SONY

Internet Terminal

Operating Instructions
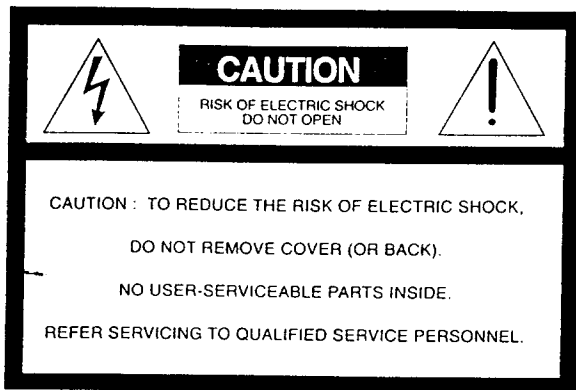
webtv
N E T W O R K S

INT-W100

©1996 by Sony Corporation

WARNING

To prevent fire or shock hazard, do not expose the Internet Terminal to rain or moisture.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,

DO NOT REMOVE COVER (OR BACK).

NO USER-SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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
To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted to prevent blade exposure.

Note to the CATV Installer
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

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

Smart Card Slot and WebTV Port
Your Internet Terminal is equiped with a Smart Card Slot and a WebTV Port that can be used in the future. To avoid damaging your Internet Terminal, do not poke, slide, or insert foreign objects into the slot or port.

Owner's Record

The model and serial numbers are located at the rear of the Internet Terminal. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. ___INT-W100___

Serial No. _____

Trademark and Copyrights
WebTV and Around Town are trademarks of WebTV Networks, Inc.

Notice
Your Sony Internet Terminal provides access to the Internet and the World Wide Web. Information on the Internet and World Wide Web is created by millions of individuals and organizations. This is what gives the Internet its diversity and value. However, some information may include material which you find objectionable. WebTV Networks, Inc. provides some methods that you may use to minimize the display of objectionable content. Sony is not responsible for the content of material accessed through your terminal.

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Table of Contents

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Introduction

Welcome! Thank you for purchasing the Sony Internet Terminal. To access the Internet with this product, you need to subscribe to the WebTV Network. Becoming a subscriber is an easy process once you've connected your Internet Terminal and learned the basic remote control functions described in the following chapters of this manual.

This chapter highlights WebTV features and reviews package contents and battery requirements.

WebTV Features

The Internet is a limitless resource for information and entertainment. You can use it to visit a museum in Paris, check local movie schedules, e-mail your relatives across the country, or discuss sociology with a group of students in Spain.

WebTV makes exploring the Internet easy and fun with features such as:

❑ Explore – A directory of the most useful and exciting pages on the Internet.

❑ Search – An easy way to locate information on almost any topic.

❑ Favorites – Instant access to your favorite pages on the Internet.

❑ E-mail – Electronic messages, which you can exchange with members of *any* Internet Service.

❑ Around Town – Information on services specific to your geographic location.

❑ Multiple accounts – Lets members of your household have private mailboxes and Favorites lists.

❑ Content filtering – Lets you restrict access to e-mail and pages on the Internet that contain mature material.

Note
The WebTV Network is constantly expanding. Whenever WebTV adds exciting new features for you to explore, we'll also provide easy-to-follow instructions through the INSTRUCTIONS icon on the WebTV Home Page. See Chapter 5, Exploring the Internet on WebTV, for details.

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Package Contents

Make sure you have received all of the following items in your Internet Terminal package:
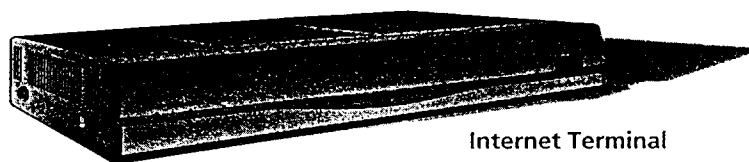
Internet Terminal
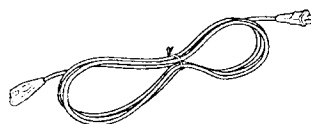
A/V (Audio/Video) Cable   AC Power Cord   Size AA Batteries (2)

Telephone Cable   S-Video Cable   Telephone Cable T Splitter   Remote Control

Note

If you are missing any of these items, please contact the store where you purchased your Internet Terminal.

Batteries for the Remote Control

Insert two AA batteries (supplied) into the remote using the following illustration as a guide.
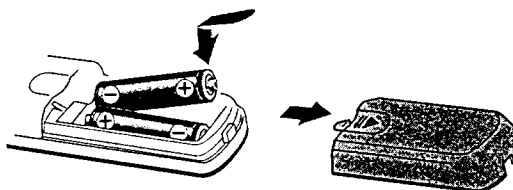
Notes

Under normal conditions, batteries will last up to six months. If the remote control does not operate properly, the batteries might be worn out. When replacing batteries, replace both of them, and do not mix brands.

When you remove batteries, preset codes may be lost. If this happens, you must reprogram the remote. See Programming the Remote on page 30 for details.

Connecting Your System

Read this chapter while setting up your Internet Terminal for the first time.

Overview

Before you can connect to WebTV, you must connect your Internet Terminal to each of the following:

❑   Your TV (either directly or through your VCR)
❑   A telephone line
❑   An AC power outlet

The type of connection you choose depends on whether your TV:

If you use an answering service or voice message service, you must listen to all your messages before you can connect to the WebTV Network.

❑   Has S-VIDEO, RCA-type A/V (audio/video), or RF coaxial jacks.
❑   Is connected to a VCR.

An S-VIDEO connection provides the best picture quality of all the connection options.

For optimum audio performance, consider integrating the Internet Terminal into your home entertainment system.

Telephone Line Connection Options

.If possible, connect your Internet Terminal to a telephone jack that isn't connected to a telephone. If you have only one telephone jack, use the T Splitter to share the line. This will enable you to keep both the Internet Terminal and your telephone plugged in at the same time. The T Splitter must be plugged into the wall jack to operate properly.

If you don't have Call Waiting, a person trying to call you while you're connected to WebTV gets a busy signal.

If you have Call Waiting and you want your Internet Terminal to temporarily disconnect from the WebTV Network when you receive a call, see "Select dialing options" on page 23. This setting will allow your telephone to ring so you can take the call the way you normally do. When you're finished with the call, push the ·✦· button on the remote to reconnect to the WebTV Network. You will be reconnected to the page you were visiting when the call came in.

You may find you don't want to be interrupted when you are on the Internet. WebTV makes it easy for you to temporarily turn off Call Waiting while you're connected. For information on disabling Call Waiting, or on disconnecting from the WebTV Network to make a telephone call, see SETUP on page 22.

If the telephones in your house are generally busy, you might consider using a separate, or dedicated, telephone line for WebTV Network. Contact your local telephone company to order a separate telephone line.

Connecting to a TV or VCR

Connecting to a TV with an S-VIDEO jack (Best picture quality)

Internet Terminal

Caution
If you connect your Internet Terminal to a projection TV, prolonged use of your Internet Terminal may degrade your projection TV's picture tube, by causing an imprinted image to remain on the screen.
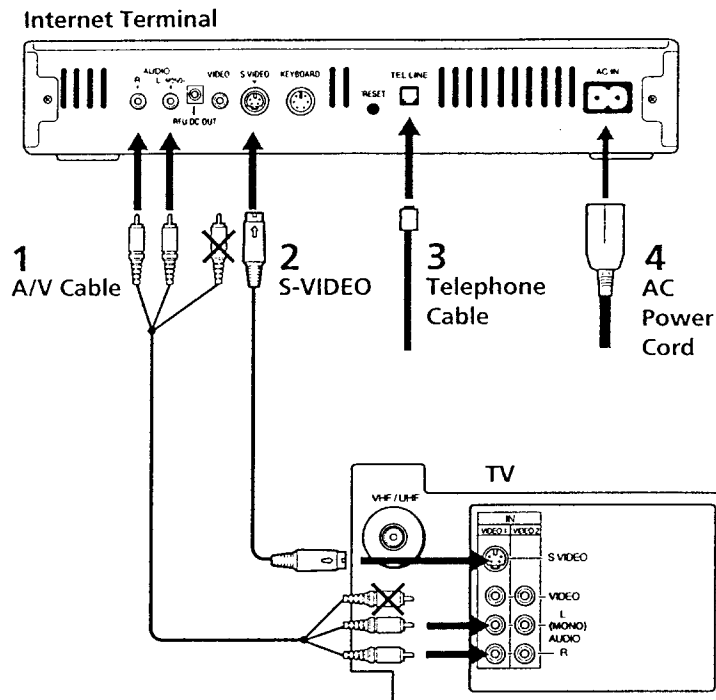
If you choose this setup, use the remote control that came with your TV to set the video input, when viewing WebTV, to S-VIDEO IN.

1 Connect the AUDIO jacks on the Internet Terminal to your TV's AUDIO IN jacks, using the supplied A / V cable.

Do not connect the VIDEO A/V jack.

2 Use the supplied S-VIDEO cable to connect the S-VIDEO jacks from your Internal Terminal to your TV.

3 Connect one end of the telephone line cable to the Internet Terminal's TEL LINE jack. Connect the other end to your home's telephone outlet.

4 Connect one end of the AC power cord to the Internet Terminal's AC IN jack. Connect the plug end to an AC outlet.

Only use the supplied AC power cord.

Connecting to a TV or a VCR with RCA jacks

Internet Terminal

Caution

If you connect your Internet Terminal to a projection TV, prolonged use of your Internet Terminal may degrade your projection TV's picture tube, by causing an imprinted image to remain on the screen.
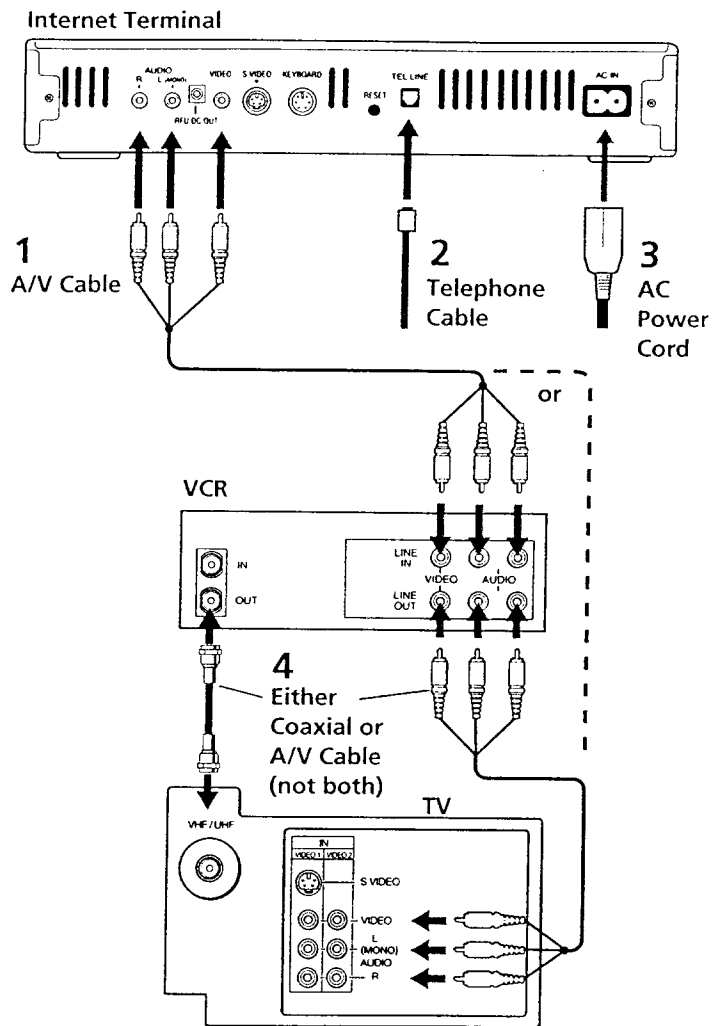
1 A/V Cable

2 Telephone Cable

3 AC Power Cord

or

VCR

4 Either Coaxial or A/V Cable (not both)

TV

If you choose this setup, use the remote control to set the video input, when viewing WebTV to VIDEO IN.

If you connect through your VCR, the VCR must be turned on with the external input selected, when you are connected to the Internet.

1 Connect the supplied A/V cable to the Internet Terminal and the A/V IN jacks on your VCR or TV, matching like colors. If there is only one audio jack, connect the white plugs.

2 Connect one end of the telephone line cable to the Internet Terminal's TEL LINE jack. Connect the other end to your home's telephone outlet.

3 Connect one end of the AC power cord to the Internet Terminal's AC IN jack. Connect the other end to an AC outlet.

Only use the supplied AC power cord.

4 If connecting through your VCR, connect the VCR's A/V OUT jacks to the TV's A/V IN jacks. If you use a coaxial cable for this connection, connect the OUT jack on your VCR to the VHF/UHF jack on your TV.

Connecting to a TV without A/V jacks

If your TV does not have A/V jacks, you must use an RFU adaptor (optional accessory) to connect the Internet Terminal to your TV.

Internet Terminal

1 RFU Adaptor

2 Telephone Cable

3 AC Power Cord

TV

Caution

If you connect your Internet Terminal to a projection TV, prolonged use of your Internet Terminal may degrade your projection TV's picture tube, by causing an imprinted image to remain on the screen.

Audio is monaural with this adaptor. Refer to your RFU adaptor manual for more information.
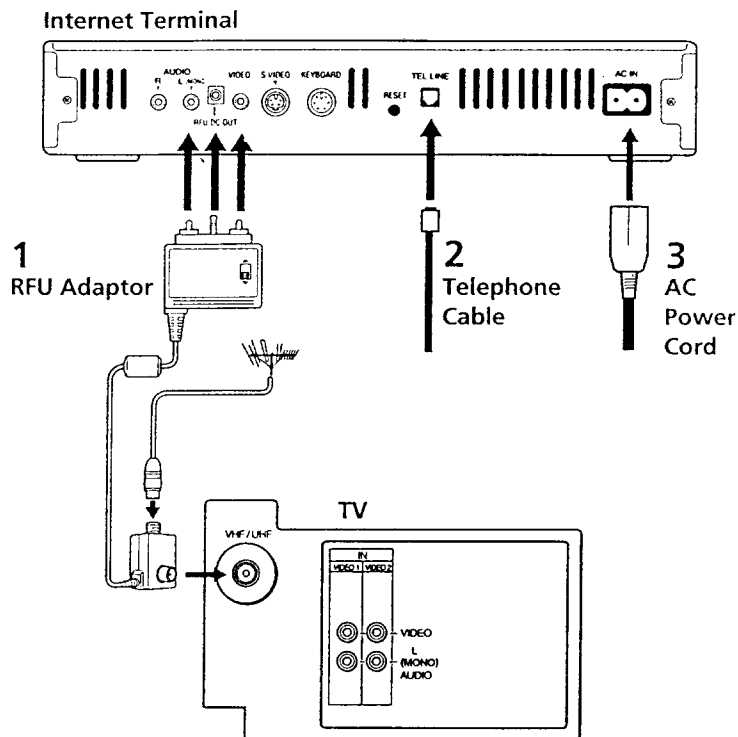
Set the channel switch on the RFU adaptor to VHF channel 3 or 4, whichever does not receive a broadcast station in your area.

1 Connect the RFU adaptor to the VIDEO and AUDIO jacks on the Internet Terminal.

2 Connect the OUT plug on the adaptor to the ANTENNA jack on the back of your TV. You may need to disconnect the antenna cable from your TV to make this connection. Connect the antenna cable or cable line to the ANT jack on the RFU adaptor.

3 Connect one end of the telephone line cable to the Internet Terminal's TEL LINE jack. Connect the other end to your home's telephone outlet.

4 Connect one end of the AC power cord to the Internet Terminal's AC IN jack. Connect the plug end to an AC outlet.

   Only use the supplied AC power cord.

5 Set your TV Channel to 3 or 4 , depending on which channel the RFU adaptor is set to, when using the Internet Terminal. When you are watching TV, make sure your Internet Terminal is turned off.

Chapter 2: Connecting Your System **9**

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Using the Remote Control and Basic Functions

Although your remote control is preset to operate Sony brand TV's, you can program your WebTV remote control to operate other manufacturer's TV's. This will enable you to operate your TV when viewing regular broadcast TV using the WebTV remote. For information, see Programming the Remote on page 30.

Remote Control Buttons

TV/VIDEO Button
Displays different video input settings; switches reception between WebTV and regular broadcast TV.

TV/WEB POWER Button
TV: Turns your TV on and off.
WEB: Turns the Internet Terminal on and connects to WebTV; disconnects from WebTV and turns off the Internet Terminal.

CH/NUMBER Switch
CH: When viewing TV, this setting enables you to use the number buttons to select TV channels.
NUMBER: When viewing WebTV, this setting enables you to type numbers on your screen.

0 – 9 and ENTER Buttons
0 – 9: Channel selection, or number selection.
ENTER: Activates the selected channel on your TV.

OPTIONS
Displays the OPTIONS panel.

RECENT
Slides a panel onto your screen that displays a miniature version of the 12 most recent pages you've visited on WebTV.

SCROLL
Move the page up or down when the page is too long to be displayed on the screen.

HOME/BACK Button
HOME: Displays the WebTV Home Page.
BACK: Displays the last page viewed, or hides the on-screen keyboard.

Arrow Buttons
Move the yellow highlight box to a different command or activity on the screen; select different keys when the on-screen keyboard is displayed.

-◆- Button
Activates a highlighted link or command; displays the on-screen keyboard; displays a moveable arrow when the currently displayed page contains an image map. See Finding Links on an Image Map on page 11.

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Links

Areas on a page that can be highlighted are called links, because they link you to another page. Links can be words, pictures, icons, or boxes of any shape or color. WebTV finds each link on a page for you when you press the arrow buttons on the remote.
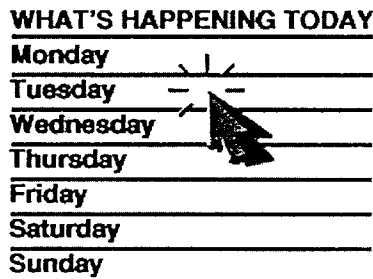
To activate a link:

1 Use the arrow buttons on the remote to highlight the link you want to activate.

2 Press -♦- on the remote.

Finding Links on an Image Map

In some cases when you go to a page, the highlight surrounds more than a single link. Several links or possibly the entire page may be highlighted. This indicates the presence of several links in a single highlighted area. This is called an image map. An arrow will appear in the lower right corner of the highlight when an image map is displayed.

To find links on an image map:

1 Press -♦- to activate the arrow.

2 Use the remote control arrow buttons to move the arrow until its point "touches" the link you want to highlight.

<u>**WHAT'S HAPPENING TODAY**</u>
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

3 Press -♦- to activate the link.
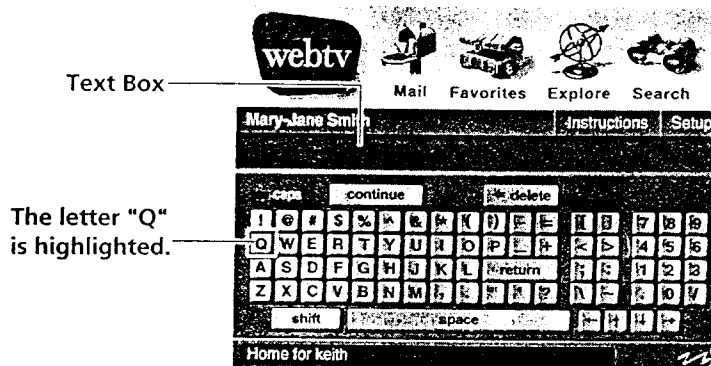
The On-Screen Keyboard

You can type on-screen only when a text box is displayed.

Use the on-screen keyboard to type information on your TV screen. When you request an activity that requires typing, such as sending an e-mail message, a text box appears on your screen. A text box contains a vertical yellow line, which indicates exactly where you can type in the text box.

## To display the on-screen keyboard:

1 Move the yellow highlight to a text box using the remote control arrow buttons. The highlight becomes a vertical yellow line inside the box.

2 Press -♦- on the remote. The keyboard slides onto your screen.

You can choose whether your keyboard displays letter keys in alphabetical order, or standard typewriter order. See SETUP on page 22 for details.

Text Box

The letter "Q" is highlighted.

To hide the on-screen keyboard at anytime, press BACK.

Using the On-Screen Keyboard

To	Do This
Type letters, numbers, and punctuation marks using the on-screen keyboard	Highlight the desired character using the arrow buttons on the remote control, and press -♦- on the remote.
Type numbers using the remote	Set the CH/NUMBER switch to NUMBER on your remote.
	Press the desired number button on the remote.
Type upper case letters	Highlight SHIFT on the on-screen keyboard using the remote control arrow buttons, and press -♦- on the remote. The red light next to "caps" turns on.
	Highlight the desired character using the remote control arrow buttons, and press -♦- on the remote.
	Note *To type more than one upper case letter, repeat these steps for each letter.*
Erase or change a character	Highlight an arrow key on the on-screen keyboard, and press -♦- repeatedly until the vertical line is located to the right of the character you want to erase.
	Highlight DELETE on the on-screen keyboard and press -♦- on the remote.
	Highlight the character you wish to substitute and press -♦- on the remote.

To	Do This
Insert a space between characters	Highlight SPACE on the on-screen keyboard and press -♦- on the remote.
Move to the next line in a text box	Highlight RETURN on the on-screen keyboard and press -♦- on the remote. Note *The yellow line automatically moves to the next line when you come to the end of a line in a text box.*
Move to the next text box on the same page	Highlight CONTINUE on the on-screen keyboard and press -♦- on the remote.
Move to the previous text box on the same page	Press BACK on the remote to hide the keyboard. Press the up arrow button on the remote. The yellow line moves to the previous text box. Press -♦- on the remote. The on-screen keyboard slides onto your screen.
Hide the on-screen keyboard	Press BACK on the remote.

The RM-KW100 Wireless Keyboard is now available, see your local retailer for details!

Signing Up for WebTV

Signing up for WebTV is as easy as filling out a short application form. When you complete the last page, you will be given the opportunity to correct any mistakes. After you finish, the WebTV Home Page appears and you are ready to begin your Internet experience. Should you have any difficulty signing-up, please call 1-800-GOWEBTV.

Signing Up

If you are connected through a VCR, you must turn on the VCR and select external input before accessing the Internet.

1 Press TV to turn on your television. See Programming the Remote on page 30.

2 Press WEB to display the first sign-up page.

Note
The first time you connect to the WebTV Network, your Internet Terminal takes a minute or more to make the connection.

3 Press -♦- to display the on-screen keyboard.

4 Type the required information in each text box. If a page contains more than one text box, highlight CONTINUE on the on-screen keyboard and press -♦- to move to the next text box.

During the sign-up process, you are asked to provide the following information:

❑ *Name*
❑ *Billing address*
❑ *Phone number*
❑ *Credit card information*
❑ *An Internet name (which acts as your e-mail address)*

Your first name

Use your remote control to type just your first name.
Highlight a letter, then press the center ❲+❳ button.

Text Box ——— first name: [ ]   Choose Continue to go on and fill in your last name

The letter "A" is highlighted.

5 When you complete a page, press BACK on the remote to hide the keyboard, then highlight the CONTINUE command and press -♦- to move to the next page.

6 Repeat steps 4 and 5 until you have entered all of the required information.

Note
The sign-up pages will reappear each time you turn on your Internet Terminal until you complete the sign-up process.

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Phone Number and Credit Card Information

❏ To use the number buttons on the remote to type numbers, set the CH/ NUMBER switch to NUMBER. You don't have to insert spaces or hyphens.

❏ If you connected your Internet Terminal to a dedicated phone line, don't enter that number here. Enter the number at which you receive calls.

❏ To select a credit card, highlight the button next to the type of credit card you want to use and press -♦-.

Internet Name

Your Internet name acts as your e-mail address. It can contain letters and numbers, but must start with a letter. For example, T42 is okay, 24T is not. It must contain at least three characters, and no more than 15. It *cannot* contain spaces or punctuation marks.

Completing the Sign-Up Process

When you complete the last sign-up page, WebTV displays a page that contains all the information you have entered.

To correct a mistake on a previous sign-up page:

1 Highlight the text box that contains the information you wish to change and press -♦-. The page on which you originally entered the information appears.

2 See "Erase or change a character" on page 12 for details on how to make a correction.

3 Highlight CONTINUE and press -♦- to return to the sign-up information page. You may need to repeat this step more than once to reach the sign-up information page.

To complete the sign-up process:

Highlight CORRECT on the sign-up information page and press -♦-. The WebTV Home Page will soon appear.

To disconnect from WebTV and turn off your TV:

Press WEB and then press TV on the remote control.

Exploring the Internet on WebTV

This chapter explains how to access various pages on the Internet from the WebTV Home Page.

Connecting to the Internet

In order to access the Internet, you must first connect to your Home Page.

To connect to the Home Page:

1 Press TV to turn on your television.

2 Press WEB to display the WebTV screen.

The Home Page displays icons that link to different categories within the WebTV Network.

Do not be alarmed if the Home Page on your screen is different than the Home Page you see here. The Internet is constantly changing, the Home Page will also occasionally change. When you see new icons, explore!
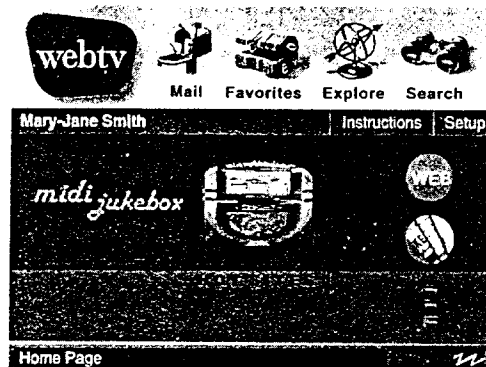
To go to a Home Page area:

1 Highlight an icon on the Home Page using the arrow buttons on the remote.

2 Press ·♦· on the remote.

The Home Page Icons

The Titlebar

Any time you leave the Home Page, WebTV displays the titlebar across the bottom of your screen.

| Welcome to Sony Electronics Inc. - Home Page |

Page Title   Indicator   WebTV
                               Arrows   Connection
                                     Indicator

PAGE TITLE

Displays the title of the page currently displayed on your screen.

INDICATOR ARROWS

The indicator arrows are green when the currently displayed page is longer than your screen. Green arrows indicate the direction or directions in which more of the page can be viewed. Press the SCROLL button on the remote to view more of the page.
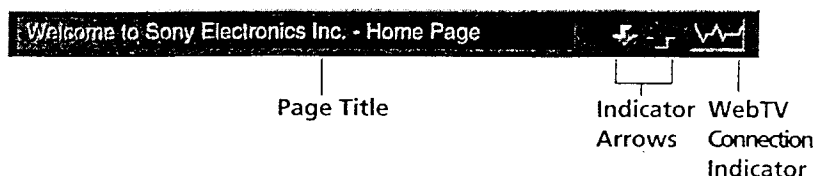
WEBTV CONNECTION INDICATOR

The connection indicator is green whenever you are connected to the WebTV Network. When the indicator is moving, it tells you that WebTV is searching the Internet for something you have requested.

The indicator becomes a straight red line when:

❑ You receive a telephone call (if you have Call Waiting).

❑ You use the HANGUP option, see ADVANCED OPTIONS on page 26.

❑ Your Internet Terminal automatically disconnects.

Note
To help keep your phone line free, your Internet Terminal automatically disconnects from WebTV Network if you do not use the remote for several minutes. This keeps your phone line free so you don't have to wonder if you are disconnected from the WebTV Network. To reconnect, simply press the -♦- button on the remote.

EXPLORE

EXPLORE is designed to make your exploration of the Internet easy and fun. When you enter the EXPLORE area, you'll find links to some of the most exciting and useful pages on the Internet. WebTV continuously updates EXPLORE.

To go to a page from the EXPLORE page:

Highlight any icon on the EXPLORE page and press -♦- on the remote. The icons either lead to more selections, or directly to a page.

Chapter 5: Exploring the Internet on WebTV   **17**

SEARCH

SEARCH links you to the SEARCH page, which enables you to search the Internet for information on both general and specific topics.

To search for specific information:

1 Highlight SEARCH on the Home Page and press -◆-.

2 Using the on-screen keyboard, type a topic in the WHAT ARE YOU LOOKING FOR? text box. You can enter one word, many words, or even a question.

3 Highlight the SEARCH command and press -◆-. A list appears on your screen.

4 Highlight an item on the list using the arrow buttons on the remote and press -◆-. WebTV links you to the page you selected.

Note
Press BACK or RECENT on the remote to return to the list if the page does not contain what you are looking for.

MAIL (e-mail)

The MAIL icon links you to your MAILBOX, which lists the e-mail messages you have received. To read a message, simply highlight a message on the list and press -◆-. The MAILBOX page also displays the following icons:

❑ WRITE

❑ STORAGE

❑ SETUP

❑ NAMES

❑ DISCARD

Note
When you have unread messages in your MAILBOX, the red MESSAGE light on the front of your Internet Terminal is illuminated. If you receive a message while you are connected to the WebTV Network, the red MESSAGE light will flash and you will hear a sound.

E-Mail Icons - continued

WRITE

Highlight WRITE to open the WRITE A NEW MESSAGE page, where you can address, create, and send e-mail messages. The WRITE A NEW MESSAGE page also links you to NAMES which stores Internet addresses for you and allows you to automatically address e-mail messages.

Note
You can send the same e-mail message to more than one address at a time by entering more than one address in the TO: text box. Use a comma and a space to separate each address.

STORAGE

The STORAGE icon links you to the STORED MAIL page, where you can view messages you have saved.

SETUP

The SETUP icon allows you to:

❑ Choose whether your MAILBOX list displays oldest or newest messages at the top.

❑ Type a signature that is automatically added to the end of each e-mail message you send.

❑ Include a carbon copy (cc): text box on your WRITE A NEW MESSAGE page that allows you to send a copy of your message to an additional address. You can put any number of addresses in the cc: text box.

NAMES

The NAMES icon links to your NAMES page, which allows you to store and edit addresses. You can automatically address messages from your list of names.

DISCARD

The DISCARD icon allows you to discard messages from your MAILBOX.

E-Mail Icons - continued

To	Do This
Open and read an e-mail message	Highlight an e-mail message on the MAILBOX page and press -◆-. The contents of the message appear on your screen.
Return to the MAILBOX page	Highlight MAILBOX and press -◆-.
Save or store a message	Open a message from your MAILBOX page. Highlight SAVE and press -◆-.
Read saved messages	Highlight STORAGE on the MAILBOX page and press -◆-. A list of saved messages appears. Highlight a message and press -◆-. The contents of the saved message appears.
Reply to an e-mail message	With a message open on your screen, highlight REPLY and press -◆-. The REPLY TO A MESSAGE page appears with the address and subject entered in the appropriate boxes for you. Type your reply. Highlight SEND and press -◆-. A message appears indicating that your e-mail is being sent.
Forward an e-mail message	With a message open on your screen, highlight RESEND and press -◆-. The RESEND A MESSAGE page appears with the SUBJECT: text entered for you. Type one or more e-mail addresses in the TO: text box. If you type more than one address, use a comma and a space to separate each address. Type a message to add to the forwarded message in the text box on the bottom of the page (optional). Highlight SEND and press -◆-. A message appears indicating that your e-mail is being sent.
Send an e-mail message	Highlight WRITE and press -◆-. The WRITE A NEW MESSAGE page appears. Type one or more e-mail addresses in the TO: text box. If you type more than one address, use a comma and a space to separate each address. Use the arrow keys on the remote to move the vertical line to the SUBJECT: text box. Type a subject (optional). Use the arrow keys on the remote to move to the next text box. Type your message. Highlight SEND and press -◆-. A message appears indicating that your e-mail is being sent.
Discard a message	Highlight DISCARD and press -◆-. A list of e-mail messages appears. Highlight a message and press -◆-. Repeat to discard more than one message at a time. Highlight DISCARD and press -◆-. WebTV discards the highlighted messages from the list.
Add a name to your NAMES page	Highlight NAMES on the MAILBOX page and press -◆-. The NAMES page appears. Highlight NEW and press -◆-. Type the appropriate information in the text boxes, then highlight ADD and press -◆-.

E-Mail Icons - continued

To	Do This
Use your list of NAMES	Highlight NAMES on the WRITE A NEW MESSAGE page and press -♦-. The NAMES panel appears.
	Highlight the name of the person to whom you want to send a message and press -♦-. Repeat to send the same message to more than one person at a time.
	Highlight CONTINUE and press -♦-. The highlighted name or names appear in the TO: text box.
DISCARD a name on the NAMES page	Highlight NAMES on the MAILBOX page and press -♦-. The NAMES page appears.
	Highlight the name you wish to discard and press -♦-.
	Highlight DISCARD and press -♦-. WebTV discards the name or names from your list.

FAVORITES

The FAVORITES page contains a list of your favorite pages.

To	Do This
Save a page to your FAVORITES list	Go to a page you wish to visit frequently and press OPTIONS on the remote. The OPTIONS panel appears at the bottom of the screen.
	Highlight SAVE on the OPTIONS panel and press -♦-. A panel that displays the SAVE PAGE command appears.
	Highlight the SAVE PAGE command and press -♦-. The page is saved in your personal FAVORITES list.
Open a FAVORITES page from your list	Highlight FAVORITES on the Home Page and press -♦-. Your FAVORITES list appears on the screen.
	Highlight a title or an icon on the list and press -♦-. The page is displayed.
Delete a page from your FAVORITES list	Open your FAVORITES list and highlight EDIT, then press -♦-.
	In the EDIT FAVORITES screen, highlight the REMOVE box next to the page you wish to delete and press -♦-.
	Highlight DONE and press -♦-.

SETUP

Setup

Enter the SETUP area to display a list of options that allow you to:

❑ Create separate accounts with private MAILBOXES and FAVORITES lists for each member of your household.

Notes

You must create and use a password to access a separate account. Passwords can contain all numbers, or a combination of letters and numbers, and must contain a minimum of four characters. Do not use spaces or punctuation marks.

For security reasons, your password will be displayed as a row of dots on the screen. WebTV will ask you to type your password twice to ensure accuracy.

❑ Restrict access to pages on the Internet that contain mature material. (Different users can have different access settings.)

❑ Choose whether your on-screen keyboard displays the letter keys in alphabetical or standard typewriter order (QWERTY).

❑ Make the text that appears on your screen smaller or larger.

❑ Update your sign-up information.

❑ Change your Internet name or password (except primary user).

❑ Turn off WebTV music.

❑ Configure Call Waiting.

❑ Display/hide ADVANCED OPTIONS (HANGUP and RELOAD) on the OPTIONS panel. See The OPTIONS Panel on page 24.

To	Do This
Create separate accounts and set access restrictions	Highlight WEBTV USERS and press -♦-.
	Highlight ADD A USER and press -♦-.
	Enter an Internet Name, then highlight CONTINUE and press -♦-.
	Enter a Password and select CONTINUE. Two options appear: RESTRICT WEBTV ACCESS (Allow access only to pages approved for all audiences.) PREVENT ELECTRONIC MAIL SENDING AND RECEIVING.
	Highlight the check box next to an option and press -♦-. A red check mark means the option is turned on. Press -♦- again to remove the check mark.
	Highlight CONTINUE and then highlight DONE to return to the SETUP page.
Customize your keyboard	Highlight KEYBOARD and press -♦-.
	Highlight ALPHABETICAL or QWERTY and press -♦-.
	Highlight DONE and press -♦-.
Customize your WebTV screen	Highlight TEXT SIZE and press -♦-.
	Choose a text size press -♦-.
	Highlight DONE and press -♦- to return to the SETUP page.

To	Do This
Change sign-up information	Highlight WEBTV USERS and press -♦-.
	Choose the user and press -♦-.
	Enter new information in the appropriate text boxes.
	Highlight DONE and press -♦- to return to the SETUP page.
	Note *This can only be done from the primary account.*
Hide/display ADVANCED OPTIONS	Highlight ADVANCED OPTIONS and press -♦-. The ADVANCED OPTIONS appear on your OPTIONS Panel if you choose this setting. See The OPTIONS panel on page 24.
	The ADVANCED OPTIONS allow you to: RELOAD: Update the version of the page you are currently visiting. HANGUP: Temporarily disconnect from the WebTV Network to make a phone call. To reconnect, press -♦-. WebTV reconnects you to the same page you were visiting when you disconnected.
Turn off WebTV music	Highlight MUSIC and press -♦-.
	Highlight the appropriate check box and press -♦-. A red check mark in the box means you will hear the music. Press -♦- again to remove the check mark.
	Highlight DONE and press -♦- to return to the SETUP area.
Select dialing options	Highlight DIALING and press -♦-.
	A list of options appears: CALL WAITING: Choose whether your Internet Terminal disconnects from the WebTV Network when a call comes in; enter a prefix for dialing out. BASIC: Enter a prefix for dialing out; choose tone dialing. ADVANCED: Set a dialing speed. ACCESS: Enter an access number for WebTV. RESET: Reverts to factory settings.
	Highlight the box next to a desired option and press -♦-. A red check mark means the dialing option is turned on. Press -♦- again to remove the check mark.
	Highlight DONE and press -♦- to return to the SETUP page.
Customize your MAIL area	See SETUP on page 19 (in the MAIL section) for details.

If you use an answering service or voice message service, you must listen to all your messages before you can connect to the WebTV Network.

INSTRUCTIONS

Instructions

The INSTRUCTIONS area contains help for using the remote control and various WebTV features, such as the Home Page areas.

To read the instructions:

1 Open the INSTRUCTIONS area.

2 Press SCROLL on the remote to display different topics.

The OPTIONS Panel

The OPTIONS panel offers several features that enable you to expertly navigate your way around WebTV and to perform other functions easily and efficiently.

To use the OPTIONS panel:

1 Press OPTIONS on the remote. The OPTIONS panel slides onto the bottom of your screen.

2 Highlight an option and press -◆-.

Each option brings up a different panel. The following sections describe the various options, and how to use each option's features.

WEBTV

Returns you to the WebTV Home Page.

FIND

The FIND option helps you find a specific word or phrase on the current page; it also lets you jump to the top or bottom of a page.

To	Do This
Find a specific word or phrase on a page	Type a word or phrase in the textbox on the FIND panel.
	Highlight FIND and press -◆-. WebTV highlights the requested text on the page.
Find a new word or phrase	Highlight CLEAR and press ·◆·.
	Type a new word or phrase in the text box, then highlight FIND and press ·◆·.
Jump to the top or the bottom of a page	Highlight SCROLL TO TOP or SCROLL TO BOTTOM and press ·◆·.

INFO

The INFO panel displays the title and address of the page currently on the screen, as well as the most recent time the page was updated.

To display the INFO panel:

Highlight INFO on the OPTIONS panel and press ·◆·.

GO TO

go to

The GO TO option allows you to go directly to a page by typing in an Internet address.

To go directly to a page:

1 Highlight GO TO on the panel and press -♦-.

2 Type the Internet address in the text box.

3 Highlight the GO TO PAGE command and press -♦-. The page appears on your screen.

To display addresses:

❑ Highlight SHOW CURRENT and press -♦- to display the address of the currently displayed page.

❑ Highlight SHOW LAST and press -♦- to display the most recent address you entered on the GO TO panel.

SAVE

save

The SAVE option allows you to save the currently displayed page on your FAVORITES list.

To save a currently displayed page:

1 Highlight SAVE and press -♦-.

2 Highlight SAVE PAGE and press -♦-.

SEND

send

The SEND option allows you to send an e-mail message that contains a link to the currently displayed page.

To send a page by e-mail:

1 Open the page you want to send, then press OPTIONS on the remote.

2 Highlight the SEND option and press -♦-.

3 In the text box labled TO:, type the e-mail address of the person to whom you want to send the page. If you want to type a message highlight the EDIT MESSAGE button and press -♦-.

4 Highlight the SEND PAGE command and press -♦-. The page link will appear when the recipient opens the e-mail message.

Chapter 5: Exploring the Internet on WebTV **25**

Index

Other Information

Location and Function of Controls

Front Panel

Indicator	Description
POWER Indicator	Indicates whether the Internet Terminal is on or off.
CONNECTED Indicator	Flashes while the Internet Terminal is connecting to WebTV and when receiving new information. Remains lit while in use.
MESSAGE Indicator	Lights up to indicate you have an unread message.
SMART CARD Slot	Allows you to use a Smart Card when the technology becomes available. Smart Cards, which are being developed by the financial industry, are credit cards with an added computer chip that stores personal information. Smart Cards will make transactions conducted on the Internet, such as buying products, paying bills, and banking, safer and more convenient. Additional accessories may be required.

Back Panel

WEBTV Port
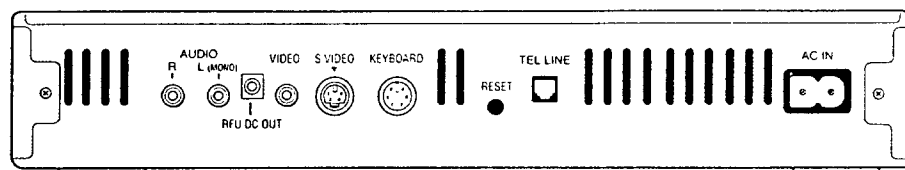
Connector/Button	Description	Cable Type
AUDIO (R)/(L) OUT	Connects your Internet Terminal to the right and left audio inputs of your TV.	Audio (2) (RCA-type)
RFU DC OUT	Connects to your RFU adaptor.	N/A
VIDEO OUT	Connects your Internet Terminal to your TV or VCR's video input.	Video (RCA-type)
S-VIDEO	Allows you to connect your Internet Terminal directly to your TV (if your TV has an S-VIDEO INPUT).	S-VIDEO (4-pin mini DIN)
KEYBOARD	Connects your Internet Terminal to a PC keyboard. Additional accessories may be required. If you use Sejin's IR keyboard (Model SWK-8630), do not connect its cable to the Internet Terminal.	PS/2 (6-pin Connector)
RESET Button	Resets your Internet Terminal System by turning it off. Press the WEB power button to turn your Internet Terminal on.	N/A
TEL LINE	Connects your Internet Terminal to a telephone jack.	Telephone (RJ-11)
AC IN	Connects your Internet Terminal to a 120V AC outlet.	AC
WEBTV Port	Contains an expansion connector that can be used for optional accessories that will be introduced in the future. The door to the side-panel expansion connector must be closed for WebTV to operate. Additional accessories may be required.	N/A

28 Appendix: Other Information

The Remote Control
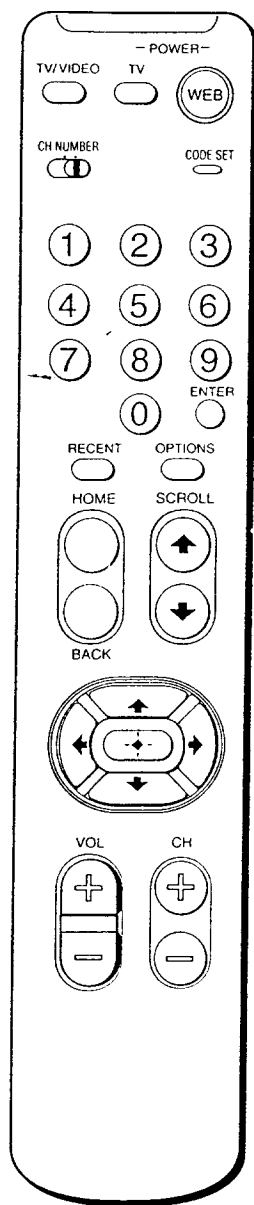
Press This Button	To Do This
TV/VIDEO ⬭	Display different video input settings such as *S-VIDEO IN* or *VIDEO IN*.
– POWER – TV ⬭ (WEB)	TV: Turn the TV on/off.
	WEB: Turn on the Internet Terminal and connects to the WebTV Network; turn off the Internet Terminal and disconnects from the WebTV Network.
CH/NUMBER ⬭	Changes the function of the number buttons between two settings.
	CHANNEL: Enables you to select channel numbers when you are watching regular broadcast TV.
	NUMBER: Enables you to type numbers in a text box using the number buttons (0 – 9) when you are connected to WebTV.
CODE SET ⬭	Used for programming the remote to operate your TV as well as the Internet Terminal.
⓪ TO ⑨	Type numbers in a text box on WebTV; select a channel on regular TV.
ENTER ◯	Switch to the selected channel on regular TV.
RECENT ⬭	Slide a panel onto your screen that displays miniature versions of the most recent pages you've visited on WebTV. (The panel displays up to nine mini-pages.)
OPTIONS ⬭	Display the OPTIONS panel.
HOME ◯	HOME: Bring the Home Page on the screen.
BACK ◯	BACK: Go back one page; Hide the on-screen keyboard.
SCROLL ⬆⬇	Move the page up or down when the page is too long to be displayed on one screen.
◀ ● ▶	Move the highlight to a different link or on-screen keyboard key.
⊂ ● ⊃	Activate the highlighted link or command; Display the on-screen keyboard when a text box is highlighted; Display a moveable arrow when the currently displayed page contains an image map.
VOL +/–	Raise or lower the TV volume.
CH +/–	Move the channel up or down on the TV.

Programming the Remote

The Internet Terminal's remote control is preset at the factory to operate Sony brand TVs.

If you have a TV other than Sony brand that you want to control with the Internet Terminal's remote, use the following procedures to program the remote to control your TV.

Note
Your components must have infrared (IR) remote control receiving capability in order to be used with the Internet Terminal's remote.

To program the Internet Terminal's remote.

1 Find the three-digit code number for your TV from the "Programmable Codes" below. If more than one code number is listed, use the number listed first to complete the following procedures.

2 Press the CODE SET button.

3 Enter the three-digit code number.

You must perform step 4 within 10 seconds of step 3, or you must start again from step 2.

4 Press the ENTER button.

To Check if the Code Number Works:

Use the following procedure to make sure the code you've entered works.

Aim the Internet Terminal's remote at the TV and press the POWER button that corresponds to that component.

If the component responds, try the CH+ and CH- buttons. If the component responds, you're done. If the code doesn't work:

❑ Try programming the remote using the other codes listed for your component.

❑ If you cannot get your component to respond to the Internet Terminal's remote – even after trying all the code numbers for your TV – call 1-888-772-7669.

Programmable Codes

TV Codes

Brand	Code No.
Sony	101
Admiral	102, 114, 109
Akai	103
Bell & Howell (Montgomery Wards)	114, 109, 138
Brocsonic	103, 112
Centurion	112
Coronad	113
Craig	122, 123, 120, 121
Croslex	111
Curtis Mathis	103, 119, 123
Daewoo	135, 136, 103
Daytron	113
Emerson	122, 113, 120, 121, 123, 103, 115
Fisher	125
General Electric	102, 118, 103, 107

Brand	Code No.
Goldstar	103, 113, 112, 130
Hitachi	131, 113, 103, 132
JC Penney	103, 102, 130, 107
JVC	128, 129
KTV	133, 113, 103, 123, 134
LXI (Sears)	102, 103, 111, 125, 119, 112
Magnavox	111, 112, 113, 103
Marantz	124
Mitsubishi	124, 103, 112
NEC	103, 112
Panasonic	118, 116, 117, 107
Philco	111, 113, 103
Philips	111
Pioneer	137, 118, 119
Portland	103, 108
Quasar	118, 107

Brand	Code No.
Radio Shack	102, 112, 124, 123, 115
RCA/PROSCAN	102, 103, 104, 105, 106, 107, 108
Samsung	103, 126, 112, 113, 127
Sanyo	125
Scott	123, 112
Sharp	114, 113, 115
Signature 2000 (Montgomery Wards)	114, 109
Sylvania	111, 112, 103
Symphonic	123, 139
Toshiba	119, 114
Videch	131, 103, 112
Wards	113, 103, 115, 112
Zenith	109, 110

30 Appendix: Other Information

Limited Warranty

SONY ELECTRONICS INC. ("SONY") warrants this Product (including any accessories) against defects in material or workmanship as follows:

    1. LABOR: For a period of 90 days from the original date of purchase, if the Product is determined to be defective, SONY will repair or replace the Product at no charge, or pay the labor charges to any SONY authorized service facility. After this 90 day period, you must pay for all labor charges.

    2. PARTS: For a period of one (1) year from the original date of purchase, SONY will supply, at no charge, new or rebuilt replacements in exchange for defective parts. Any replacements will be warranted for the remainder of the original warranty period or (90) days from installation by SONY's authorized service facility, whichever is longer.

    3. ACCESSORIES: Parts and labor for all accessories are for one (1) year.

To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to a SONY authorized service facility. Please see below for the number to call to locate the closest facility.

This warranty does not cover customer instruction, installation, set up adjustments or signal reception problems.

This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product. This warranty does not cover improper installation (if self installed), loss of use of the product, or wasted programming charges due to product malfunction. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by SONY to service the Product. This warranty does not cover Products sold AS IS or WITH ALL FAULTS. This warranty is valid only in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from the Product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. IN NO EVENT SHALL SONY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the SONY Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

For your convenience, SONY ELECTRONICS INC. has established telephone numbers for frequently asked questions:

To locate the servicer or dealer nearest you,

For service assistance or resolution of a service problem, or

For Product information or operation call:

<div align="center">

SONY CUSTOMER INFORMATION SERVICE CENTER

1-888-772-7669

</div>

For an accessory or part not available from your authorized dealer, call:

<div align="center">

1-800-282-2848

</div>

WebTV Networks Inc. Customer Information Center:

<div align="center">

1-800-GO-WEBTV

</div>

FCC Regulations and Information

FCC Registration Information

Your Internet Terminal has been registered by the Federal Communication Commission (FCC) as not being harmful to the telephone network when connected directly to the telephone lines. In order to fully comply with the Rules of the FCC, the following instructions should be read carefully and followed completely where applicable:

1. FCC has established Rules which permit this device to be directly connected to the telephone network. Standardized jacks are used for these connections. This equipment should not be used on party lines or coin phones.

2. If this device is malfunctioning, it may also be causing harm to the telephone network; this device should be disconnected until the source of the problem can be determined and until the repair has been made. If this is not done, the telephone company may temporarily disconnect service.

3. The telephone company may make changes in its technical operations and procedures; if such changes affect the compatibility or use of this device, the telephone company is required to give adequate notice of the changes. You will be advised of your right to file a complaint with the FCC.

4. If the telephone company requests information on what equipment is connected to their lines, inform them of:

   a. The telephone number to which this unit is connected.
   b. The ringer equivalence number.
   c. The USOC jack required.
   d. The FCC Registration Number.

5. Items (b) and (d) are indicated on the label. The Ringer Equivalence Number (REN) is used to determine how many devices can be connected to your telephone line. In most areas, the sum of the REN's of all devices on any one line should not exceed five (5). If too many devices are attached, they may not ring properly.

Service Requirements

In the event of equipment malfunction, all repairs should be performed by our Company or an authorized agent. It is the responsibility of users requiring service to report the need for service to our company or to one of our authorized agents. For service, call 1-800-282-2848.

Radio Interference Information

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 interference to radio or television reception (which you can determine by turning the equipment off and on), you are encouraged to try to correct the interference by one or more of the following measures:

❑ Change the position of the Internet Terminal with respect to the radio or television equipment that is receiving the interference.

❑ Move the Internet Terminal away from the equipment that is receiving the interference.

❑ Plug the Internet Terminal into a different outlet so that the Internet Terminal and the equipment receiving the interference are on different branch circuits.

Shielded cables and I/O cords must be used for this equipment to comply with the relevant FCC regulations. Changes or modifications not expressly approved in writing by Sony Electronics, Inc., void the user's authority to operate this equipment.

If these measures do not eliminate the interference, you should consult your Internet Terminal dealer or an experienced radio/television technician for additional suggestions. In addition, you may find the following booklet prepared by the FCC helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402 Stock No. 004-000-00345-4.

Specifications

Terminals:	Video Output (1) Audio R/L (Mono) S-Video Output (1) Tel Line RFU DC Out Keyboard (PS/2 style keyboard connector) WEBTV Port (96 pin)
Dimmensions: (w/h/d)	280 mm x 49.3 mm x 214.7 mm (11 1/8" x 2" x 8 1/4")
Weight:	1.3 kg (2 lbs 14 oz)

Power Requirements:	AC 120V
Power Consumption:	15 W max 6 W stand by
Supplied Accessories:	Remote Control RM-Y142 (1) Size AA Batteries (2) AC Power Cord (1) 1.9 m AV (Audio/Video) Cable (1) 1.5 m Telephone Cable (1) 7.5 m S-VIDEO Cable 1.5 m (1) T Splitter
Optional Accessories:	RFU Adaptor RFU-W100 Wireless Keyboard RM-KW100

Troubleshooting

Symptom	Possible Cause and Remedies
TV button doesn't turn on TV.	Remote has not been properly programmed. See Programming the Remote on page 30. Batteries could be weak. Check the batteries and replace them, if necessary. Ensure that the side door of the WebTV port is closed securely.
No picture, no sound.	Make sure the power cord is connected. Check that the correct TV/Video setting is selected.
When typing on a keyboard, letters appear twice instead of once.	The keyboard is transmitting by IR and through the cable. Disconnect the keyboard cable.

Index

Important Safeguards

On Safety

For your protection, please read these instructions completely, detach and keep this section for future reference. Carefully observe and comply with all warnings, cautions and instructions placed on the Internet Terminal, or as described in this operating instructions, service manual.

WARNING

To guard against injury, the following basic safety precautions should be observed in the installation, use, and servicing of the Internet Terminal.

On Power Sources

Use

❑ This Internet Terminal should be operated only from the type of power source indicated on the serial/model plate. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those Internet Terminals designed to operate from battery power, refer to the operating instructions.

Grounding or Polarization

❑ This Internet Terminal is equipped with a polarized AC power cord plug (a plug having one blade wider than the other), or with the three-wire grounding type plug (a plug having a third pin for grounding). Follow the instructions below:

For the Internet Terminal with a polarized AC power cord plug

❑ This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the polarized plug by forcing it into the outlet.

Alternate warning

For the Internet Terminal with a three wire grounding type AC plug

❑ This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a sutiable outlet installed. Do not defeat the safety purpose of the grounding plug.

Overloading

❑ Do not overload wall outlets, extension cords, or convenience receptacles beyond their capacity, since this can result in fire or electrical shock. Always turn the Internet Terminal off when it is not to be used. When the Internet Terminal is left unattended and unused for long periods of time, unplug it from the wall outlet as a precaution against the possibility of an internal malfuntion that could create a fire hazard.

Object and Liquid Entry

❑ Never push objects of any kind into the Internet Terminal through the cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the Internet Terminal.

Attachments

❑ Do not use attachments not recommended by the manufacturer, as they may cause hazards.

On Cleaning

❑ Unplug the Internet Terminal from the wall outlet before cleaning or polishing it. Do not use liquid cleaners or aerosol cleaners. Use a cloth lightly dampened with water for cleaning the exterior of the Internet Terminal.

❑ If a snapping or popping sound from an Internet Terminal is continuous or frequent while the terminal is operating, unplug the Internet Terminal and consult your dealer or service technician. It is normal for some Internet Terminals to make occasional snapping or popping sounds, particulary when being turned on or off.

On Installation

Water and Moisture

❑ Do not use power-line operated sets near water – for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool, etc.

Accessories

❑ Do not place the Internet Terminal on an unstable cart, stand, table or shelf. The Internet Terminal may fall, causing serious injury to a child or an adult, and serious damage to the Internet Terminal. Use only a cart or stand recommended by the manufacturer for the specific model of the Internet Terminal. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Ventilation

❑ The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of the Internet Terminal and to protect it from overheating, these slots and openings must never be blocked or covered.

❑ Never cover the slots and openings with a cloth or other materials.

❑ Never place the Internet Terminal in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.

❑ Do not place the Internet Terminal near or over a radiator or heat register or where it is exposed to direct sunlight.
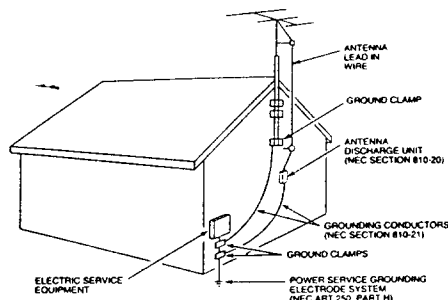
Power-Cord Protection

❑ Do not allow anything to rest on or roll over the power cord, and do not place the Internet Terminal where the power cord is subject to wear and abuse.

On Antennas

Outdoor Antenna Grounding

❑ If an outdoor antenna is installed, follow the precautions below.

ANTENNA
LEAD IN
WIRE

GROUND CLAMP

ANTENNA
DISCHARGE UNIT
(NEC SECTION 810-20)

GROUNDING CONDUCTORS
(NEC SECTION 810-21)

GROUND CLAMPS

ELECTRIC SERVICE
EQUIPMENT

POWER SERVICE GROUNDING
ELECTRODE SYSTEM
(NEC ART 250, PART H)

NEC - NATIONAL ELECTRICAL CODE

❑ An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.

WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so as to provided some protection against voltage surges and built-up static charges. Section 810 of the National Electric Code (NEC) in USA and Section 54 of the Canandian Electrical Code in Canada provided information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna Grounding According to the NEC

Refer to section 54-300 of Canadian Electrical Code for Antenna Grounding.

Lightning

For added protection for this Internet Terminal during a lighting storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to Internet Terminal due to a lightning and powerline surges.

On Service

Damage Requiring Service

Unplug the Internet Terminal from the wall outlet and refer servicing to qualified service personnel under the following conditions:

❑ When the power cord or plug is damaged or frayed.

❑ If liquid has been spilled into the Internet Terminal.

❑ If the Internet Terminal has been exposed to rain or water.

❑ If the Internet Terminal has been subject to excessive shock by being dropped, or the cabinet has been damaged.

❑ If the Internet Terminal does not operate normally when following the operating instructions. Adjust only those controls that are specified in the operating instructions. Improper adjustments of other controls may result in damage and will often require extensive work by a qualified technician to restore the Internet Terminal to normal operation.

❑ When the Internet Terminal exhibits a distinct change in performance - this indicates a need for service.

Servicing

Replacement Parts

❑ When the replacement parts are required, be sure the service technician certifies in writing that he has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitions may result in fire, electric shock, or other hazards.

Safety Check

❑ Upon completion of any service or repairs to the Internet Terminal, ask the service techinician to perform routine safety checks (as specified by the manufacturer) to determine that the Internet Terminal is in safe operating condition, and to so certify.

❑ When the Internet Terminal reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service techinician to dispose of the Internet Terminal.

Sony Corporation Printed in U.S.A.