successful.



The  icon flashes while an IP address is being acquired from a DHCP server.

The signal level indicated by the wireless icon may also be level one or level two depending on signal strength.

#### Note



If the  icon does not appear, or if the  icon does not stop blinking, then the security settings may not be correct.

Check the access point settings to be sure that they follow the instructions of the provider.

## 4 Display the index window and select [Web Lite].

If the web page that you chose appears, then the setup is completed. Some providers automatically display an authentication screen when you access their public wireless access services. Follow the instructions on the screen and enter your ID password. For details, refer to the information of the public wireless access service provider.

#### Tip

If you attempt to display a web page before the  icon appears (no flash), a message appears warning that no Internet connection is available. If this occurs, wait until the  icon stops flashing, and then select [Home].

#### Note

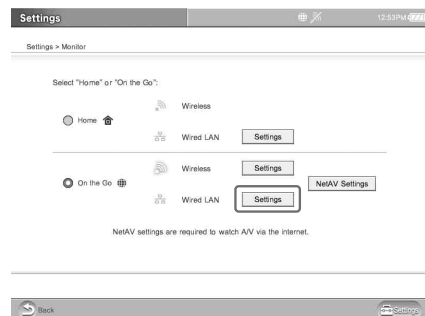
Some providers charge for all time you are online – from authentication to logout. For details, refer to resources on the web site of the network provider.

## Connecting to a On the Go-Wired LAN

Using a LAN cable (not supplied), you can connect the Monitor to a wired LAN in a hotel or other public facility, so that you can view web pages and check your mail via the Internet. Contact your service provider for details about the information needed to connect to the network. Some providers charge for all time you are online – from authentication to logout. For details, refer to the information of the network provider.

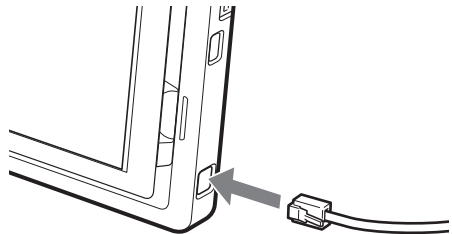
### 1 Display the [Settings] window, and then select [Monitor]. The [Monitor] window appears.

### 2 Select [Settings] next to wired LAN On the Go mode.



The [Wired Monitor Settings] window appears.

### 3 Using a LAN cable (not supplied), connect the Monitor to the Internet terminal at the location where you are connecting.





- .....
- 4** Set up your wired connection.  
Make the settings described in “Connecting via LAN (DHCP)” (🔗 page 83) or “Connecting via LAN (assigning an IP address manually)” (🔗 page 84), as specified by your provider.



**Tip**

Most providers will instruct you to connect via LAN (DHCP).


If the connection to the wired LAN network succeeds, the  icon appears (no flash) at the top of the screen. When the  icon is flashing, wait until it stops flashing.



Network is not accessible.



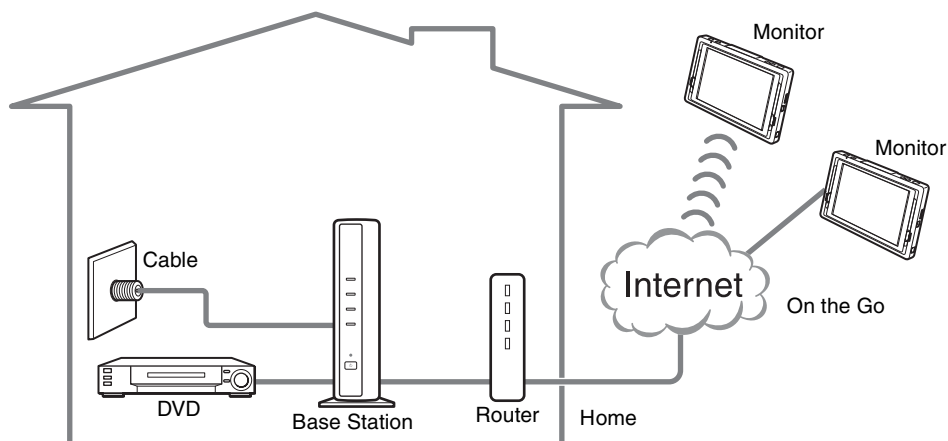
Network connection succeeded.

The  icon flashes while an IP address is being acquired from a DHCP server.

- .....
- 5** Display the index window and select [Web Lite].  
In some connection environments, an authentication window for the connection service may appear. In this case, enter the necessary information.
- .....

## What is NetAV?

NetAV is a function that allows you to connect to your home Base Station via public wireless access and hotel LAN terminals, so that you can watch TV over the Internet.



### Tip

The latest information is also available on the following website.

LocationFree TV FAQ

(<http://www.sony.com/locationfree/faq/>)

### Note

To use the NetAV function, you need to set up both the Base Station and the Monitor before leaving home. You also need to turn on the Base Station, router and modem before leaving home, so that you can connect to them over the Internet.

## Overview of NetAV Setup

### Check Your Internet Connection (🔗 page 45)

- Check that the Internet connection meets the requirements for using NetAV.

### Easy Setup (NetAV) (🔗 page 45)

- Make the NetAV settings.
- If the settings cannot be made using Easy Setup (NetAV), see “Advanced NetAV Settings” (🔗 page 74)

### NetAV Check (🔗 page 46)

- Check that your NetAV settings are correct at home.

### Using NetAV (🔗 page 46)

# Check Your Internet Connection

To use the NetAV function, you must first connect the Base Station to the Internet.

You can connect the Base Station to the Internet over a DSL line or a cable TV line, see “Connecting to the Internet” (☞ page 19).

## 💡 Tips

- To use the NetAV function, we recommend a broadband connection to the Base Station 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 TV using NetAV.

## Note

- The NetAV function cannot be used with the following connection types:
  - Analog modem connections
  - Connections via a proxy server
  - Cable TV networks or communal LANs in apartment complexes that do not provide Global IP addresses.
- Dropped frames, broken audio, and noise can occur when the connection speed is slow.
- If there is a firewall in your home network, you must configure it to allow the NetAV function to use port number 5021 (default port at time of purchase). For details, refer to the documentation of your router or network equipment.

# Easy Setup (NetAV)

By using Easy Setup (NetAV), you can set up the NetAV function quickly and easily.

The following conditions must be met to use [Easy Setup (NetAV)]:

- Your router is UPnP compatible.
- You need to agree to the supplied “Dynamic DNS Terms-of-Use Agreement.”

## 💡 Tips

- Some UPnP compatible routers are compatible only with specific messenger services and games. For such a router, set port forwarding.
- If the router you are using is not compatible with UPnP, refer to “Advanced NetAV Settings” (☞ page 74) and make the necessary settings.

## Setting up your LocationFree TV

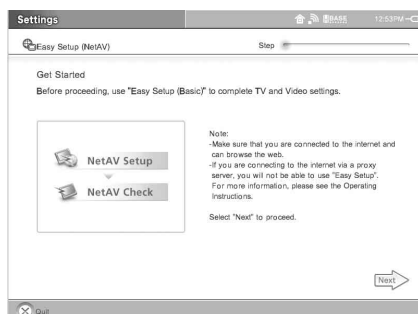
Before starting, you need to finish making connections and settings, so that the LocationFree TV is in the following state.

- You have finished making TV and video connections and settings, so that you can actually watch TV and video.
- You have finished making Internet connections and settings, so that you can view web pages with Web Lite.

## NetAV Setup

Follow the instructions in the [Easy Setup (NetAV)] window.

- For more information about how to use [Easy Setup (NetAV)], refer to the supplied Quick Start Guide.
- Make [Easy Setup (NetAV)] settings in Home Wireless mode.



## NetAV Check

In [NetAV Check], you perform a test of your NetAV connection via the Internet. [NetAV Check] is displayed on a web page. When the [NetAV Check] window appears, follow the instructions in the window to check that the NetAV settings are configured correctly.

### Notes

- This check cannot be done in On the Go mode. Always do it at home.
- Before starting, make sure that you can view web pages with Web Lite.
- If the [NetAV Check] window does not appear, check your Internet connection.



### Tip

You can also proceed to [NetAV Check] from the [Easy Setup] window, see “Displaying the [Easy Setup] Window” (🔗 page 24).

## Using NetAV

### Note

The Base Station must be turned on to use the NetAV function when you are away from home. If you want to use the NetAV function, make sure that your Base Station and router are turned on.

**1** Connect to the Internet in On the Go. See “Connecting to a On the Go-Wired LAN” (🔗 page 42) for information about connecting via a wired LAN. See “Searching For and Connecting to an Access Point” (🔗 page 38) for information about connecting wirelessly.

**2** Display a web page to confirm that the Monitor’s Internet connection is set up correctly.

- ① Press the [Index] button at the top of the Monitor, and then select [Web Lite] from the index window.
- ② Check that the web page set as your home page displays correctly.

**3** Select [TV], [Video 1], or [Video 2] from the [Index] window.



[NetAV]

The Monitor connects to NetAV automatically.

If it does not connect to NetAV automatically, select [NetAV] button.

The **NETAV** icon appears at the top right if the Monitor successfully connects to your

 **Tip**

## Watching TV and videos with NetAV

Also, if you connect the supplied IR Blaster, you can control your home video equipment by using an on-screen remote control.

## Tips

- It may not be possible to view some kinds of copy-protected material.
- When you change channels while using NetAV, it could take some time before the picture appears.

## To change the TV screen size

You can change the TV screen size by selecting [Resize]. Each selection changes to the next size, in three steps. At the time of purchase, the Monitor is set up to display a full screen.



[Resize]

 **Tip**

At some connection speeds, a full-screen picture may be rough. A smoother picture may be shown by selecting a smaller screen size.

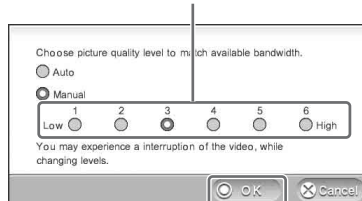
## To change the streaming rate

You can adjust the streaming rate according to the bandwidth available on your network connection. This allows you to watch TV or video with the optimum quality.

Normally, selecting [Auto] sets the optimal video rate in accordance with available bandwidth. When selecting a rate manually, note that a higher (larger number) rate results in higher picture quality, but a higher rate requires a larger bandwidth and video will tend to keep stopping and starting if there is insufficient bandwidth for the higher rate.

- 1** Select [Rate].  
The rate setting window appears.
- 2** Select [Auto] or [Manual].  
The optimum rate is set automatically when you select [Auto].  
If you select [Manual], choose the rate from among 6 steps.

Select a speed.



[OK]

### Note

When you switch between [Auto] and [Manual], change the rate from [1] or [6] to another rate, or change from another rate to [1] or [6] while connected, NetAV is disconnected and then reconnected automatically.

- 3** Select [OK].  
You can change the rate even while you are not using NetAV.

## To quit NetAV

Select [End] at the bottom of the window.

## Viewing Web Pages

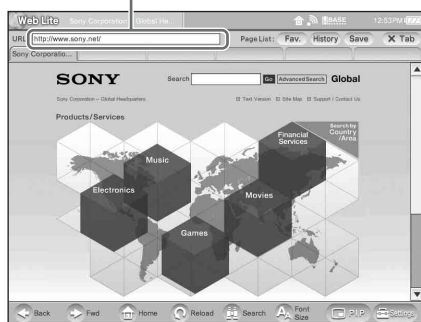
LocationFree TV differs from browsers designed for computers.

This section explains how to display the Web window and open web pages.

- 1 Open the [Index] window and select [Web Lite].  
The Web Lite window appears.

- 2 Select the URL field.

URL field



The on-screen keyboard appears.

- 3 Using the on-screen keyboard, enter a web address (such as the Sony website):  
<http://www.sony.com/>  
Then select [Enter].

URL:

The on-screen keyboard disappears and the unit starts downloading the Sony web site. While downloading, the Web icon at the top left of the screen moves. When downloading is finished, the Sony web site opens and the Web icon stops moving.

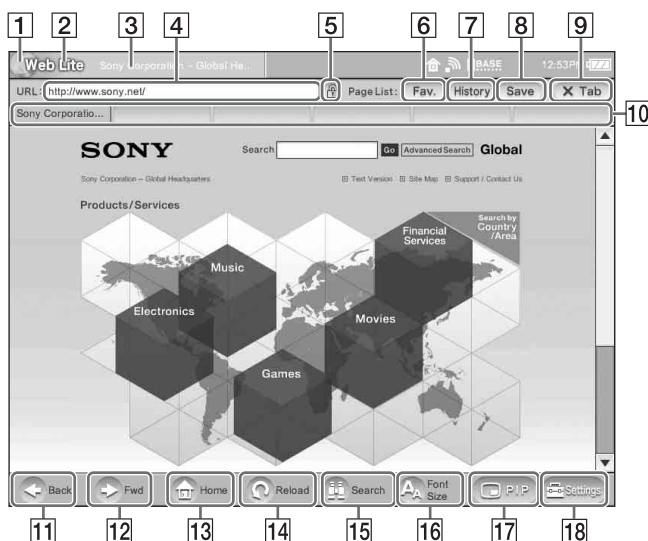
### Note



- Your contract with an Internet Service Provider (ISP) may prohibit you from accessing the Internet from more than one device at a time. For more information, check with your ISP.
- If you want to use HTTP proxy server, open the [Settings] > [Web Lite] > [Proxy Server] and enter [Host Name] and [Port Number].
- Some web pages may not be able to be displayed or may be displayed incorrectly because the browser of




# Using the Web Lite



## Parts and controls on the Web Lite window



- 1** Web icon  
Moves when a web page is being downloaded.
- 2** Web Lite indicator
- 3** Page title  
Displays the title of the web page in the currently selected tab.
- 4** URL field  
Displays the address of the current web page.
- 5**  SSL icon  
Appears when a web page encrypted by SSL (Secure Socket Layer) is open.
- 6** Fav. (favorites)  
Displays the [Page List: Fav.] window, where you can save and access your favorite web page addresses.
- 7** History  
Displays the [Page List:History] window, where you can access the web pages you have opened recently.
- 8** Save  
Displays the [Page List: Save] window, where you can save the current web page. You can open saved web pages later without being connected to the Internet.
- 9**  Tab  
Closes the web page displayed on the current tab and leaves the tab blank.
- 10** Tab  
The LocationFree TV web browser supports tabbed browsing. You can load up to 6 pages into the tabs and switch between them.
  - The page loaded into a tab appears when you select the tab.
  - The first page to appear when you turn the Monitor on and display the Web Lite window is your default page. This page is assigned to [Home]. It appears automatically in the leftmost tab.
  - When you select a link that opens another tab, the linked page is loaded into an empty tab.
  - When all six of the tabs are in use, the message “Tabs full. Can’t open new page.” appears in the bar at the top of the screen if you attempt to open a new tab. In this case,

select  Tab to close a page that you do not need anymore, and then select the link again.

- [11]** Back  
Opens the previous web page.
- [12]** Fwd (forward)  
Opens the next web page.
- [13]** Home  
Opens the web page you have specified as the default page.
- [14]** Reload  
Reloads the current web page.  
Stop: Stops loading the web page.



- [15]** Search  
Searches the current page for a specified character string.  
Copy: Copies highlighted text.
- [16]** Font Size  
Changes the font size of all characters on the screen.
- [17]** PIP ( page 36)  
Displays TV or video in the sub-screen.
- [18]** Settings ( page 80)  
Displays the [Settings] window.  
Select [Web Lite] in the [Settings] window to configure settings for web browsing.

---

## After viewing a web page that requires user authentication

To protect user's privacy, some web pages, before allowing access, require users to log in with a user ID (the user's name, etc.) and password to verify their identity. When finished viewing one of these web pages, make sure to select "log out," if available, before proceeding to another web page. If you do not log out, other people may find out your personal information.

On the Internet, there is a danger of personal information being leaked or stolen. This device supports SSL to encrypt information for increased security.

When a web site that supports SSL encryption is displayed,  appears to the right of the URL field in the browser. SSL information appears when you select the  icon.

## Viewing PDF Files On the Web

When you select a PDF link on a web page, the PDF file is downloaded and then appears in a tab. You can view the PDF file with the following tool buttons.



- ① Go to the first page of the document.
- ② Go to the previous page.
- ③ Go to the next page.
- ④ Go to the last page of the document.
- ⑤ Current page number / number of pages in the document.
- ⑥ Zoom out.
- ⑦ Zoom in.
- ⑧ Revert to default size.
- ⑨ Rotate the page orientation 90 degrees counterclockwise.
- ⑩ Rotate the page orientation 90 degrees clockwise.

You can also move the page by dragging the document using the touch panel.

### Note

Even PDF files supported by the device may not display for some web pages.

## Other Web Lite Functions

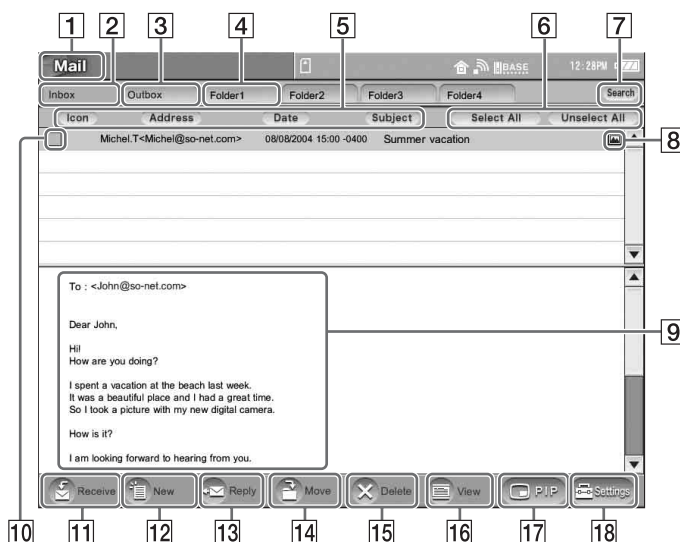
Other Web Lite functions are described on the Web.

For details, see

<http://www.sony.com/locationfree/faq/>

## Using the Mail Window

### Inbox and Outbox Windows



- 1** Mail indicator
- 2** Inbox tab  
Shows the list of received mail.  
The content of the currently selected mail is shown in the bottom half of the window.
- 3** Outbox tab  
Shows the list of sent mail and mail temporarily saved for future editing.  
The content of the currently selected mail is shown in the bottom half of the window.
- 4** Folder tab  
Appears when a Memory Stick is inserted.  
This allows you to move the mail you have sent and received to a Memory Stick.
- 5** Sort buttons  
Allow you to sort mail by icon, address, date, or subject. Each time you select the same sort button, sorting is switched between ascending and descending order.
- 6** Select All/Unselect All  
[Select All]: Selects all check boxes for mail in the displayed tab.  
[Unselect All]: Clears all check boxes for mail in the displayed tab.
- 7** Search  
Allows you to search by keyword for mail in the specified tab.
- 8** Picture-attached icon  
Appears when a picture file is attached to a mail. When the attached file is not a picture, a paperclip icon appears instead.
- 9** Preview display  
Shows the content of the currently selected mail in the Inbox, Outbox, or Folder tab.
- 10** Check box  
A check mark is added or removed from this box each time you select it.
- 11** Receive  
Checks for new mail.
- 12** New  
Allows you to compose a new mail.
- 13** Reply, Resend, or Edit  
Reply, Resend, or Edit appears depending on the content of the currently selected mail.  
Reply: Displays the window for replying to mail.

Resend: Displays the window for editing and sending mail that you have already sent.

Edit: Displays the window for editing mail.

**14** Move

Moves specified mail to a folder on a Memory Stick.

**15** Delete

Deletes specified mail, including any attached files.

**16** View

Displays the text of the selected mail on the entire screen.

**17** PIP

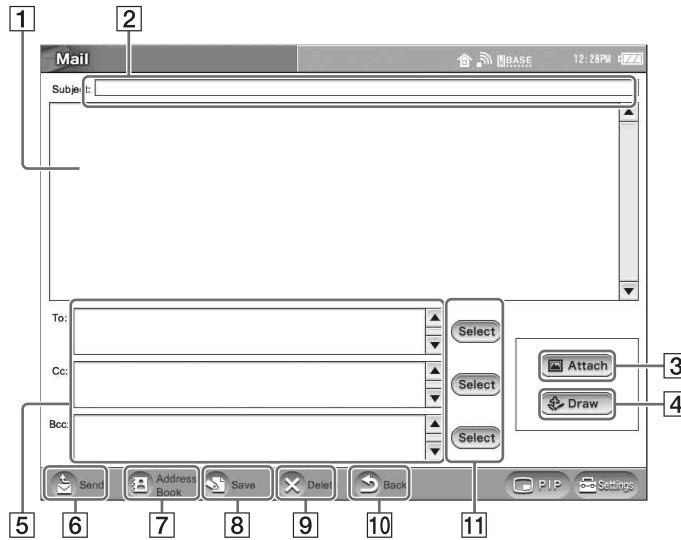
Displays TV or video on the sub-screen.

**18** Settings

Displays the [Settings] window.

Select [E-mail] in the [Settings] window to configure mail settings, such as font size.

## Compose Mail window



- |  |  |
|--|--|
| <b>1</b> Text field<br>Enter the body of message.                                    | <b>7</b> Address Book<br>Displays the Address Book.  |
| <b>2</b> Subject field<br>Enter the subject of the mail.                             | <b>8</b> Save<br>Saves the current mail in the Outbox for you to finish later.   |
| <b>3</b> Attach<br>Use to select pictures to attach to the mail.                     | <b>9</b> Delete<br>Deletes the currently selected mail.  |
| <b>4</b> Draw<br>Use to create and attach a hand-drawn picture and text to the mail. | <b>10</b> Back<br>Quits mail composition and returns to the Outbox or Inbox. Mail that has not finished being composed is saved in the Outbox. |
| <b>5</b> Recipient fields<br>Enter the mail addresses of recipients.                 | <b>11</b> Select (To/Cc/Bcc)<br>Display the Address Book, so you can select mail recipients.   |
| <b>6</b> Send<br>Sends a composed mail.  |  |

### Note

The LocationFree TV does not support data encryption when sending e-mail.  
Take particular note of this when dealing with sensitive information.

## Other Mail Functions

Other mail functions are described on the Web.  
For details, see  
<http://www.sony.com/locationfree/faq/>

## Using the Album Window



- 1** Album indicator
- 2** Album tab (Internal memory)  
Shows the list of pictures saved on internal memory.
- 3** Album tab (for Memory Stick)  
Folder tabs appear when the Memory Stick is inserted. Allow you to copy saved pictures to Memory Stick.
- 4** Select All/Unselect All  
[Select All]: Selects the check boxes for all pictures in the tab.  
[Unselect All]: Clears the check boxes for all pictures in the tab.
- 5** Picture or Movie  
Select to enlarge pictures and play back movies.
- 6** Sort buttons  
Allow you to sort pictures by name or date last modified. Each time you touch the same sort button, sorting is switched between ascending and descending order.
- 7** Check box  
A check mark is added or removed from this box each time you select it.
- 8** Slide Show  
Sequentially displays all pictures in the tab or all pictures with check marks.
- 9** Draw  
Allows you to draw pictures and/or text.
- 10** Send  
Attaches a picture with a check mark to e-mail.
- 11** Info  
Allows you to change the name of a picture with a check mark, enlarge picture, play movie, and rotate image. Shows information such as image file size, shooting date, and date last modified.
- 12** Copy  
Copies pictures with check marks to or from a Memory Stick.
- 13** Delete  
Deletes pictures with check marks.
- 14** Settings  
Displays the [Settings] window.  
Select [Album] in the [Settings] window to configure album settings, such as renaming a folder on a Memory Stick.

## Other Album Functions

Other album functions are described on the Web.

For details, see

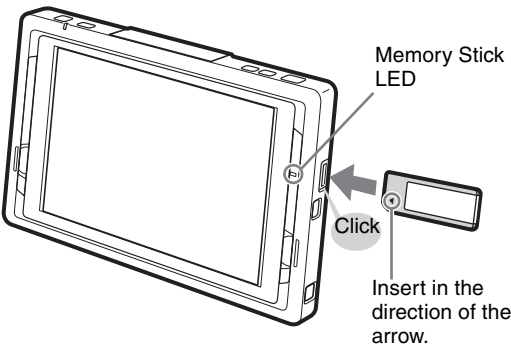
<http://www.sony.com/locationfree/faq/>



## Using a Memory Stick

### Inserting a Memory Stick

Insert a Memory Stick in the slot on the right of the Monitor until you hear it click.

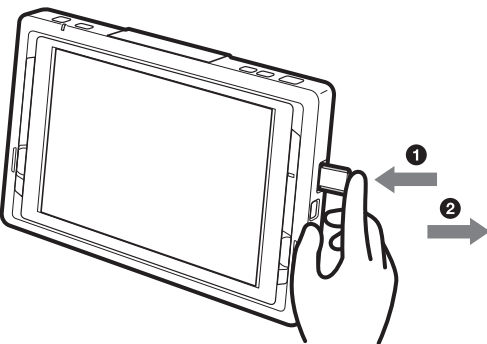


#### Tip

The Memory Stick LED lights orange when data is transferred between the LocationFree TV and the Memory Stick.

### Removing the Memory Stick

Slightly push the Memory Stick inward (1), and then remove it (2).



#### Notes

- Never remove the Memory Stick or turn off the power when:
  - The Memory Stick LED lights orange.
  - Mail or other data is being transferred to the Memory Stick.
  - Images or other data are being copied to the Memory Stick.
  - Data on the Memory Stick is being deleted.
  - The Memory Stick is being initialized.
- Data on the Memory Stick may be damaged if:
  - During data transfer, you remove the Memory Stick from the LocationFree TV, turn off the power to the Monitor, remove the AC power adapter, or the battery runs out. (The Memory Stick LED lights orange during data transfer.)
  - You use the Memory Stick in a location affected by static charge and/or electric noise.

## Supported Media Types

The following media types can be used with the LocationFree TV.

Memory Stick type	Read/Write
Memory Stick	Yes
Memory Stick (with memory select function)	
Memory Stick Duo <sup>*2</sup>	
Memory Stick (Magic Gate/High-speed data transfer compatible)	Yes <sup>*1</sup>
Memory Stick Duo <sup>*2</sup> (Magic Gate/High-speed data transfer compatible)	
Magic Gate Memory Stick	Yes <sup>*1</sup>
Magic Gate Memory Stick Duo <sup>*2</sup>	
Memory Stick PRO	Yes <sup>*1</sup>
Memory Stick PRO Duo <sup>*2</sup>	

<sup>\*1</sup> MagicGate cards can be used but the MagicGate function is not supported.

<sup>\*2</sup> A Memory Stick Duo adapter is needed to use Memory Stick Duo.

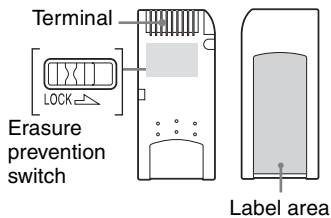
#### Notes

- There is no assurance that the LocationFree TV works with all Memory Stick media.
- The LocationFree TV supports Memory Stick sizes up to 4 GB. Operation with Memory Stick PRO media having higher capacity is not guaranteed.

## Memory Stick Media

### Notes on using Memory Stick media

- When you set the Memory Stick erasure prevention switch to “LOCK”, data cannot be saved, edited, or deleted.



The position and shape of the write-protect switch may differ among the various types of Memory Stick.

- Do not remove the Memory Stick while it is reading or writing data.
- Data may be damaged if:
  - The Memory Stick is removed or the LocationFree TV is turned off while reading or writing.
  - You use the Memory Stick in a location subject to the effects of static electricity or electric noise.
- We recommend that you back up important data recorded on the Memory Stick.
- Do not affix anything other than the supplied label to the Memory Stick label area.
- Affix the label so that it does not stick out beyond the label area.
- When storing or carrying a Memory Stick, keep it in its original case.
- Do not touch the terminal of the Memory Stick with anything, including your fingers or metallic objects.
- Do not strike, bend, or drop the Memory Stick.
- Do not disassemble or modify the Memory Stick.
- Do not allow the Memory Stick to get wet.
- Do not use or store the Memory Stick in locations subject to:
  - Extreme heat, such as in a closed car parked in the sun.
  - Direct sunlight.
  - Humidity or corrosive substances.

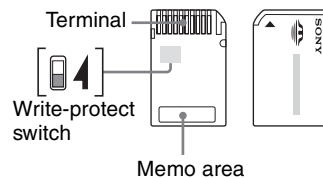
### About data

- When you set the Memory Stick erasure prevention switch to “LOCK”, data such as images and mail cannot be saved, edited, or deleted. Be sure to unlock the switch before transferring or copying data on the LocationFree TV to the Memory Stick, or erasing data on the Memory Stick.

- We recommend that you make a backup copy of important data on another Memory Stick or on a hard disk of a computer.
- Mails copied from a computer to a Memory Stick cannot be viewed by using the mail function of the LocationFree TV.  
Data copied into the “mail\_xu” folder (located in the “Airboard” folder within the “mssony” folder) of a Memory Stick using a computer will be deleted when you insert the Memory Stick into the LocationFree TV.

### Notes on using Memory Stick Duo

- Use a pointed object, such as a ballpoint pen, to move the Memory Stick Duo write-protect switch.
- Do not write forcefully on the Memory Stick Duo memo area.



### Notes on using the Memory Select function

- You cannot use multiple memory blocks simultaneously or continuously.
- Never operate the Memory Select switch when the Memory Stick is inserted in the slot of the LocationFree TV, as it may cause damage. Sony Corporation assumes no liability for failure resulting from such operation.
- Make sure that the Memory Select switch is properly positioned to the side. When the switch is not positioned properly, the LocationFree TV may be damaged or malfunction.
- Before inserting the Memory Stick in the slot of the LocationFree TV, make sure that the memory you want to use is already selected.
- A Memory Stick with the Memory Select function allows the user to select the internal memory of the Memory Stick with the selector switch. Care must be taken in the following cases as the supported devices only detect the selected memory:
  - Initializing is only processed for the selected memory.
  - The remaining memory is only indicated for the selected memory.
  - Errors are only displayed for the selected memory and are detected separately from the unselected memory.

# Initializing a Memory Stick

Follow the procedure below to initialize a Memory Stick using the LocationFree TV.

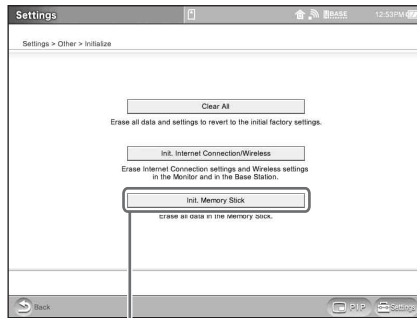
## Notes

- If you initialize a Memory Stick with the LocationFree TV, all data recorded on the Memory Stick will be deleted, including data recorded by other devices.
- Do not initialize a Memory Stick unless it is necessary.

**1** Open the [Settings] window, and select [Other].  
The [Other] window appears.

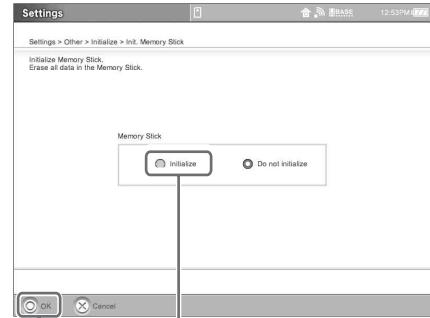
**2** Select [Initialize].  
The [Initialize] window appears.

**3** Select [Init. Memory Stick].



[Init. Memory Stick]

**4** Select [Initialize], then select [OK].



[OK] [Initialize]

## Note

Be sure to read the precautions shown on the screen.

A confirmation message appears.

**5** Select [OK].

## Note

Never remove the Memory Stick during initialization.


**6** When the message “Initialization finished” appears, select [OK].

## Note

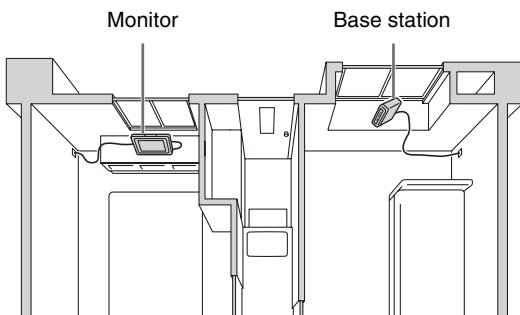
If you initialize a Memory Stick with other equipment, such as a computer, you may not be able to use it on the LocationFree TV. In this case, transfer all data in the Memory Stick to the other equipment, and then initialize the Memory Stick with the LocationFree TV.

## Watching TV/Video Via Wired LAN at Home

You can watch TV and video with the LocationFree TV “Home mode” via a wired LAN, as well as via a wireless connection. To use the wired LAN, you need to connect the Monitor to the Ethernet port on a wall or on a router with a LAN cable (not supplied).

The wired LAN connection is useful when video stops frequently due to a poor wireless connection and  appears at the top of the screen.

To connect to a home LAN, use the following procedure to make the necessary settings.



**Tip**

Different IP addresses must be assigned to the Base Station and the Monitor.

## Setting Up the Monitor

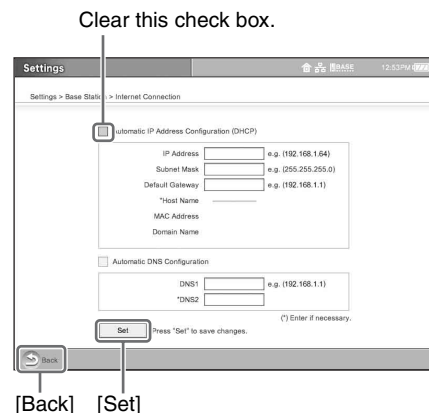
The IP address is set beforehand to be assigned automatically. Normally this does not need to be changed, but you can follow the steps below to set the IP address manually.

- 1 Open the [Settings] window and select [Monitor].  
The [Monitor] window appears.

- 2 Select [Settings] to the right of [Home-Wired LAN].  
The [Home-Wired LAN] window appears.

- 3 Select [Wired Monitor Settings].  
The [Wired Monitor Settings] window appears.

- 4 Clear the check from the [Automatic IP Address Configuration (DHCP)] check box, and then enter the address used in your home LAN or the address supplied by your Internet Service Provider (ISP), select [Set], and select [Back].



### Notes

- Manually enter information provided by your Internet Service Provider (ISP), such as IP addresses. If the information you enter is incorrect, the Monitor cannot connect to the Internet.
- Do not enter the same IP address as the Base Station. If you enter the same IP address, the Monitor and Base Station are unable to communicate and you cannot connect to the Internet or watch TV or video.

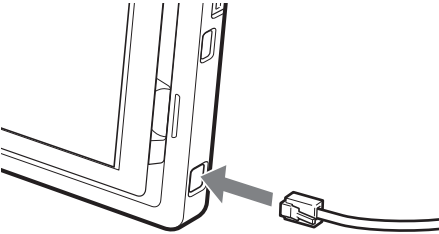
The [Home-Wired LAN] window appears.

- 5 Select [Back].  
The [Monitor] window reappears.

- 6 Select [Settings], and then select [Exit].

# Connecting via a wired LAN

After finishing the home wired LAN setup, connect the Monitor to an Ethernet port on the wall or on a router with a LAN cable (not supplied).



**Note**  
Depending on the performance of your router or hub, when watching TV or video via wired LAN, the Monitor may not be able to communicate correctly and other devices connected to the Internet may be adversely affected. When connecting by wired LAN, be sure to use a 10/100BASE-T router or hub.

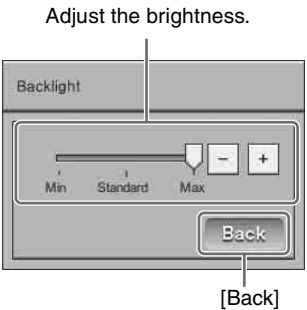
## Connect the Monitor wirelessly again

The Monitor is automatically set to Wireless Home mode whenever you disconnect the LAN cable (not supplied).

# Adjusting the Screen Backlight

You can adjust the backlight of the screen. This operation changes the backlight for all screens.

- 1 Open the [Settings] window and select [Backlight].  
The [Backlight] window appears.
- 2 Adjust the backlight and select [Back].  
Move the slider or select [-] or [+] to adjust the backlight.



Setting item	When [-] is selected	When [+] is selected
Backlight	Darker	Brighter

The [Settings] window is restored.

- 3 Select [Exit].

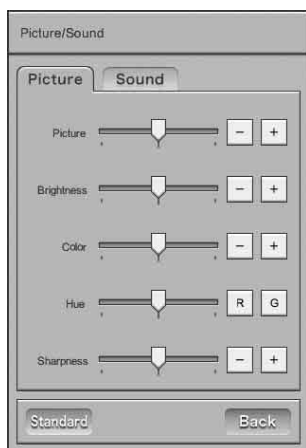
# Adjusting Video and Audio Quality

You can adjust the Monitor's picture quality, and adjust the quality of audio output from the Monitor's speakers.

- 1 Open the [Settings] window, and then select [TV/Video].  
The [TV/Video] window appears.

- 2 Select [Picture/Sound].  
The [Picture] tab of the [Picture/Sound] window appears.

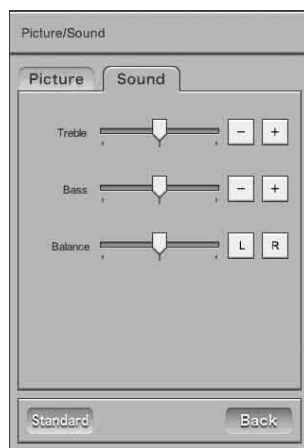
- 3 Adjust each item by selecting the [-] and [+] buttons, or moving the sliders to the left and right.



## Tip

Select [Standard] to return to the original settings.

- 4 To adjust the audio quality, select the [Sound] tab and adjust the items in the tab with the same operations.



## Tip

Select [Standard] to return to the original settings.

- 5 Select [Back].  
The [TV/Video] window reappears.

- 6 Select [Settings], and then select [Exit].

## Changing the Wireless Channel Manually (Home Wireless)

At the time of purchase, the LocationFree TV is set up to select the best channel automatically, either 2.4 GHz or 5 GHz.

When the wireless communication signal becomes unstable during wireless operation, the LocationFree TV automatically shifts to the clearest wireless channel. In the following situations, however, you should change the wireless channel manually:

- TV pictures are frequently interrupted.
- You want to set the optimum wireless channel manually.
- Another wireless device using the same frequency is located near the unit.
- You want to connect a computer to the Base Station as a wireless access point.

### Notes

- While configuring the wireless channel, do not turn off the Base Station or Monitor.
- While configuring the wireless channel, place the Monitor next to the Base Station.

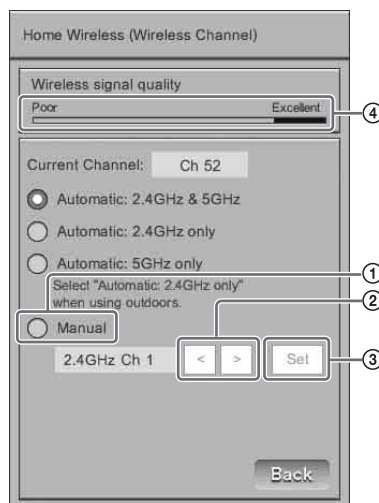


### Tip

You can check the wireless networks in use near the LocationFree TV in the [Public Wireless Access] window (☞ page 40). When your wireless LAN reception is poor, check whether there is another wireless network nearby that is using the same channel.

- 1 Open the [Settings] window and select [Home Wireless].  
The [Home Wireless (Wireless Channel)] window appears.

- 2 Adjust the necessary items.



- ① Select [Manual].
- ② Select a wireless channel.
- ③ Select [Set].
- ④ Check the wireless signal quality.  
If it is poor, change the wireless channel again to find a better channel.

### Note

The channels in the 5150-5250 MHz frequency band (the channels are 36, 40, 44, 48) are limited by the FCC, Industry Canada and some other countries to indoor use only. Do not use these channels outdoors. Set the channel manually to the another channel or [Automatic: 2.4 GHz only] when using outdoors.

- 3 Make sure you can watch TV or video through the wireless channel you have selected and then select [Back].  
The [Settings] window is restored.

- 4 Select [Exit].



### Tip

The LocationFree TV uses the 2.4 GHz and 5 GHz channels. If you select [Automatic: 2.4GHz & 5GHz], [Automatic: 2.4 GHz only] or [Automatic: 5 GHz only], the Base Station automatically selects the optimum wireless signal for the specified band.

## Using another wireless device nearby

If you are using two or more Base Stations within close range, or using your Base Station in range of a 2.4 GHz or 5 GHz wireless access point that conforms to IEEE802.11a, b, or g standards, the wireless signal from the Base Station to the Monitor may be disrupted. In this case, set your Base Station to [Automatic: 2.4GHz & 5GHz], [Automatic: 2.4 GHz only] or [Automatic: 5 GHz only] in the [Home Wireless (Wireless Channel)] window, and then set the wireless access point to a fixed channel. If images still do not display properly on the Monitor, select [Manual] in the [Home Wireless (Wireless Channel)] window and manually change to a different channel than that set for the wireless access point.

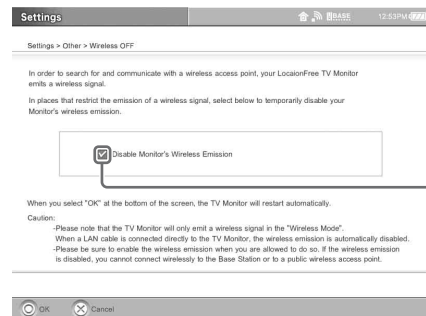
### Note

The term “wireless access point” above does not refer to the wireless transmission function of the Base Station, but to a separate wireless transmission device.

## Stopping Wireless Signal Emissions From the Monitor

The Monitor is set to wireless connection whenever it is not capable of communicating over the wired LAN, for example when you have disconnected the LAN cable (not supplied). In this state, a wireless signal is emitted. In places where wireless emissions are restricted, disable wireless on the Monitor.

- 1 Open the [Settings] window, and then select [Other].  
The [Other] window appears.
- 2 Select [Wireless OFF].  
The [Wireless OFF] window appears.
- 3 Check the [Disable Monitor's Wireless Emission] check box, and then select [OK].



A confirmation message appears.

- 4 Select [OK].  
The Monitor's power is turned off, and then on again automatically.

### Note

If wireless is disabled, the Monitor cannot connect wirelessly to the Base Station or a public wireless access point.



# Setting Up TV Channels Manually

Manually edit TV channels when:

- You want to delete a channel from those preset during automatic channel setup.
- You want to add a channel that does not appear in the list.

## Channels this product can receive

VHF: 2-13

UHF: 14-69

Cable TV: 1-125



**Tip**

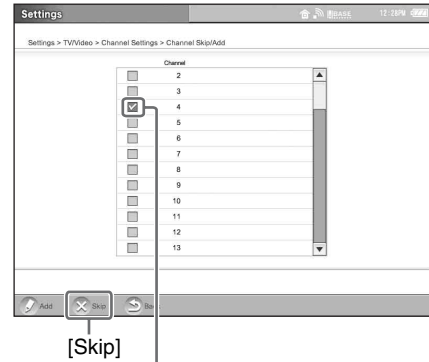
Use Home mode to set up TV channels.

## Deleting Unwanted Channels

You can delete unwanted TV channels from the TV channel list.

- 1 Open the [Settings] window and select [TV/Video].  
The [TV/Video] window appears.
- 2 Select [Channel Settings].  
The [Channel Settings] window appears.
- 3 Select [Channel Skip/Add].  
The [Channel Skip/Add] window appears.

- 4 Select a check box beside the channel you want to delete and select [Skip].  
You can select multiple channels at the same time.



Check this.

The selected channels are deleted.

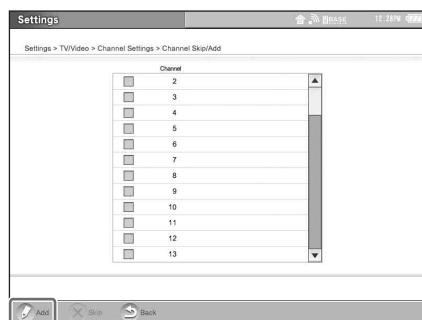
- 5 Select [Back].  
The [Channel Settings] window reappears.
- 6 Select [Settings], and then select [Exit].

## Restoring a Deleted Channel Manually

You can manually restore a deleted channel without automatic channel setup.

- 1 Open the [Settings] window and select [TV/Video].  
The [TV/Video] window appears.
- 2 Select [Channel Settings].  
The [Channel Settings] window appears.

- .....
- 3** Select [Channel Skip/Add].  
The [Channel Skip/Add] window appears.  
In the [Channel Skip/Add] window, a list of the channels detected during automatic channel setup appears.



[Add]

The channel editing window appears.

- .....
- 4** Set the channel you want to add and select [Add].  
Use [-] and [+] to specify the actual channel number of the station you selected.



When the channel is added successfully, the message “Added.” appears at the top of the screen. If you try to add a channel which has already been registered, the message “This channel is already registered.” appears at the top of the screen.

- .....
- 5** Select [Back].  
The [Channel Skip/Add] window reappears with the revised channel information.
- .....
- 6** Select [Back].  
The [Channel Settings] window reappears.

- .....
- 7** Select [Settings], and then select [Exit].
- .....

# Configuring the On-Screen Remote

## Configuring the On-Screen Remote for External Tuners on TV

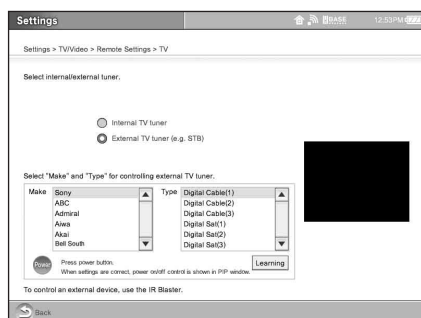
If you have connected a cable box (STB) to the VHF/UHF terminal on the Base Station, you can configure the on-screen remote control to show the STB remote control.



**Tip**

Before carrying out the following steps, you must install the IR Blaster so that it points to the IR receiver of the STB remote control.

- 1 Open the [Settings] window, and then select [TV/Video].  
The [TV/Video] window appears.
- 2 Select [Remote Settings].  
The [Remote Settings] window appears.
- 3 Select [TV].  
The [TV] window appears.
- 4 Select [External TV tuner (e.g. STB)], and then select the make and type of the STB.  
A list of types appears when you select [External TV tuner (e.g. STB)].



When the device is configured correctly, you can turn it on and off by selecting [Power]. Use the sub-screen to confirm that the power turns on and off.

If selecting [Power] several times does not turn on and off the connected device, make sure the make and type you have selected are correct.



**Tip**

Select [Learning] to change the configuration of the remote control buttons with the learn function. For details, see "Learning Commands for On-Screen Remote" (page 69).

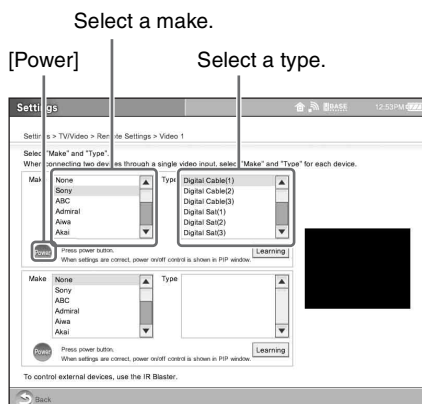
- 5 Select [Back].  
You return to the [Remote Settings] window.
- 6 Select [Settings], and then select [Exit].

## Configuring the Remote Control for External Devices

Use the following procedure to change the configuration of a remote control for the device that you have connected to a video input.

- 1 Open the [Remote Settings] window, and then select [Video 1] or [Video 2].  
Select the video input to which the device is connected.  
The [Video 1] or [Video 2] window appears.

- .....
- 2** Select the [Make] and [Type] of the connected device.  
A list of types appears when you select a [Make].



When the device is configured correctly, you can turn it on and off by selecting [Power]. Use the sub-screen to confirm that the power turns on and off.

If selecting [Power] several times does not turn on and off the connected device, make sure the make and type you have selected are correct.

### Notes

- Even if the power turns on and off correctly with [Power], other buttons may not be enabled. If this happens, select [Video 1] or [Video 2] from the Index. With the on-screen remote control that appears when you touch the screen, confirm that the buttons are enabled by pressing them.
- Some devices may not have a [Power] button (e.g. DVR). In this case, as well, use the on-screen remote to display [Video 1] or [Video 2] and confirm that the buttons are enabled.

### Tips

- If the infrared receivers on two devices do not line up and cannot be controlled with the single supplied IR Blaster, you need to purchase a plug adapter (not supplied) and another IR Blaster. Connect the plug adapter to the IR BLASTER port on the Base Station and connect each IR Blaster to a port on the adapter plug.
- If some of the buttons do not function, you can use [Learning] to learn their codes. For details,

see “Learning Commands for On-Screen Remote” (🔗 page 69).

- .....
- 3** Select [Back].  
You return to the [Remote Settings] window.


- .....
- 4** Select [Settings], and then select [Exit].
- .....

## When connecting a combo device (e.g., a VCR+DVD player)

Select [Switch] on the on-screen remote control to switch between the remote control for the VCR and the remote control for the DVD player.

## Connecting two devices to a single input terminal

If you have connected a second device via a first device, continue by selecting the [Make] and [Type] of the second device from the list in the lower part of the window, and then check whether it can be turned on and off.

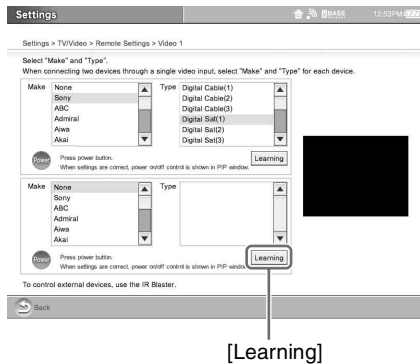
To switch the on-screen remote control display, select the  button.

# Learning Commands for On-Screen Remote

If the buttons of the on-screen remote control do not work in the same way as the buttons on an actual remote control, you can have the on-screen remote control “learn” the actual remote commands.

You can also customize the on-screen remote control from scratch, to emulate a remote control that does not appear in the [Make] and [Type] lists.

- 1 Select [Make] and [Type], and then, select [Learning] in the [TV] window or the [Video Input 1 (or 2)] window.

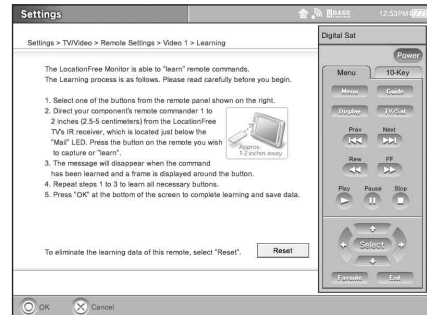


The learning window appears.

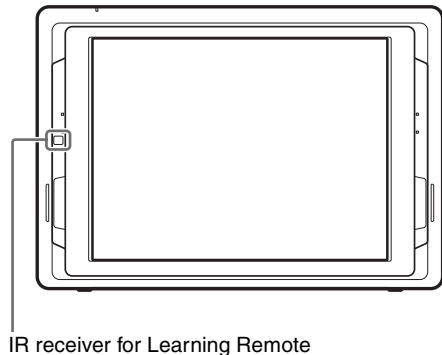


To customize the remote control from scratch, select [Custom Remote] from the bottom of the [Make] list and then select [Type] and [Learning].

- 2 Select a button to learn from the remote panel shown in the window.



- 3 Point the remote control toward the infrared receiver of the Monitor and press the button you want the on-screen remote control to learn.



## Notes

- Hold the remote control about 1 to 2 inches away from the Monitor's learning IR receiver.
- Keep the button of your component's remote control pressed until the learning message disappears.

- 4 The message disappears when the command has been learned, and a frame appears around the button.

- 5 Repeat steps 2 to 4 to learn all necessary buttons.

- 6 Select [OK] at the bottom of the screen to complete the learning and save the data. You return to the window where you selected [Learning].

### Notes

- If learning was unsuccessful, try repositioning the remote control. Sometimes the problem is that the transmitter of the remote control and the receiver of the Monitor are not aligned.
- Even if you complete all of the operations correctly, the remote control still may not work. After learning remote commands, always check whether they work. To check whether the remote control works, select [TV], [Video 1], or [Video 2] in the [Index] window to display the remote control, and then try it out.
- It is not possible to learn the remote codes of every device. If the learning does not succeed no matter how many times you try, then the LocationFree TV may simply be unable to learn the codes for that remote control.
- Data acquired during learning is shared by [Video 1] and [Video 2]. For example, if learning is performed on a Sony DVD Player (1) using [Video 1], the remote commands that have been learned for that Sony DVD Player (1) are also available for [Video 2].
- Learning can be performed for up to 20 devices.

### For best results

- Do not move your component's remote control during the learning.
- Load a new battery into your component's remote control before starting to learn.
- Do learning operations in locations that are not subject to direct sunlight and not directly beneath the room lighting (noise can interfere with the learning).
- When attempting to get the receiver of the Monitor to receive the remote codes, try your best to make sure they are received from a position directly in front of the receiver.

## Customizing the Remote Control from Scratch

Selecting [Custom Remote] from the [Make] list enables you to select [Generic], [Generic AV], or [Generic Combo] from the [Type] list.

### Editing the Button Names of the Custom Remote

You can edit the names of the buttons indicated by, for instance, [Button 1] and [Button 2]. If you select a button that can be edited, a window for editing the button name appears. Select the input field and use the keyboard that appears to edit the button name.

### Editing the Remote Control Name of the Custom Remote

If you select a remote control name, a window for editing the remote control name appears. Select the input field and use the keyboard that appears to edit the remote control name.



### Tip

Changes to a remote control name are also displayed in the [Index].

## Resetting Learned Commands

You can select the [Reset] button to “unlearn” (initialize) everything that the remote control has “learned”.

## Configuring the Base Station LAN Connection Manually

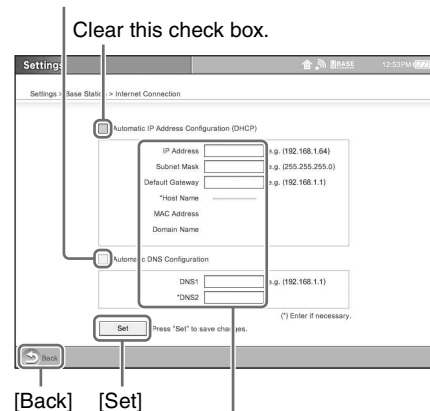
You can configure the LAN connection of the Base Station manually.

### Note

To configure the LAN settings of the Base Station, switch to Home Wireless mode.

- 1 Open the [Settings] window, and then select [Base Station].  
The [Base Station] window appears.
- 2 Select [Internet Connection].  
The [Internet Connection] window appears.
- 3 Clear the check from the [Automatic IP Address Configuration (DHCP)] check box. Then, while referring to the user’s guide of your contracted ISP, enter the proper values in the [IP Address], [Subnet Mask], [Default Gateway], [DNS1], and [DNS 2] fields. After you enter the necessary information, select [Set].

Clearing the check box for the above items also clears this check box



Refer to the documents provided by your ISP to input the proper values.



#### Tip

You may not need to enter the [DNS 2]. Enter as required by your ISP.

- 
- 4** Select [Back].  
You return to the [Base Station] window.

- 
- 5** Select [Settings], and then select [Exit].
- 

## Setting Up the Base Station as a Wireless Access Point



#### Tips

- When using the Base Station as a wireless access point for a computer, the computer must be equipped with an integrated wireless LAN function or wireless LAN card that conforms to IEEE802.11a, b, or g standards.
- Even when you are using the Monitor in Wired LAN mode, the Base Station can be used as a wireless LAN access point.

## Setting Up a Wireless LAN

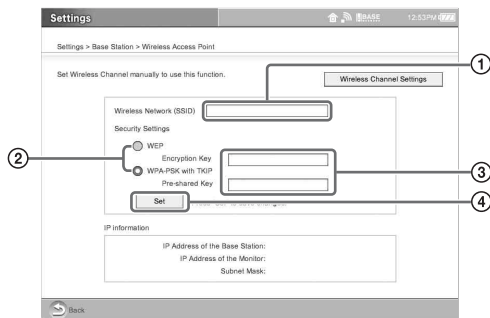
### Setting up the LocationFree TV

Make sure communication between the Base Station and Monitor in the Home mode is stable before configuring the following settings. While configuring settings, do not turn off the Base Station or Monitor.

- 
- 1** Open the [Settings] window and select [Base Station].  
The [Base Station] window appears.
- 
- 2** Select [Wireless Access Point].  
The [Wireless Access Point] window appears.



### 3 Configure the necessary items and select [Set].



- ① **Wireless Network (SSID)**  
A factory default character string should already appear. You can change it by entering up to 32 letters and/or numbers. This is used to identify a wireless network.
- ② **Security Settings**  
Select either [WEP] or [WPA-PSK with TKIP encryption].
- ③ **Encryption key or Pre-shared Key**  
Set the necessary items according to the selected encryption method.

#### WEP:

Enter a character string of your choice as an encryption key. The encryption key length differs, however, for different encryption strengths. See the table below.

	40 bit/64 bit	104 bit/128 bit
Key length (ASCII encoded characters)	5 characters	13 characters
Key length (Hexadecimal)	10 characters (0-9, A-F, a-f)	26 characters (0-9, A-F, a-f)

#### WPA-PSK with TKIP encryption:

For WPA-PSK with TKIP encryption, enter a key that is between 8 and 63 ASCII encoded characters or 64 hexadecimal characters.

When you enter 64 characters, the available characters are limited to 0 to 9, A to F, and a to f.

- ④ **[Set] button**  
This button saves 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.
- Configuring the wireless settings in the Home-Wired mode is recommended to ensure security.

### Tip

Do not forget the wireless network (SSID) and the security settings that you entered. You need to enter them when connecting your computer to the wireless LAN.

- 4 Select [Wireless Channel Settings].  
The [Home Wireless (Wireless Channel)] window appears.  
Select a channel for the wireless LAN.  
For more on selecting a wireless channel, follow step 3 of “Changing the Wireless Channel Manually (Home Wireless)” (☞ page 63).

- 5 Select [Back].  
The [Wireless Access Point] window reappears.

- 6 Select [Back].  
The [Base Station] window reappears.

- 7 Select [Settings], then select [Exit].

## Setting up your computer

Make sure your computer is equipped with a wireless LAN card that conforms to IEEE802.11a, b, or g standards. Next, you must configure the Internet connection settings, and wireless connection settings on your computer to match the wireless LAN settings of the Base Station. For more information, refer to the operating instructions of your computer or wireless LAN card.



## Tip

Distance from the Base Station, ambient radio wave conditions, obstacles, and other factors can affect the stability of a wireless network connection. When setting up your computer, place it as close as possible to the Base Station.

## Notes

- When a connected computer is transferring data, the TV picture on the Monitor may flicker or become distorted.
- See “About Wireless Security” (ⓘ page 5) for information on wireless security.
- Not all wireless LAN devices can be guaranteed to connect to the Base Station.
- You can connect a maximum of 15 wireless LAN devices by using the Base Station as an access point. In some cases, however, the number of connecting devices may cause the communication speed to decrease.
- For some wireless LAN devices, it may not be possible to send and receive data smoothly if the power save mode is enabled in the computer’s wireless LAN settings. In that case, check the computer’s wireless LAN settings, and disable the power save mode. For details on these settings, refer to the operating instructions for the wireless LAN devices, such as your computer or wireless LAN card.

# Advanced NetAV Settings

Normally these settings are not required when you have performed [Easy Setup (NetAV)].

## Configuring the LAN Settings Required for Port Forwarding

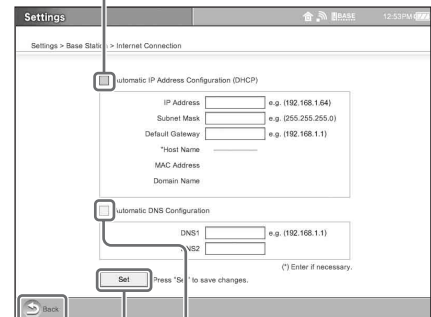
If the router you are using is not compatible with UPnP (Universal Plug and Play), port forwarding is required. This section describes how to configure the IP address manually.

- 1 Open the [Settings] window, and then select [Base Station].  
The [Base Station] window appears.

- 2 Select [Internet Connection].  
The [Internet Connection] window appears. [Internet Connection] can be selected when the Monitor is in Home-Wireless mode. If you cannot select [Internet Connection], switch to Home-Wireless mode in the [Monitor] window.

- 3 Clear the check from the [Automatic IP Address Configuration (DHCP)] check box, and then enter the addresses used in your home LAN and select [Set].

Clear this check box.



[Back] [Set] Clear this check box.

Setting item	Sample input value (when the router's IP address is 192.168.0.1)
IP address	192.168.0.64 <sup>*1</sup>
Subnet mask	255.255.255.0
Default gateway	192.168.0.1 <sup>*2</sup>
Host name	Blank
DNS1	192.168.0.1 <sup>*2</sup>
DNS2	Blank

<sup>\*1</sup> This sample input is when the router's IP address is 192.168.0.1.

If the router's IP address is 192.168.1.1, enter 192.168.1.64 for the IP address. Furthermore, if you are using multiple Base Stations, set a different setting for each Base Station, such as 64 and 65. Set this to the port forwarding IP address that you assigned to the Base Station on the router (☞ page 76).

<sup>\*2</sup> This sample input is when the router's IP address is 192.168.0.1.

If the router's IP address is 192.168.1.1, enter 192.168.1.1 for the default gateway and DNS 1.

You return to the [Internet Connection] window.

- 4 Select [Back].  
You return to the [Base Station] window.

- 5 Select [Settings], and then select [Exit].

- 6 Connect to the Internet to check whether the LAN connection is set up correctly.  
You can do this by checking whether web pages appear (☞ page 48).

## Setting up NetAV on the Base Station

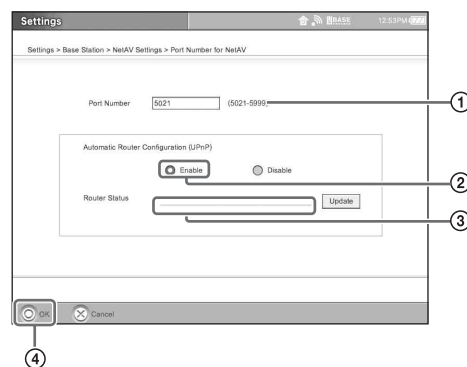
Normally these settings are not required when you have performed [Easy Setup (NetAV)]. If the router you are using is not compatible with UPnP, disable UPnP. Also perform the following procedure to configure the port number if it needs to be changed.

- 1 Open the [Settings] window, and then select [Base Station].  
The [Base Station] window appears.

- 2 Select [NetAV Settings].  
The [NetAV Settings] window appears.  
[NetAV Settings] can be selected when the Monitor is in Home mode.  
If you cannot select [NetAV Settings], switch to Home mode in the [Monitor] window.

- 3 Select [Port Number for NetAV].  
The [Port Number for NetAV] window appears.

- 4 Set the items in the window, and then select [OK].



- ① Change the NetAV server port number, as required.  
If there are multiple Base Stations and 5021 is already being used, change the port number of the NetAV server so that the number will not duplicate.  
You can specify port numbers in the range 5021 to 5999. At the time of purchase, the port number is set to 5021.
- ② Select [Disable] for [Automatic Router Configuration (UPnP)].  
When your router is compatible with UPnP, you can use UPnP to configure port forwarding on the router dynamically. You do not need to make manual port forwarding settings on the router side if the router is compatible with UPnP.

- ③ The current automatic router configuration (UPnP) status appears here.

#### Note

If you changed the setting of step ②, then to update the automatic router configuration (UPnP) status of step ③ you need to select [OK] in step ④ and then display the [Port Number for NetAV] window again.

- ④ Select [OK].

You return to the [NetAV Settings] window. Make a note of the port number set in step ①. If the port number was changed, you will need it when you carry out the procedure in “Setting up the Monitor” (☞ page 76).

- 5 Select [Back].  
You return to the [Base Station] window.

- 6 Select [Settings], and then select [Exit].  
This completes the preparations you need before leaving home. The following describes settings while on the go.

- 7 Configure port forwarding for the router. Enter the IP address of the Base Station that you set in “Configuring the LAN Settings Required for Port Forwarding” (☞ page 74) and the port number that you set in “Setting up NetAV on the Base Station” (☞ page 75). For details, refer to the operating instructions for your router.

## Setting up the Monitor

Proceed as follows to set up the Monitor so that it can receive video from the Base Station while you are on the go.

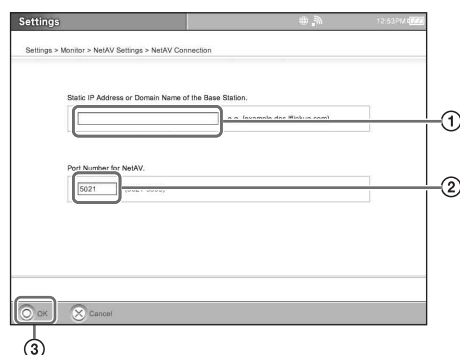
Normally these settings are not required when you have performed [Easy Setup (NetAV)]. If you changed the port number of the Base Station, also configure the same setting on the Monitor.

- 1 Open the [Settings] window, and then select [Monitor].  
The [Monitor] window appears.

- 2 Select [NetAV Settings].  
The [NetAV Settings] window appears.

- 3 Select [NetAV Connection].  
The [NetAV Connection] window appears.

- 4 Set the items in the window, and then select [OK].



- ① Enter the domain name that you registered when you applied for your Dynamic DNS service, or a Domain name in the format [example.dns.lflinkup.com]. Do not prefix it with [http://].  
If you are using a static global IP address service, enter the static global IP address.
- ② Enter the port number that you set in “Setting up NetAV on the Base Station” (☞ page 75).
- ③ Select [OK].

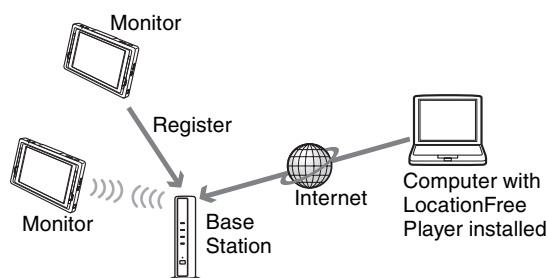
You return to the [NetAV Settings] window.

- 5 Select [Back].  
You return to the [Monitor] window.

- 6 Select [Settings], and then select [Exit].

# Registering LocationFree Devices

You can register up to 4 other LocationFree devices (other LocationFree TV Monitors, or computers with LFA-PC2 LocationFree Player installed) with the Base Station. Once you register those LocationFree devices with the Base Station, you can use them to connect to the Base Station and use NetAV.



## Tip

Before registering a computer with the Base Station, always install the supplied LocationFree Player (LFA-PC2) on the computer. For more information about how to register, select Windows Start > [All Programs] ([Programs] in Windows 2000) > [Sony LocationFree Player] > [Operating Instructions], and refer to the LF-PK1 operating instructions that appear.

## Notes

- Use of the NetAV function for purposes other than personal enjoyment is prohibited.
- It is not possible to watch TV or video on the Monitor or registered LocationFree device at the same time.

## Setting Up the Base Station for Registering LocationFree Player (LFA-PC2)

Put the Base Station into Setup mode. Then start LocationFree Player on a computer located on the same network as the Base Station, and connect to the Base Station from the [Base Station Selection] window. The computer will be

registered automatically.

For details, refer to the LF-PK1 Operating Instructions.



## Tip

To register a computer with the Base Station over the Internet, see [Setting Up the Base Station for Registering LocationFree TV Monitor] (below).

## Setting up the Base Station for Registering LocationFree TV Monitor

Before you configure the following settings, you need to perform an Easy Setup (NetAV), and confirm the NetAV Check result is "Success" (☞ page 45).

- 1 Open the [Settings] window, and then select [Base Station].  
The [Base Station] window appears.

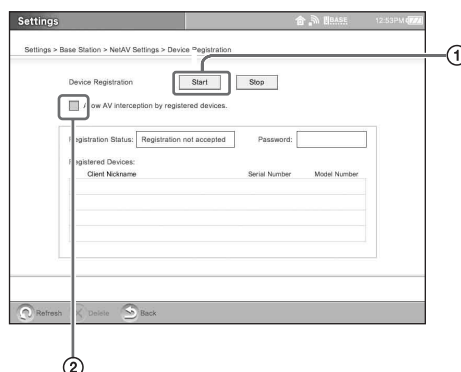
- 2 Select [NetAV Settings].  
The [NetAV Settings] window appears.

## Note

[NetAV Settings] can be selected when the Monitor is in Home mode.

- 3 Select [Device Registration].  
The [Device Registration] window appears.

- 4 Set the items in the window.



- ① Select [Start].
- ② Check if you want to give priority to NetAV connections by registered LocationFree devices when you are watching TV or video on the Monitor in Home mode.  
When checked, no TV or video will appear on the Monitor while the other device is connecting NetAV. However, you can set [GetAV] with the Monitor in Home mode to interrupt the NetAV connection and display TV and video on the Monitor again.

When you select [Start], the current status changes from [Registration not accepted] to [Ready for registration], and an 8-character password appears in [Password]. You will need this password when you register Location Free device.

#### Tips

- If the registration of the LocationFree device (☞ page 78) succeeds, then the information for the LocationFree device will appear in [Registered Devices]. If the LocationFree device does not appear in the [Registered Device] list, select [Refresh] to update the list.
- To exit the [Ready for registration] mode, select [Stop].
- The registration password changes with every registration. If you exit the [Ready for registration] mode, and then start another registration, the registration password changes to a new password.
- If you want to stop connecting to the Base Station from a registered Monitor, place a check by the Monitor in the registered device list and then select [Delete].

- 
- 5 Select [Back].  
You return to the [NetAV Settings] window.
- 

- 6 Select [Settings], and then select [Exit].  
Next proceed to the steps in “Configuring Additional Monitor Settings” (see right).
- 

To continue by registering a computer with the Base Station over the Internet, refer to the LF-

PK1 Operating Instructions. To register a LF-X11 Monitor, proceed to “Configuring Additional Monitor Settings” (☞ page 78).

#### Tip

To register a LF-X1/X5 Monitor, refer to the LF-X1/X5 Operating Instructions.

#### Note

Do not turn the Base Station power off.

## Configuring Additional Monitor Settings

Put Base Station into a mode where it can accept Device Registration, and then proceed as follows to register another Monitor. Operate the Monitor to make the following settings. When you make these settings, the Monitor must be connected to the Internet in On the Go.

- 
- 1 Open the [Settings] window, and then select [Monitor].  
The [Monitor] window appears.
- 

- 2 Put the Monitor into On the Go, and then connect to the Internet.

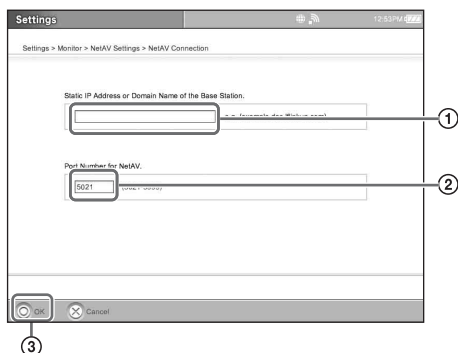
#### Note

If you switch to On the Go-Wireless, you will need to be connected to a public wireless LAN until the point when you select [Start] in step 7. See “Configuring a Public Wireless LAN Connection Manually” (☞ page 40) for more information about connecting via public wireless LANs.

- 
- 3 Select [NetAV Settings].  
The [NetAV Settings] window appears.
- 

- 4 Select [NetAV Connection].  
The [NetAV Connection] window appears.
-

- 5 Set the items in the window, and then select [OK].



- ① Enter the domain name or static IP address of the Base Station.
- ② Enter the port number of the Base Station where you will be registering.
- ③ Select [OK].

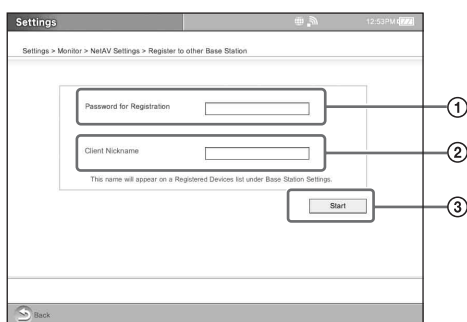
You return to the [NetAV Settings] window.



**Tip**  
If you are already using the NetAV function with the supplied Base Station, change the domain name and port number of the Base Station.

- 6 Select [Register to other Base Station].  
The [Register to other Base Station] window appears.

- 7 Set the items in the window, and then select [Start].



- ① Enter the registration password that you acquired in step 4 of “Setting up the Base Station for Registering LocationFree TV Monitor” (☞ page 77).

- ② Enter a nickname for the Monitor, up to 20 alphanumeric characters in length.  
The nickname you enter here will appear in [Client Nickname] of the [Device Registration] window.
- ③ Select [Start].

A confirmation message appears.

- 8 Select [OK].  
The Monitor registration is successful if the message “Registration completed.” appears.

### Note

If the message “Registration failed.” appears, check the Base Station domain name and port number that you entered in step 5. If another error message appears, follow the instructions to check what went wrong.

- 9 Select [Back].  
The [NetAV Settings] window appears.

- 10 Select [Settings], and then select [Exit].

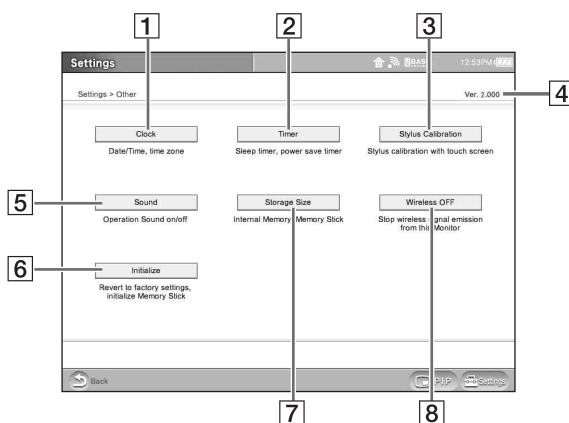
## Notes about using NetAV from registered Monitors

- When you make a NetAV connection from a registered LocationFree TV, you connect to the Base Station whose domain name and port number appear in the [NetAV Connection] window under [NetAV Settings] in the Monitor settings window. When the Monitor is registered on multiple Base Stations and you want to switch the Base Station to another one, re-enter the domain name and port number of it.
- Registrations are cancelled by deleting them on the Base Station (☞ page 78). For this reason, all registration information is lost when the Base Station settings are initialized.



# Other Setup Windows

The [Other Settings] window appears when you select [Other] in the [Settings] window. You can use this window to make the following settings.



## 1 Clock

Sets the time zone, current date and time. If the clock is not set correctly, some web pages may not display properly. Make sure to adjust the clock when it is incorrect. Also note that if you change the time zone and select [OK], the Monitor will restart.

### Note

The set time does not automatically shift to Daylight Saving Time. Select a time zone from the [City (DST)] and change to DST.

## 2 Timer

Sets the Sleep Timer and Power Save Timer

**Sleep Timer:** Sets the Monitor to turn off automatically. If you leave home or fall asleep without turning off the Monitor, this function turns it off automatically once the preset time (30, 60, or 90 minutes) elapses. (The Base Station is not turned off.) The Sleep Timer works even when using functions other than TV and video.

**Power Save Timer:** Sets the Power Save Timer to activate and conserve battery power when you do not use the Monitor for a while. When the timer activates, the Monitor backlight shuts off and the screen goes dark.

\* The Power Save Timer does not function while the Monitor is in use with the AC adapter. It also

does not function when you are watching TV or a video.

## 3 Stylus Calibration

Calibrates the touch screen and stylus. If the touch screen recognizes a different selection than where you indicate with the stylus, you can calibrate them accurately.

### Note

To select items on the screen, use only the stylus and do not use other objects such as a pen or a stick. Doing so can scratch the screen or cause it to crack.

## 4 Software Version

Displays the version of the LocationFree TV software.

## 5 Sound

Turns on and off the operation beep sound of the Monitor.

## 6 Initialize (☞ page 81)

Allows you to return all settings to the factory defaults, to reset only the settings for the Monitor or Base Station, and to initialize (format) a Memory Stick.

## 7 Storage Size

In addition to checking the available memory on the Monitor, you can also check the memory on a Memory Stick.

## 8 Wireless OFF (☞ page 64)

Prevents the Monitor from emitting wireless signals.



# Resetting Factory Defaults

When you want to reset all of the settings to the factory defaults, initialize both the Base Station and the Monitor. Once you initialize, all saved data is lost. When you initialize the Internet and Wireless connection settings, you also need to initialize the Base Station.

## Notes

- Check that the Base Station is turned on. Bring the Monitor close to the Base Station.
- Be sure to initialize the LocationFree TV with the AC power adapter attached and the battery inserted.
- The Monitor restarts during the initialization process. This is not a malfunction.

## Initializing the Base Station

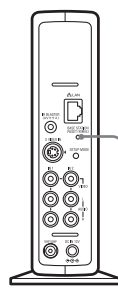
You must initialize the Base Station when you carry out “Resetting All Settings” and “Initializing Internet Connection/Wireless Connection”.

By initializing the Base Station, you delete all of Internet, wireless, and NetAV settings.

1 Turn off the Base Station.

2 While pressing BASE STATION RESET on the rear of the Base Station, turn on the POWER.  
Keep pressing the BASE STATION RESET button until the NETAV LED on the front of the Base Station turns red.

Rear of Base Station



BASE STATION RESET button

Front of Base Station



NETAV LED

## Resetting All Settings

To reset all settings, you need to initialize the Base Station first, then initialize the Monitor.

### Note

Be sure to follow the instructions for “Initializing the Base Station” before initializing the Monitor.

1 Initialize the Base Station (see left).

2 Open the [Settings] window and select [Other].  
The [Other] window appears.

3 Select [Initialize].  
The [Initialize] window appears.

4 Select [Clear All].  
The [Clear All] window appears.

5 Carefully read the precautions shown on the screen, and select [OK].  
All settings are reset, the Monitor restarts automatically, and the Welcome window (page 21) appears.

## Initializing Internet Connection/Wireless Connection

You can erase Internet connection settings and Wireless settings in both the Monitor and the Base Station by initializing.

- 1 Initialize the Base Station (☞ page 81).
- 2 Open the [Settings] window and select [Other].  
The [Other] window appears.
- 3 Select [Initialize].  
The [Initialize] window appears.
- 4 Select [Init. Internet Connection/Wireless].  
The [Init. Internet Connection/Wireless] window appears.
- 5 Carefully read the precautions shown on the screen, and select [OK].  
The Monitor's Internet and wireless settings are initialized, and the Monitor automatically restarts.

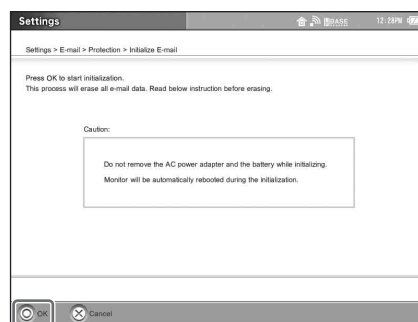
## Initializing Mail Settings

You can erase all the mail settings and data by initializing mail settings. The E-mail Protection Password is returned to its default setting (0000).

### Note

Initializing the mail settings also deletes all images attached to mail messages. (Images copies to the Album and mail saved to a Memory Stick are not deleted.)

- 1 Open the [Settings] window and select [E-mail].  
The [E-mail] window appears.
- 2 Select [Protection].  
The [Protection] window appears.
- 3 Select [Initialize E-mail].  
The [Initialize E-mail] window appears.
- 4 Carefully read the precautions shown on the screen, and select [OK].



[OK]

The mail settings are initialized, and the Monitor automatically restarts.

## Checking Storage Size

You can check the capacity of the LocationFree TV and a Memory Stick.

### Notes

- The actual total memory of a Memory Stick differs from the amount printed on it. The total memory shown in the [Storage Size] window is the actual amount you can use.
- A certain amount of memory on the LocationFree TV or a Memory Stick is used for settings data that cannot be deleted.

1 Open the [Settings] window, and then select [Other].  
The [Other] window appears.

2 Select [Storage Size].  
The [Storage Size] window appears.  
Check the capacity in the [Storage Size] window.

3 Select [Back].  
This returns you to the [Other] window.

4 Select [Settings], and then select [Exit].

## Increasing available memory

When the amount of available memory in the unit runs low, use the following procedures to delete unnecessary data and free up more memory.

- Clear the cache memory. (Select [Settings] > [Web Lite] > [Web Basics] and then select [Erase Cache].)
- Delete mail.
- Delete pictures in the Album.

## Configuring the Monitor LAN Connection Manually

Set up according to the instructions of the public wireless access service provider or the wired LAN service provider.

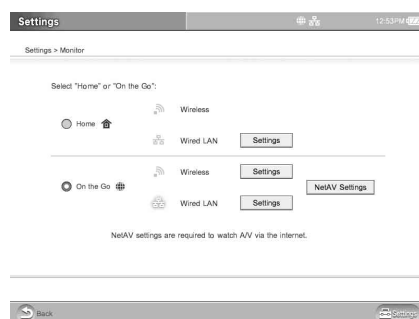
### Connecting via LAN (DHCP)

When you connect to the Internet, a DHCP server automatically assigns an IP address, subnet mask, and default gateway. Some DHCP servers also assign the DNS addresses automatically.

1 Select [Settings] at the bottom right of the window.  
The [Settings] window appears.

2 Select [Monitor].  
The [Monitor] window appears.

3 Select [On the Go].



The connection type changes to On the Go.

4 When using a wireless connection, select [Settings] next to On the Go-Wireless, and then select [Wireless Monitor Settings]. [Wireless Monitor Settings] window appears.

When using a LAN connection, select [Settings] next to On the Go-Wired LAN. The [Wired Monitor Settings] window appears.

- 5 Confirm that the check box of “Automatic IP Address Configuration (DHCP)” is checked and the IP Address is displayed.

- 6 When using a wireless connection, select [Back]. [On the Go-Wireless] window appears, and then select [Back]. When using a LAN connection, select [Back].

The [Monitor] window reappears.

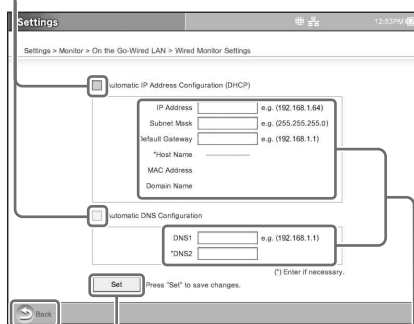
- 7 Select [Settings], and then select [Exit].

## Connecting via LAN (assigning an IP address manually)

- 1 Perform the steps 1 to 4 in “Connecting via LAN (DHCP)” (☞ page 83). When using a wireless connection, [Wireless Monitor Settings] window appears. When using a LAN connection, [Wired Monitor Settings] window appears.

- 2 Clear the checks from the [Automatic IP Address Configuration (DHCP)] and [Automatic DNS Configuration] check boxes. Then, while referring to the information from your public wireless or wired LAN service provider, enter values in the [IP Address], [Subnet Mask], [Default Gateway], [DNS1], and [DNS2] fields. When you are finished, select [Set].

Clear this check box.



[Back] Set Refer to the information from your service provider.

- 3 When using a wireless connection, select [Back]. [On the Go-Wireless] window appears, and then select [Back]. When using a LAN connection, select [Back].

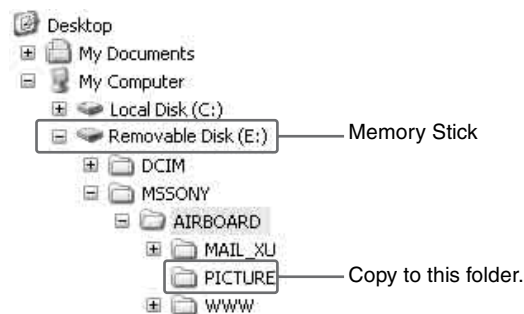
The [Monitor] window reappears.

- 4 Select [Settings], and then select [Exit].

# Memory Stick Folder for Copying Images to the Album

If you want to display images created on a computer in the LocationFree TV's album, copy the images to the following folder in a Memory Stick.

Example of computer folders:



# To Set Up the Base Station Without the Monitor

If you have a computer with LocationFree Player installed, you can set up the Base Station without the Monitor.


For details, refer to the LF-PK1 Operating Instructions (PDF) on the supplied LocationFree Player software CD-ROM.

# Characters Selectable with Keyboard [Shift]

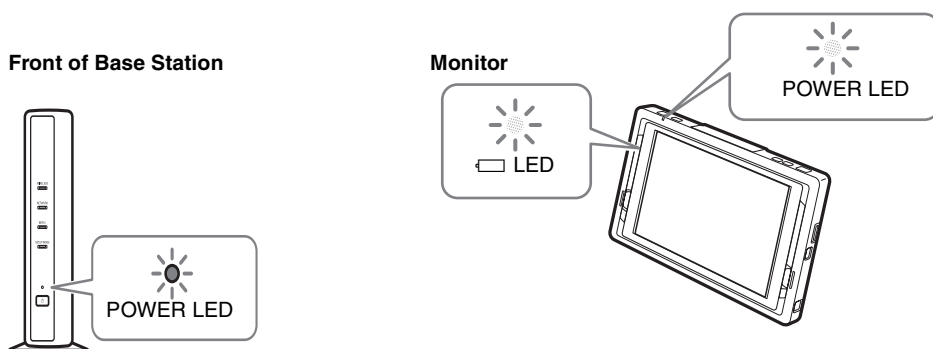
The software keyboard for character input has a [Shift] key. You can use it to enter the following characters, in the same way as a normal keyboard.





Uppercase characters	A to Z
Symbols	~ ! @ # \$ % ^ & * ( ) _ + { }   : " < > ?

# Status LED

The POWER LEDs on the front of the Base Station and the top of the Monitor, and the  LED on the left of the Monitor, show the status of the Base Station and Monitor. If a malfunction occurs, refer to the following table to determine the problem and find a solution. If the problem persists, contact Sony LocationFree Customer Support.

## Status LEDs



POWER LED on the Base Station	Problem	Solution
Blinks red  (Red)	The hardware may have malfunctioned.	<ol style="list-style-type: none"> <li>1 Turn off the Base Station and then on again.</li> <li>2 If the problem persists, contact Sony LocationFree Customer Support.</li> </ol>
POWER LED on the Monitor	Problem	Solution
Blinks red  (Red)	The hardware may have malfunctioned.	<ol style="list-style-type: none"> <li>1 Turn the Monitor off and then on again.</li> <li>2 If the problem persists, contact Sony LocationFree Customer Support.</li> </ol>
 LED on the Monitor	Problem	Solution
Blinks red  (Red)	The battery may have malfunctioned.	<ol style="list-style-type: none"> <li>1 Remove the AC power adapter and the battery. Reinstall the battery.</li> <li>2 If the problem persists, contact Sony LocationFree Customer Support.</li> </ol>

# Troubleshooting






If a problem occurs during operation of the LocationFree TV, refer to the information provided in this section. Further information is also available on following website.


Locationfree TV FAQ pages:

<http://www.sony.com/locationfree/faq/>




If the problem persists, contact Sony LocationFree Customer Support.

## General





Problem	Causes and remedies
Monitor does not turn on.	<ul style="list-style-type: none"> <li>Connect the AC power adapter (ⓘ page 21).</li> <li>Make sure the battery is inserted.</li> </ul>
Monitor suddenly turns off.	<ul style="list-style-type: none"> <li>Make sure the sleep timer has not been set to activate (ⓘ page 80).</li> <li>The battery may be dead. Try replacing it. Batteries can be recharged about 300 times before needing replacement.</li> </ul>
The Monitor or Base Station does not respond.	Turn the power off and then on again.
Cannot turn off the Monitor or Base Station power.	Hold down the power button for at least 3 seconds. This will force it to turn off.
Battery runs out immediately.	The battery may be damaged or in need of replacement. Battery capacity gradually decreases with each recharging. Battery life is also shortened when the battery is used at extremely high temperatures (ⓘ page 22).
The  LED does not turn on.	<ul style="list-style-type: none"> <li>Check that the battery is inserted.</li> <li>The battery may need replacement.</li> </ul>
The  LED stays on, even though the battery should be charged by now.	<ul style="list-style-type: none"> <li>There may be a problem with the battery. Disconnect the AC power adapter. Remove the battery and reinstall it. If the problem persists, contact Sony LocationFree Customer Support.</li> <li>The battery will not charge if the temperature is not between 32°F to 95°F (0°C to 35°C).</li> </ul>
 * appears. This icon only appears in Home mode.	<ul style="list-style-type: none"> <li>Make sure the Base Station is turned on.</li> <li>If the SETUP MODE LED of the Base Station is flashing or lit, wait until Setup mode ends or turn the Base Station off and then on.</li> </ul> <p><b>Home-Wireless mode</b> </p> <ul style="list-style-type: none"> <li>Move to a location where  appears; or change the height and orientation of the Base Station.</li> <li>If a nearby device, such as another wireless access point, is operating on the same wireless channel as the signal from the Base Station, change the setting on the wireless access point (ⓘ page 64).</li> <li>Wireless communications might be interfered by radio waves. Change the wireless channel or move to a location free from radio interference (ⓘ page 63).</li> <li>When using the 2.4 GHz channel:               <ul style="list-style-type: none"> <li>Make sure a microwave oven is not in use nearby. Interference from a microwave to the wireless signal will stop when the oven is no longer in use.</li> <li>Make sure you are not using a 2.4 GHz cordless phone in the vicinity. A cordless phone turned on in the vicinity can interfere with the signal. Change the wireless channel (ⓘ page 63).</li> </ul> </li> </ul>

Problem	Causes and remedies
 * appears. (Continued) * This icon only appears in Home mode.	<b>Home-Wired mode</b> <ul style="list-style-type: none"> <li>Check that the Monitor and Base Station are located on the same network.</li> <li>If that does not solve the problem, select [Settings] &gt; [Monitor] &gt; [Settings] next to Home-Wired LAN &gt; [Base Station Address], and check that the IP address shown on the screen matches the IP address of the Base Station. You can check the Base Station's IP address with [Settings] &gt; [Base Station] &gt; [Internet Connection].</li> </ul>
Screen suddenly goes dark.	With the Web Lite, Mail, Album, or Settings window displayed, the power save timer activated and turned off the backlight of the screen. Touch the screen or press any button to illuminate the screen. If you prefer, deactivate the power save timer (☞ page 80).
Screen is too dark.	Adjust the Backlight in the settings window.
On-screen buttons do not respond.	<ul style="list-style-type: none"> <li>When the [Index] window or a dialog message is displayed, you cannot select any button outside of that window or message.</li> <li>Dimmed buttons cannot be selected. Some buttons can only be selected after selecting a check box.</li> </ul>
A different button than the one you selected responds.	The screen is not aligned with the stylus. See “Stylus Calibration” (☞ page 80).
Password error occurs.	Make sure you have correctly entered all upper and lower case letters. The password field differentiates between upper and lower case.

## TV and video



Problem	Causes and remedies
No color or incorrect color	<ul style="list-style-type: none"> <li>Adjust the picture quality (☞ page 62).</li> <li>Verify whether the AV cable is correctly connected.</li> </ul>
Picture appears, but no sound.	<ul style="list-style-type: none"> <li>Make sure the volume is not turned down all the way.</li> <li>Make sure there are no headphones connected.</li> </ul>
No picture	<ul style="list-style-type: none"> <li>Make sure the Base Station is turned on.</li> <li>Make sure the correct connection mode is selected ([Settings] - [Monitor]).</li> <li>If the SETUP MODE LED of the Base Station is flashing or lit, wait until Setup mode ends or turn the Base Station off and then on.</li> <li>Check whether  is visible at the top of the screen.  appears at the top of the screen, and no picture appears, when another registered device is using NetAV. A picture will appear if you select [GetAV] at the bottom of the screen.</li> <li><b>Home-Wireless mode</b> <ul style="list-style-type: none"> <li>Check whether wireless communications have been interrupted. Bring the Monitor closer to the Base Station, until  appears, and check to be sure that the Base Station power is turned on.</li> <li>Check whether there is another device operating nearby on the same wireless band (2.4 GHz/5 GHz) as the Base Station, for example another wireless access point.</li> </ul> </li> </ul>



Problem	Causes and remedies
No picture (Continued)	<ul style="list-style-type: none"> <li>• <b>Home-Wired LAN mode</b> <ul style="list-style-type: none"> <li>• Check whether  is visible at the top of the screen. If it is not visible, check the following. <ul style="list-style-type: none"> <li>- Make sure that the LAN cable (not supplied) is securely connected on the Monitor side.</li> <li>- Check that the Wired LAN Home mode setup is correct ([Settings] - [Monitor] - [Home]).</li> </ul> </li> <li>• If  is visible, check the following. <ul style="list-style-type: none"> <li>- Check that the IP address of the Base Station is set correctly ([Settings] &gt; [Monitor] &gt; [Settings] next to Home-Wired LAN) ( page 63).</li> </ul> </li> <li>• LAN connections which use PPPoE are not supported.</li> </ul> </li> </ul>
Picture freezes frequently.	<p><b>Home-Wireless mode</b></p> <ul style="list-style-type: none"> <li>• Interrupted communications may be occurring. Try bringing the Monitor closer to the Base Station, or use the Wide Range Mode.</li> <li>• The picture may freeze if another device is communicating nearby on the same band as the Base Station. Change the band used by the Base Station, or move farther away from the device that is causing the interference.</li> </ul> <p><b>Home-Wired LAN mode</b></p> <ul style="list-style-type: none"> <li>• If the problem occurs on your home LAN, make sure that you are not using a 10BASE-T router or hub. Use a 10/100BASE-T router or hub.</li> </ul>
“Interference/Wireless Out of Range” appears on the screen.	<ul style="list-style-type: none"> <li>• Wait a short while.</li> <li>• Bring the Monitor closer to the Base Station.</li> <li>• Use the Wide Range Mode.</li> <li>• Try changing the wireless channel ( page 63).</li> </ul>
Pictures appear to be grainy and pixilated.	<ul style="list-style-type: none"> <li>• This happens because of image processing, and is not a malfunction.</li> </ul>
The [Wide Range] button does not appear.	<ul style="list-style-type: none"> <li>• Go to [Settings] - [Monitor] and make sure Home mode has been selected. Also, if a LAN cable (not supplied) is connected, disconnect it from the Monitor.</li> <li>• Another Monitor or computer registered with the Base Station may be using NetAV. Select the [GetAV] button at the bottom of the screen. (This causes the [Wide Range] button to appear.)</li> </ul>

## TV

### No picture

Problem	Causes and remedies
Cannot get any TV channels to appear. (screen is black).	<ul style="list-style-type: none"> <li>• Make sure the Base Station is turned on.</li> </ul>
Cannot get any TV channels to appear. (screen is filled with snow).	<ul style="list-style-type: none"> <li>• Check that [CABLE] is set to the right setting ([ON] or [OFF]), and then run automatic channel scan again.</li> <li>• Connect the antenna cable (not supplied) and CATV cable securely to the Base Station ( page 15).</li> <li>• Make sure the STB is set correctly. Also confirm the specifications.</li> </ul>
Cannot get some specific TV channels to appear.	Change the channel setting and adjust the reception frequency (  page 65).

<b>Problem</b>	<b>Causes and remedies</b>
Cannot get cable TV channels to appear. Images from a connected device do not appear.	<ul style="list-style-type: none"> <li>• The unit supports cable TV channels 1 to 125. If you want to watch other channels or the channel signal is scrambled, connect a cable box to the video input terminal on the Base Station.</li> <li>• After verifying whether [CABLE] is set to [ON], run automatic channel scan again.</li> </ul>

## Poor picture

<b>Problem</b>	<b>Causes and remedies</b>
Double images or ghosts	<ul style="list-style-type: none"> <li>• Connect the antenna cable (not supplied) and CATV cable securely (🔧 page 15).</li> <li>• Adjust the position, orientation, and angle of the antenna.</li> </ul>
Snow or dim pictures	<ul style="list-style-type: none"> <li>• Check the antenna and/or cable connections.</li> <li>• Make sure the channel selected is currently broadcasting.</li> <li>• Make sure the antenna is not damaged or broken.</li> </ul>
Stripes and noise	<ul style="list-style-type: none"> <li>• Make sure the TV antenna is securely connected (🔧 page 15).</li> <li>• Keep the antenna cable (not supplied) away from the power cord and other connection cables.</li> </ul>

## Other

<b>Problem</b>	<b>Causes and remedies</b>
Cannot control external TV tuner with the on-screen remote control.	<ul style="list-style-type: none"> <li>• Some set-top boxes (STB) cannot be controlled with the on-screen remote control when connected to the Base Station with an antenna cable (not supplied). To control these devices with the on-screen remote control, connect them to the Base Station with a video cable (🔧 page 16). For more details, refer to the instruction manual for your STB.</li> <li>• Connect the IR Blaster to the IR BLASTER port on the Base Station (🔧 page 13).</li> </ul>

## Video

<b>Problem</b>	<b>Causes and remedies</b>
No picture from the connected device.	<ul style="list-style-type: none"> <li>• Firmly attach the connection cables. Check that the connections to the red, white, yellow, and S-Video jacks are correct (🔧 page 16).</li> <li>• Non-interlace signals from computers or other equipment cannot be displayed.</li> <li>• Make sure the device is connected to the correct input terminal (🔧 page 16).</li> <li>• If the video of a VCR, DVD player, or other device connected to the Base Station does not appear, check that the connected device is turned on.</li> </ul>

Problem	Causes and remedies
The on-screen remote control does not work.	<ul style="list-style-type: none"> <li>• Connect the IR Blaster to the IR BLASTER port on the Base Station (☞ page 13).</li> <li>• Press some of the buttons on the device itself to make sure that it is functioning normally. (Some devices cannot be operated, or can only be partially operated, by the on-screen remote control.)</li> <li>• Make sure the IR Blaster is installed so that it faces the infrared receiver correctly (☞ page 17).</li> <li>• Move the device's infrared receiver away from any bright light, such as a fluorescent light or direct sunlight.</li> <li>• The on-screen remote control may not work properly when the connection between the Monitor and Base Station is poor.</li> <li>• Reprogram the on-screen remote control settings (☞ page 67). (Some devices cannot be operated, or can only be partially operated, by the onscreen remote.) Make sure the remote control settings for [Video 1] and [Video 2] are configured correctly in the [Remote Settings] window.</li> <li>• If the remote control does not work after using the learning function, redo the learning operation.</li> </ul>

## Remote Learning

Problem	Causes and remedies
Learning operation does not work.	<ul style="list-style-type: none"> <li>• Before learning, check that the target remote control actually works with the device you want to control</li> <li>• Check that battery in the target remote control has enough power left.</li> <li>• Learning operations can fail because of noise due to direct sunlight or nearby fluorescent lights.</li> </ul>
The remote control does not work properly after learning.	<ul style="list-style-type: none"> <li>• Try redoing the learning operation a few times.</li> <li>• If the learning fails no matter how many times you try, then the LocationFree TV may simply be unable to learn the codes for that remote control.</li> </ul>

## Others

Problem	Causes and remedies
TV and video pictures are distorted when the Base Station is used as a wireless LAN access point.	When a computer receives or sends data through wireless LAN while you are watching TV or video on the Monitor, pictures on the Monitor or audio may be distorted.
It takes awhile for the picture to appear.	Transmission may take time due to a high level of traffic on the lines connecting the Monitor and Base Station, or due to the location of the Base Station and Monitor.

- For questions about Internet connections, contact your Internet Service Provider (ISP).
- LocationFree TV FAQ pages  
<http://www.sony.com/locationfree/faq/>

# Specifications

## System

Television system	NTSC
Channel coverage	VHF: 2 - 13, UHF: 14 - 69, CATV: 1 - 125
Tuning system	PLL synthesizer
Screen size	9 <sup>7</sup> / <sub>8</sub> × 7 <sup>3</sup> / <sub>8</sub> inches, 12 <sup>1</sup> / <sub>4</sub> inches (24.9 × 18.7 cm, 31.1 cm) (w/h, diagonal)
Display	Transparent TN LCD panel
Drive system	TFT Active matrix drive system
Effective picture element ratio	99.99 %
Effective picture elements	Horizontal: 800 dots Vertical: 600 lines
Speaker	1 <sup>1</sup> / <sub>8</sub> × 1 <sup>5</sup> / <sub>8</sub> inches (2.8 × 4 cm) (w/h) oval (2)
Audio output	0.8 W × 2, 8 ohms

## Web browser

HTML	HTML 4.01, XHTML Basic 1.0 Frame, JavaScript, SSL (V2/3), TLS 1.0, JavaApplet (PJA 1.2)
Image file types	GIF, JPEG, PNG
Macromedia Flash	Ver.6
AdobeReader LE	V1.0

## Mail

Transmit protocol	SMTP
Receive protocol	POP3

## Album

Album file types	GIF, JPEG, PNG, BMP, MPG (MPEG1 movie)
------------------	---

## Input/output

### Base Station

VHF/UHF	75-ohm external terminal
S-VIDEO	4-pin mini DIN
VIDEO INPUT1	
Y:	1 Vp-p, 75 ohms unbalanced, sync negative
C:	0.286 Vp-p (burst), 75 ohms
Video:	1 Vp-p, 75 ohms unbalanced, sync negative
Audio:	500 mVrms, Impedance: 47 kilohms

### VIDEO INPUT2

Video:	1 Vp-p, 75 ohms unbalanced, sync negative
Audio:	500 mVrms, Impedance: 47 kilohms
DC IN	12 V DC
ETHERNET	10BASE-T/100BASE-TX Ethernet with RJ-45 interface (1)
IR BLASTER	Minijack (1)

### Monitor

DC IN	16 V DC
Headphones	Stereo minijack Impedance: 16 ohms or more
USB	USB 1.1 (1)
ETHERNET	10BASE-T/100BASE-TX Ethernet with RJ-45 interface (1)
AV IN	Minijack (1)

# AC power adapter

## AC-LX1B (for the Base Station)

Power requirements	100 - 240 V AC, 50/60 Hz
Rated output	DC OUT: 12 V DC, 3 A
Operating temperature	32°F to 95°F (0°C to 35°C)
Storage temperature	14°F to 140°F (–10°C to 60°C)
Dimensions	Approx. 4 × 1 <sup>1</sup> / <sub>16</sub> × 2 inches (99.5 × 25.5 × 49.5 mm) (w/h/d, excluding protrusions)
Mass	6 oz. (180 g)

## AC-LX1M (for the Monitor)

Power requirements	100 - 240 V AC, 50/60 Hz
Rated output	DC OUT: 16 V DC, 3.75 A
Operating temperature	32°F to 95°F (0°C to 35°C)
Storage temperature	14°F to 140°F (–10°C to 60°C)
Dimensions	Approx. 5 × 1 <sup>3</sup> / <sub>16</sub> × 2 <sup>3</sup> / <sub>8</sub> inches (125 × 30 × 60 mm) (w/h/d, excluding protrusions)
Mass	11 oz. (300 g)

## BP-LX11A Battery

Rated voltage	10.8 V DC
Capacity	4,400 mAh
Type	Lithium ion battery
Dimensions	Approx. 4 <sup>7</sup> / <sub>8</sub> × 3 <sup>1</sup> / <sub>2</sub> × 1 <sup>3</sup> / <sub>16</sub> inches (123.6 × 88.0 × 20.5 mm) (w/h/d)
Mass	11 oz. (320 g)
Operating temperature	32°F to 95°F (0°C to 35°C)
Storage temperature	14°F to 95°F (–10°C to 35°C)

# General

## Power consumption

Base Station:	Approx. 15 W (watching TV) Approx. 0.7 W (power off, using AC power adapter)
---------------	---

Monitor:	Approx. 55 W (watching TV, charging battery) Approx. 24 W (watching TV, using battery) Approx. 43 W (power off, charging battery)
Operating temperature	32°F to 95°F (0°C to 35°C)

Storage temperature	14°F to 113°F (–10°C to 45°C)
Dimensions	

Base Station:	Approx. 3 <sup>1</sup> / <sub>4</sub> × 7 <sup>3</sup> / <sub>8</sub> × 5 <sup>1</sup> / <sub>4</sub> inches (8 × 18.4 × 13.1 cm) (w/h/d, excluding protrusions, including Base Station stand)
---------------	--

Monitor:	Approx. 13 <sup>1</sup> / <sub>2</sub> × 9 <sup>3</sup> / <sub>8</sub> × 2 <sup>1</sup> / <sub>8</sub> inches (34.1 × 23.7 × 5.3 cm) (w/h/d, excluding protrusions)
----------	---

Mass	
Base Station:	Approx. 1 lbs. 1 oz. (490g), including Base Station stand

Monitor:	Approx. 5 lbs. 1 oz. (2.3 kg), including the battery
----------	--

Communication range	Indoors: approx. 100 feet (30 m) (depending on the environment)
---------------------	---

Wireless LAN Standard	IEEE802.11 a/b/g
-----------------------	------------------

Frequency range	Base Station: 2.4 GHz band: Channels 1,6 and 11 5 GHz band: Channels 36,40,44,48,52,56,60 and 64 Monitor: 2.4 GHz band: Channels 1,2,3,4,5,6,7,8,9,10 and 11 5 GHz band: Channels 36,40,44,48,52,56,60 and 64
Modulation	DS-SS Modem and OFDM Modem
Power requirements	AC power adapter: 100 - 240 V AC, 50/60 Hz
Battery duration	Battery:4,400 mAh Approx. 4 hours (at minimum Backlight) Approx. 3 hours (at standard Backlight) Approx. 100 minutes (at maximum Backlight)
Battery charging time	Approx. 3 hours (Monitor power on) Approx. 2 hours (Monitor power off)
Supplied accessories	BP-LX11A battery (1) Stylus (1) AC-LX1B AC power adapter for the Base Station (1) AC-LX1M AC power adapter for the Monitor (1) Power cord (2) IR Blaster (1) Operating instructions (1) Quick Start Guide (1) Instructional DVD (1) Important software notice (1) Dynamic DNS Terms-of-Use Agreement (1) LocationFree Player software CD-ROM (1) (LocationFree Player, Operating Instructions PDF, and License (text file)) Warranty card (1)

## Optional Accessories

BP-LX11A rechargeable battery pack  
 LFA-ST11 stylus  
 LFA-C1/B cradle  
 LFA-W1 VESA wallmount attachment  
 Memory Stick (small IC storage media)  
 Headphones  
 Audio/video cables  
 Plug adapter  
 RK-G138 IR Blaster extension cable  
 VM-50 IR Blaster  
 VMC-N320TP, VMC-N120TT AV cable

These accessories are available as of September 2005. Note that these accessories may not be immediately available and that production of them may be stopped at any time.

Design and specifications are subject to change without notice.

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**LocationFree Customer Support**

1-866-925-SONY (7669) - U.S. & Canada

1-239-768-7688 - International

9:00 a.m. - 9:00 p.m. EST, Mon.-Fri. (English Only)

LocationFree Web sites

<U.S.>

<http://www.sony.com/locationfree/>

<Canada>

<http://www.sonystyle.ca/locationfree/>

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



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