LocationFree Player for PC

Operating Instructions

LFA-PC1  Pre-release version

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Contacting Sony
If, after reading these operating instructions, you have additional
questions related to the use of your Sony television, please call our
Customer Information Services Center at
1-800-222-SONY (7669) (US residents only) or
1-877-899-SONY (7669) (Canadian residents only).

Note
The screen shots used in this manual are only example images.
What is LocationFree Player?

LocationFree Player is a software application that enables video streaming over the internet, what is known as "NetAV" on the Sony LocationFree TV. The NetAV function allows you to stream live TV, VCR or DVDs from your home to your computer over a broadband internet connection.

Features of LocationFree Player

Watch TV, VCR or DVDs on your computer remotely (NetAV function (below))
With an Internet connection, you can use the NetAV function to watch TV, VCR or DVDs on your computer as you would at home.

Compatible with wireless and wired LAN
You can use either a wireless or a wired LAN to establish a connection with your base station with the NetAV function. NetAV function allows you to watch TV, VCR or DVDs from the base station through a hotel or public wireless access LAN.

Notes

- If your base station is connected to the Internet through an analog phone line using a dial-up router or cellular phone, the NetAV function is not accessible.
- The functions of the LocationFree Player are limited to the NetAV functions (TV, VCR and DVDs).

* Make sure that you respect copyright laws when enjoying TV, VCR or DVDs.
* Depending on the copyright protection methods used, you may not be able to view some materials.

What is the NetAV Function?

While you are away from home, you can connect the registered computer to your base station via the Internet, enjoy TV, and control the VCR or the DVD player in your home. This is the “NetAV” function.
For example, by connecting it to a public wireless access, you can enjoy NetAV at a cafe via the Internet. You can also enjoy NetAV at a hotel by connecting it to the Internet via wired LAN.
System Requirements

You must meet the following requirements to use LocationFree Player.

For details on setting up NetAV, refer to the NetAV Quick Start Guide. You can view the NetAV Quick Start Guide by opening the Start menu, selecting [All programs] ([Programs] in Windows 2000), and then selecting [Sony LocationFree Player].

Home requirements

- A LocationFree TV (LF-X1 or LF-X5) (base station and monitor).
- A broadband Internet connection
  We recommend network throughput higher than 300 kbps (both uploading and downloading).
- A static global IP address or dynamic DNS service
  A global IP address* must be assigned to the home network where the base station is installed.
  * A global IP address is also known as a “Public IP address”.
  Two types of service are available: static global IP address service and dynamic DNS service, in which a global IP address is assigned dynamically.

NetAV cannot be used over a dial-up connection or cellular phone.
Some other line types may not allow you to connect with NetAV because of restrictions imposed by Internet Service Providers (ISPs) or the connection devices in use.
If the connection speed is too slow, the picture and sound may cut out or be affected by noise, etc.
If a firewall is set, you cannot use NetAV.
You cannot connect with NetAV via proxy server.

Computer requirements (where LocationFree Player is installed)

Sony recommended

- A computer meeting the following requirements:
  - Operating system:
    Windows 2000 Professional ServicePack 4 or later
    Windows XP Professional/Home Edition ServicePack 1 or later
  - Processor: Pentium 4, 1 GHz or more
  - RAM: 256 MB or more
  - Available hard disk space: 300 MB or more
  - Monitor resolution: 800 x 600 pixels or more, HighColor (16 bit) or more
  - LAN connector or IEEE 802.11a, b or g compatible wireless LAN device to connect to the Internet
  - A LAN cable for wired connections
  - An Internet environment whose network throughput higher than 300 kbps (both uploading and downloading)

Tip

For details about necessary home (base station location) devices and Internet environment requirements to use the NetAV function, refer to the LF-X1/LF-X5 operating instructions.
Note

Even if the above requirements are satisfied, you may not be able to use the LocationFree Player because of limitations in peripheral devices such as your graphics card.
You must configure LocationFree Player before you can watch TV, VCR or DVDs with the NetAV function on your computer.

Before configuring LocationFree Player
Set up the LocationFree TV base station and monitor, using the instructions that they came with.

This manual only contains explanations about how to configure LocationFree Player and how to use it to watch TV, VCR or DVDs on your computer using the NetAV function. Information about the LocationFree TV configuration, Internet connection setup, and other information can be found in the LF-X1/LF-X5 operating instructions.

For details on setting up NetAV, refer to the NetAV Quick Start Guide. You can view the NetAV Quick Start Guide by opening the Start menu, selecting [All programs] ([Programs] in Windows 2000), and then selecting [Sony LocationFree Player].

Step 1 Installing the LocationFree Player software (page 9)

Steps required before access remotely (one-time setup)
Step 2 Setting up your computer (page 10)
Step 3 Setting up the NetAV function (page 10)
Step 4 Getting the base station ready to register your computer (page 12)
Step 5 Registering your computer with the base station (page 13)
Step 6 Configuring TV channels (page 17)

Remote location preparations
Step 7 Connecting your computer to the Internet (page 19)
Step 8 Establishing a connection with the base station from your computer (page 19)
Step 9 Configuring the on-screen remote control (page 20)

Enjoy TV, VCR or DVDs on your computer
**Tips**

- When you are using the monitor to communicate with the base station in “Home mode” to watch TV, VCR or DVDs, you cannot use the NetAV function from computers A or B to access the base station. However, if you select [Allow AV interception by registered monitors.] check box when you register the monitor, even if the monitor is being used to watch TV, VCR or DVDs, you can still initiate a NetAV connection with the base station from computers A or B.

- While the base station is feeding TV, VCR or DVDs to a remote computer with the NetAV function, you cannot use the NetAV function with other monitors. In other words, while computer A is accessing the base station with NetAV, you cannot use NetAV on computer B to access the base station. The reverse also applies.
Step 1 Installing the LocationFree Player Software

Follow the on-screen instructions to complete the installation of the software. For more details, refer to the “Software Installation Guide”.

💡 Tips

- LocationFree Player is compatible only with Windows XP and Windows 2000. It cannot run on other operating systems.
- If the Microsoft DirectX 9.0 is not installed on the computer where you choose to install LocationFree Player, it is installed at the same time you install LocationFree Player.

>Note

The 3ivx is installed at the same time as LocationFree Player. The 3ivx is a software essential to the proper operation of installed at LocationFree Player, and it should not be removed.
Preparations Prior to Access from a Remote Location

Step 2 Setting Up Your Computer

If you are using a personal firewall on your computer (contained in Windows XP or on products like Norton Internet Security), or if you are using a home router, you will need to configure your computer to use NetAV. Follow the instructions below to complete this configuration.

Step 3 Setting Up the NetAV Function

Perform this step using the LF-X1 or LF-X5.
This step summarizes how to configure the base station settings to use the NetAV function. For details, refer to the LF-X1/LF-X5 operating instructions.

1. Refer to “Setting Up NetAV” in the “What’s NetAV” section of the LF-X1/LF-X5 operating instructions to perform the setup.

2. Specify an IP address and the other information of the base station with the LF-X1 or LF-X5 monitor.
To use the NetAV function, you need to specify a static IP address in the [LAN (DHCP/Manual IP address settings)] screen.
Select [Settings], [Base station], [Internet Connection], [LAN (DHCP/Manual IP address settings)], and then [Settings].

(1) Make sure [Automatic IP address configuration (DHCP)] check box is selected and jot down the information in all of the fields*.

* If the [Automatic IP address configuration (DHCP)] check box is not selected, select the check box and click [Set]. The information in the fields appears in several seconds.
(2) Clear the [Automatic IP address configuration (DHCP)] check box. The information in the fields will clear, which releases the “automatic” IP settings.

(3) Enter again the information you jot down in step (1) - with one exception: For the IP address, be sure to change the last two digits to 64*.
   *
   * If you entered a different IP address for the port forwarding or DMZ settings of your router, make the last two digits match that address.

(4) Click [Set] to lock in the IP address and other important information on this screen.

Tip
Jot down the IP address that you specify. You will need it to establish a connection to the base station from your computer.

3 Connect to the Internet to confirm that LAN settings are correct. Go to the Web function. If the web page appears, your settings are correct. If the web page does not appear, you may not have entered the information correctly in Step 2. Go back and confirm that information has been entered correctly.

4 Configure the base station NetAV.
Select [Settings], [Base station], [NetAV Settings], and then [Enable/Disable NetAV].
To send video from the base station to a remote computer in the [Enable/Disable NetAV] screen as described below.

```
<table>
<thead>
<tr>
<th>Settings</th>
<th>Base station</th>
<th>NetAV Settings</th>
<th>Enable/Disable NetAV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

Select [Enable]

Specify a port number
(5021 is commonly used)
Step 4 Getting the Base Station Ready to Register Your Computer

This step explains how to set up the base station before registering your remote computer with it.

Tip
While you are using the NetAV function to send video from the base station, you cannot use the NetAV function from your home monitor or other computers to access the base station. For details about the NetAV function and device registration, refer to the LF-X1/LF-X5 operating instructions.

1. Set the monitor to the Home-Wireless setting. Check that BASE appears on the monitor.

2. Select [Settings], [Base station], [NetAV Settings], and then [Register Other Monitors]. The [Register Other Monitors] screen appears.

3. Configure each setting.

   (1) Select [Start]. After you select [Start], the current device status changes from “Registration not accepted” to “Ready for registration” and an 8-digit password appears. Jot down the password. You will need it to register your computer to the base station.

   (2) If you want to allow your computers to access the home base station while you are watching TV, VCR or DVDs in “Home mode”, select this check box.

Tip
You can resume viewing on your home monitor in “Home mode”, by selecting [Get AV], which interrupts the transmission to the computer connected through the NetAV function.
Step 5 Registering Your Computer with the Base Station

This step explains how to register your remote computer with the base station.

**Note**

If you remove the 3ivx after installing LocationFree Player, when you start LocationFree Player a DirectShow initialization error occurs. If this happens, uninstall LocationFree Player and then reinstall it.

1. Connect your computer to your network through a wireless or wired LAN connection.

2. Double-click (LocationFree Player) on your desktop.
   You can also point to [All programs] ([Programs] in Windows 2000), [Sony LocationFree Player], and then click [LocationFree Player] on the [Start] menu.
   LocationFree Player starts. The [Registration for Binding] screen appears.
Configure each setting.

(1) Type the domain name or static IP address of the target base station.
(2) Type the port number of the target base station (5021 is commonly used).
(3) Type the password that you received in step 4 of “Getting the Base Station Ready to Register Your Computer” (page 12).
(4) Type a name for the computer you are registering (no more than 20 alphanumerical characters). The name you type here will appear in the [Registered monitors] list of the [Register Other Monitors] screen on the LF-X1 or LF-X5 monitor.
(5) Click [Start].

**Note**

The [Registration for Binding] screen only appears when you register for the first time. For details about verifying the domain name, static IP address, and port number of the target base station after registration has finished, refer to “If You cannot Connect to the Base Station” (page 15).

A registration confirmation message appears. Select [OK] to begin registration.
When registration is complete, the message “Registration completed.” appears.
Tip

When the connection is established from the computer to the base station, the computer is registered under the name that you set in (4) of the procedure above in the [Registered monitors] list of the [Register Other Monitors] screen.

If the name of the registered computer does not appear, select [Refresh] to update the display.

If You cannot Connect to the Base Station

If an error message appears when you click [Connect], perform the following procedure at the base station to confirm the connection settings. Also confirm that the base station is set to accept registration.

1. Click [Settings] at the right bottom of the window.

The [Settings] screen appears.

Note

If the [Settings] button does not appear, enlarge the window until it does appear.
Preparations Prior to Access from a Remote Location

16 Step 5 Registering Your Computer with the Base Station

2 Click [NetAV Settings], [NetAV Connection], and confirm the settings.

(1) Type the domain name or static IP address of the target base station.
(2) Type the port number of the target base station.

Tip
When connected to the base station, this screen cannot be displayed.

Re-registering Your Computer with the Base Station
Perform registration again if you delete the information for a computer registered with the base station on the LF-X1 or LF-X5 or initialize the base station. Re-registering is necessary only if the registered computer does not appear when you select [Settings], [Base station], [NetAV Settings], and then open the [Register Other Monitors] screen (page 13) on the LF-X1 or LF-X5.

1 Perform the procedure described in “Step 4 Getting the Base Station Ready to Register Your Computer” (page 12).

2 Verify that the information of the target base station is correct (page 16).

3 Click [Registration for Binding], and then configure all the settings.
Step 6 Configuring TV Channels

This step explains how to configure the TV Channels.
You can confirm which TV channels are available by selecting [Settings], [TV/Video], [Channel Settings] on the LF-X1 or LF-X5.

1 Click [Settings] at the right bottom of the window.
If [Settings] is not present in the window, click anywhere in the window to display it.
The [Settings] screen appears.

Note
If the [Settings] button does not appear, enlarge the window until it does appear.

2 Click [TV/Video Settings], [Channel Settings], and then configure all the settings.
(1) If you subscribe to cable TV, select the [ON] option.
When [CABLE] is set to [ON], channels 1 to 125 are automatically selected, and when [CABLE] is set to [OFF], channels 2 to 69 are automatically selected.

(2) Clear the check boxes for channels that are not used.
You can confirm which TV channels are available by selecting [Settings], [TV/Video], [Channel Settings], and then [Channel Skip/Add] on the LF-X1 or LF-X5.

3 When you are done, click [OK] or [Apply].

💡 Tip
Buttons common to all [Settings] screens have the following functions.
[OK]: Updates the settings and closes the [Settings] screen.
[Cancel]: Closes the [Settings] screen without updating the settings.
[Apply]: Updates the settings without closing the [Settings] screen.
This is useful when you want to continue making settings.
Remote Location Setup

Step 7 Connecting Your Computer to the Internet

Connect your computer to the Internet through a wireless or wired LAN connection. For details about how to connect to the Internet, refer to your computer and the Internet provider’s documentation.

Step 8 Establishing a Connection with the Base Station from Your Computer

Start LocationFree Player, and then establish a connection with the base station.

1. Double-click (LocationFree Player) on your desktop.
   You can also point to [All programs] ([Programs] in Windows 2000), [Sony LocationFree Player], and then click [LocationFree Player] on the [Start] menu.
   LocationFree Player starts.

2. Click [Connect] at the left bottom of the window.
The system attempts to establish a connection. When the connection is established, the base station begins to buffer and transmit video signals, and they appear in your window. If you cannot establish a connection, refer to “Troubleshooting” (page 36).

**Step 9 Configuring the On-screen Remote Control**

If you installed the supplied IR Blaster on your external tuner (such as a set-top box) or if you installed it on a device connected to the base station, you can display a remote control on your screen and control the display with it.

**Configuring the TV Remote Control**

Before performing the following steps, click [Connect] to connect to the base station.

1. Click anywhere inside the window. The index appears.
2. Click [TV].
3. Click [Settings] at the right bottom of the window. The [Settings] screen appears.

**Note**

If the [Settings] button does not appear, enlarge the window until it does appear.

4. Click [TV/Video Settings], [Remote Settings], and then [TV].
(1) Select the [External TV tuner] option, and then select the appropriate channel from the pull-down list.
(2) Select the make of the connected device.
(3) Select the type of the connected device.
(4) If the configuration above is correct, each time you click [Power], your TV should turn on or off.

After clicking [Power], it takes five seconds or more for the TV to respond.
If it does not work, make sure that the make and model are correct, and then try again.
Also, check the connection between the base station and connected device, and make sure the IR Blaster is installed properly.

5. Click [OK] or [Apply].

**Configuring the Remote Control for Video 1 and Video 2**

Before performing the following steps, click [Connect] to connect to the base station.

1. Click anywhere inside the window.
The index appears.

2. Click the feed for which you want to setup the remote control.

3. Click [Settings] at the right bottom of the window.
The [Settings] screen appears.

**Note**
If the [Settings] button does not appear, enlarge the window until it does appear.

4. Click [TV/Video Settings], [Remote Settings], and then [Video 1] or [Video 2].
Remote Location Setup

22 Step 9 Configuring the On-screen Remote Control

(1) Select the make of connected device.

(2) Select the type of connected device.

(3) If the configuration above is correct, each time you click [Power], your device should turn on or off.

After clicking [Power], it takes five seconds or more for the device to respond.

If it does not work, make sure that the make and type are correct, and then try again.

Notes

- Even if the power turns on and off correctly with [Power], other buttons may not be enabled. If this happens, select [TV] from the Index. With the on screen-remote, confirm that the buttons are enabled.
- Some devices may not have a [Power] button (e.g. DVR). In this case, as well, use the on-screen remote to display [TV] and confirm that the buttons are enabled.

When connecting two devices to the same connector
Make sure that the device connected directly to the base station is connected as the first device.

When connecting an all-in-one video device, such as a VCR+DVD player
The second remote control is automatically set when you select a device displayed as all-in-one device from the [Type] list (e.g., Sony “VCR+DVD player”). Click the [Switch] button on the on-screen remote control to switch between the remote control of the VCR and that of the DVD player.

5 Click [OK] or [Apply].

Tip

After configuring the remote control for Video 1 and Video 2, the [Video 1] and [Video 2] options in the [index] window change to their set remote control names.
Watching Video Remotely

Starting the NetAV Function

Start LocationFree Player, establish a connection with the base station, and then start the NetAV function.

**Note**

If you remove the 3ivx after installing LocationFree Player, when you start LocationFree Player a DirectShow initialization error occurs. If this happens, uninstall LocationFree Player and then reinstall it.

### Starting the NetAV Function

1. Double-click (LocationFree Player) on your desktop.
   You can also point to [All programs] ([Programs] in Windows 2000), [Sony LocationFree Player], and then click [LocationFree Player] on the [Start] menu.
   LocationFree Player starts.

2. Click [Connect] at the left bottom of the window.

The system attempts to establish a connection.
When the connection is established, appears in the upper part of the screen. A few moments later, the base station begins to transmit video, and it appears in your window.
If the video feed does not appear in your window, click anywhere inside the window to display the index, and then click the feed that you want to see.
Quitting the NetAV Function

Closing the Connection with the Base Station
Click anywhere on the screen to display the top and bottom menu bars, and then click [Disconnect] at the left bottom of the window.

Quitting LocationFree Player
Click anywhere on the screen to display the top and bottom menu bars, and then click (Close) at the top right of the window.
Overview of the LocationFree Player Window

If the desired button does not appear, enlarge the window until it does appear.

1. **TV/Video display**
2. **TV channel**
3. **NetAV indicator**
   - This indication appears here when a connection is established with the base station and you are using the NetAV function.
4. **Volume indicator**
5. **Minimize button**
   - To minimize the LocationFree Player window, use the Minimize button.
6. **Maximize/Restore button**
   - To maximize the LocationFree Player window to fill the screen, use the Maximize button. When the window fills the screen, use the Restore button to restore it to its original size.
7. **Close button**
   - To quit LocationFree Player, use this button.
8. **Index (page 28)**
   - To select [TV], [Video 1] or [Video 2].
9. **Settings**
   - To display the screen allowing you to display the [Settings] screen, use this button.
(10) **Volume control (☞ page 29)**

To control the sound volume, use these buttons.

(11) **Muting**

To mute the sound, use this button.

(12) **SAP (☞ page 30)**

To switch to the secondary audio program (when and where available), use this button.

(13) **Rate (☞ page 30)**

To change the TV or video streaming rate according to your communication environment, use this button.

(14) **Remote (☞ page 30)**

To display the on-screen remote control, use this button.

(15) **Connect/Disconnect**

To establish a connection with the base station, click [Connect]. To close the connection with the base station, click [Disconnect].

💡 **Tip**

You can use your mouse or keyboard to display the setting dialog box and make any setting modification. For details, see the mouse and keyboard operations list (☞ page 33).

**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) Close button
   To hide the remote control, use this button.

(3) Channel display

(4) Number buttons
   To select a channel, use these buttons. After you enter a channel, click the [Enter] button or wait 3 seconds to confirm.

(5) Enter
   To confirm the channel entered with the number buttons.

(6) CH +/-
   To immediately display the next channel, use the + button. To immediately display the previously watched channel, use the - button.

(7) Jump
   To jump from the current channel to the last channel, and then to the current channel, use this button.
Displaying the Index

Use the index to switch among input feeds.

1. Click anywhere inside the window. The index appears.

   **Note**

   If you are not connected to NetAV, the index will not appear when you click inside the window.

2. Click the feed that you want to see.

   ![Index Window](image)

   The selected feed appears in the window.
Watching TV and Video

Display the index (page 28), and then select the desired feed.

TV Channel Selection

With the On-screen Remote Control
When the on-screen remote control is configured as described on page 20, you can display it to select a TV channel. Click [Remote] at the left bottom of the window, use the remote control number buttons to enter the desired channel number, and then click [Enter].

With Your Keyboard (Only when using the internal tuner)
You can only change the channel with the UP and DOWN ARROW keys on the keyboard if you are using the LocationFree TV internal tuner.

Volume Adjustment

Using the [+] and [-] volume buttons, at the right bottom to adjust the volume.

Tip
Pressing the [+] volume button when the sound is muted releases the mute setting.
Using the On-screen Remote Control

After the on-screen remote control is configured (page 20), you can control the TV or video displays.

Click [Remote] at the left bottom of the window.
The remote control appears.

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, select [SAP] repeatedly at the bottom of the window to switch among audio tracks. Each time the [SAP] button is clicked, [STEREO] or [SAP] appears on the window.

Tip
To select an SAP option for external equipment, use the remote supplied with the connected equipment.

Changing the Streaming Rate

You can change the TV or video streaming rate according to your communication environment.

1. Click [Rate] at the bottom of the window.
The [Change Rate] screen appears.

2. Select the desired rate, and then click [OK].

The NetAV connection will be interrupted for a moment when you change from the lowest connection bit rate to another bit rate or vice versa.
Watching Video at Home with the NetAV Function

If you install the LocationFree Player to the home computer, you can watch video in your room from the base station in the living room via home network.

**Note**

The settings of the computer is up to its operating system and your network environment. Refer to the instruction manual with your computer for more details.

**Wired LAN Setup**

You can watch video on your computer with NetAV function via wired LAN at home.

💡 **Tip**

You need a router for this usage.

1. Connect the computer, base station and router with LAN cables (not supplied) as shown below.

2. With your LocationFree TV (LF-X1 or LF-X5), select [Settings] - [Base station] - [Internet Connection] - [LAN (DHCP/Manual IP address Settings)], and jot down the IP address of the base station.

3. Register your computer to the base station. (☞ page 13)
Wireless LAN Setup

You can watch video on your computer with NetAV function via wireless LAN at home. The base station should be used as a wireless access point.

1. With your LocationFree TV, select [Settings] - [Base station] - [Wireless Access Point], and configure it as described below.

Refer to the LF-X1/LF-X5 operating instructions. For more details about setting of wireless LAN.

2. Clear [Stealth (Hide SSID)] check box.

Tips
- You can use this even if you do not clear the [Stealth (Hide SSID)] check box.
- If you select the check box, you have to input the SSID and you cannot confirm the base station radio wave status.

3. Jot down IP address on the [IP address of the base station].
4. Click [Set].

2. Register your computer to the base station. (☞ page 13)
Mouse and Keyboard Operations

You can perform the following operations with your computer’s mouse and keyboard.

**Mouse operations**

<table>
<thead>
<tr>
<th>Operations</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Click</td>
<td>Clicking anywhere inside the window displays the index.</td>
</tr>
<tr>
<td>Right-click</td>
<td>Right-clicking anywhere inside the window displays a context menu as described below.</td>
</tr>
</tbody>
</table>

**Items displayed by right-clicking anywhere inside the window**

<table>
<thead>
<tr>
<th>Items</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect/Disconnect</td>
<td>Establish a connection with the base station and close that connection.</td>
</tr>
<tr>
<td>Remote</td>
<td>Display and hide the on-screen remote control.</td>
</tr>
<tr>
<td>Settings</td>
<td>Display the [Settings] screen.</td>
</tr>
<tr>
<td>Rate</td>
<td>Change the TV or video streaming rate according to the communication environment.</td>
</tr>
<tr>
<td>SAP</td>
<td>Switch to the secondary audio program.</td>
</tr>
<tr>
<td>Muting</td>
<td>Mute the sound.</td>
</tr>
<tr>
<td>Vol +</td>
<td>Turn up the volume.</td>
</tr>
<tr>
<td>Vol -</td>
<td>Turn down the volume.</td>
</tr>
<tr>
<td>Operating Instructions</td>
<td>Display Operating Instructions.</td>
</tr>
<tr>
<td>Version Info</td>
<td>Display the software version.</td>
</tr>
<tr>
<td>Quit Application</td>
<td>Quit the program.</td>
</tr>
<tr>
<td>Always on top</td>
<td>Display the screen on top of all other screens.</td>
</tr>
</tbody>
</table>
**Operations possible with the keyboard**

<table>
<thead>
<tr>
<th>Shortcut keys</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ctrl+W or Alt+F4</td>
<td>Quit the program.</td>
</tr>
<tr>
<td>F1</td>
<td>Display Operating Instructions.</td>
</tr>
<tr>
<td>F5 or Ctrl+S</td>
<td>Establish a connection with the base station and sever that connection.</td>
</tr>
<tr>
<td>F6 or Ctrl+R</td>
<td>Display and hide the on-screen remote control.</td>
</tr>
<tr>
<td>F7 or Ctrl+L</td>
<td>Change the TV or video streaming rate according to the communication environment.</td>
</tr>
<tr>
<td>F8 or Ctrl+M</td>
<td>Mute the sound.</td>
</tr>
<tr>
<td>F12 or Ctrl+P</td>
<td>Display the [Settings] screen.</td>
</tr>
<tr>
<td>RIGHT or LEFT ARROW</td>
<td>Turn up or down the volume.</td>
</tr>
<tr>
<td>UP or DOWN ARROW</td>
<td>Change channels.</td>
</tr>
<tr>
<td>Alt+SPACEBAR</td>
<td>Display a menu relevant to the display.</td>
</tr>
</tbody>
</table>
Removing LocationFree Player from Your Computer

Select [All programs] ([Programs] in Windows 2000), [Sony LocationFree Player], and then click [Uninstall LocationFree Player] on the [Start] menu. Follow the instructions on the screen to complete the procedure.

**Note**

The 3ivx is not removed automatically when LocationFree Player is removed. Remove it manually.
# Troubleshooting

If you encounter any problems, refer to the list below for solution. Also refer to the LF-X1/LF-X5 operating instructions for more troubleshooting tips.

For more help troubleshooting, also refer to the following URL:
http://esupport.sony.com/perl/select-lftv.pl/

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solutions</th>
</tr>
</thead>
</table>
| Cannot register with the base station. | • Verify that the domain name or static IP address for the base station you want to register with is correct.  
• Verify that the base station is set to accept registration.  
• Verify that the password is correct.  
• Make sure the base station has NetAV enabled.  
• Verify that you are not using a single serial key on multiple computers.  
If the LocationFree Player is installed on multiple computers with the same serial key, those computers cannot be registered to the same base station. |
| Cannot establish a connection with the base station. | • Verify that the base station is on.  
• Verify that the base station domain name or static IP address are correct ([格力] page 15).  
• Verify that your computer is connected to a network and it can connect to the Internet.  
• Verify that your network environment meets the specified requirements to use the NetAV function. For details, refer to the LF-X1/LF-X5 operating instructions.  
• Verify that the updating dynamic DNS is not failed.  
• If you are using a personal firewall on your computer or if your Internet network environment uses a firewall, make sure that your computer is configured so that the NetAV function uses port number 5021 to connect.  
• You cannot connect while another monitor is connected by NetAV. Wait awhile and try connecting again.  
• Verify that the device is registered.  
Refer to “Step 4 Getting the Base Station Ready to Register Your Computer” ([格力] page 12).  
• Verify that the device’s registration information has not been deleted from the [Register Other Monitors] screen on the base station. |
| The TV feed is not displayed. | • Verify that you have correctly configured the TV channels ([格力] page 20). |
| The NetAV connection breaks off suddenly. | • Has any security software such as anti-virus or anti-spam software been installed?  
If so, the software’s firewall function may have blocked NetAV.  
• Does the message “AV connection started by other monitor” appear?  
If so, the NetAV connection was broken because someone selected [Get AV] on the LF-X1/LF-X5 monitor and started watching video.  
If [Allow AV interception by registered monitors] is selected on the [Register Other Monitors] screen of the LF-X1/LF-X5, you can watch video by selecting [Connect] again. If this option is not selected, a NetAV connection cannot be established while video is being watched on the LF-X1/LF-X5 monitor. |
<table>
<thead>
<tr>
<th>Problem</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>The feed from a device connected to the base station is not displayed.</td>
<td>• Verify that any peripheral devices are correctly connected to the base station.</td>
</tr>
<tr>
<td></td>
<td>• Verify that the supplied IR Blaster is correctly installed and that the on-screen remote control is correctly configured. For details, refer to the LF-X1/LF-X5 operating instructions.</td>
</tr>
<tr>
<td>Assigned channels do not display.</td>
<td>• Try changing the CABLE ON/OFF setting.</td>
</tr>
<tr>
<td>The picture is distorted.</td>
<td>• Update to the newest display driver provided by the maker of your monitor.</td>
</tr>
<tr>
<td>Cannot display the on-screen remote control or cannot click [Remote].</td>
<td>• Verify that the supplied IR Blaster is correctly installed and that the on-screen remote control is correctly configured. For details, refer to the LF-X1/LF-X5 operating instructions.</td>
</tr>
<tr>
<td></td>
<td>• Verify that the on-screen remote control is correctly configured in the LocationFree Player settings screen (page 20).</td>
</tr>
<tr>
<td>The Settings button or Vol button does not appear.</td>
<td>• If the window size is too small, some buttons may not be shown. Make the window larger to see the buttons.</td>
</tr>
<tr>
<td>Video does not appear when I select TV, Video 1, or Video 2 in the [INDEX] window and click [Connect].</td>
<td>• If you are not using the LocationFree TV internal tuner, you must use the remote control to display video.</td>
</tr>
<tr>
<td>The remote control responds to a single button push as though the button were pushed several times.</td>
<td>• Verify that you don’t hold down the mouse button too long when clicking. Try to keep your mouse clicks short.</td>
</tr>
<tr>
<td></td>
<td>• Verify that the specified rate is not too high in relation to the actual line speed. Try lowering the rate.</td>
</tr>
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