# SONY

# *Trinitron*® *Color TV*

## Operating Instructions

- Before operating the unit, please read this manual thoroughly and retain it for future reference.

*KV-EX34*
*KV-EX29*

M87

# WARNING

- Dangerously high voltages are present inside the TV.

- TV operating voltage: 110 – 240 V AC.
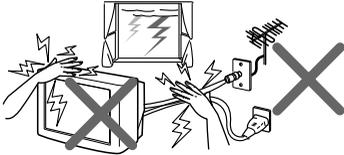
For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.

For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.
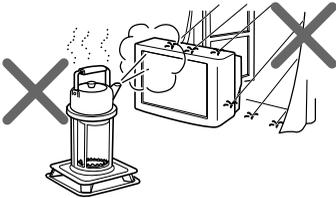
To prevent fire or shock hazard, do not expose the TV to rain or moisture.
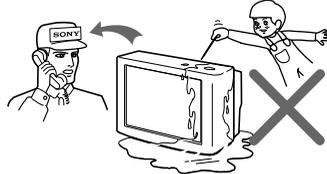
Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.
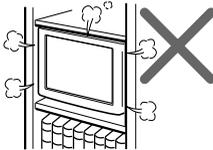
Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.
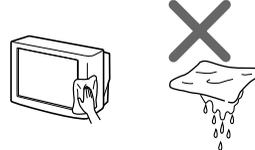
Clean the TV with a dry and soft cloth. Do not use benzine, thinner, or any other chemicals to clean the TV. Do not scratch the picture tube.
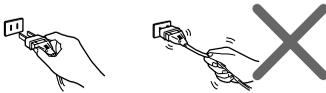
Pull the power cord out by the plug. Do not pull the power cord itself. Disconnect the TV before moving it or if you are not going to use it for several days.
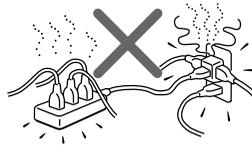
Do not plug in too many appliances to the same power socket. Do not damage the power cord.
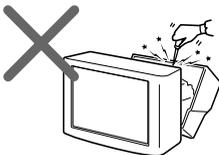
Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.
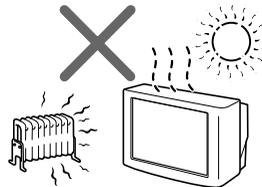
Your TV is recommended for home use only. Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.

# Table of Contents

## WARNING (continued)



Do not install the TV in an unstable position. Use a proper TV stand.
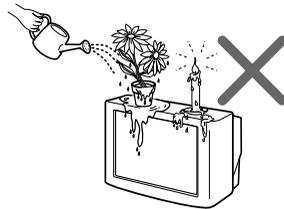
Do not place any objects on the TV.

# Getting Started

CAUTION
- Do not connect the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid that leaks from the batteries touches you, immediately wash it away with water.

## Step 1

## Connect the antenna

If you wish to connect a VCR, see the **Connecting a VCR** diagram below.

**Rear of TV**

**or**

Antenna cable (not supplied)

IEC connector (not supplied)

Antenna cable (not supplied)

◁▱ : Signal flow
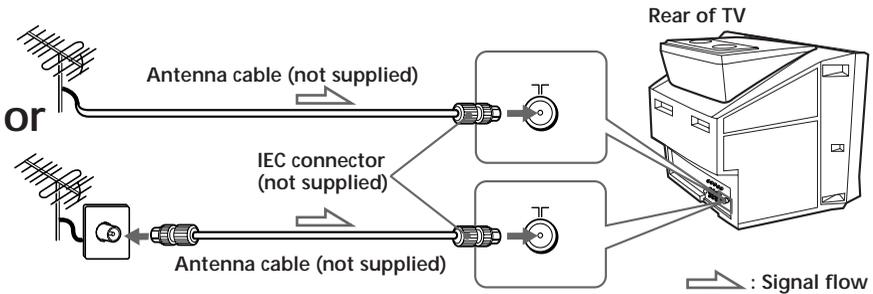
## Connecting a VCR

To watch the video input, press ⊖ (see page 12).

To 冂 (antenna)

Antenna cable (not supplied)

**Rear of TV**

To antenna output

VCR

S video cable (not supplied)

To video and audio outputs

To S video output

To ⊶ (S video input)

To ⊖ 1, 2, or 3 (video input)

Audio/Video cable (not supplied)

⊙ (yellow)
♪-L (MONO) (white)
♪-R (red)

◁▱ : Signal flow
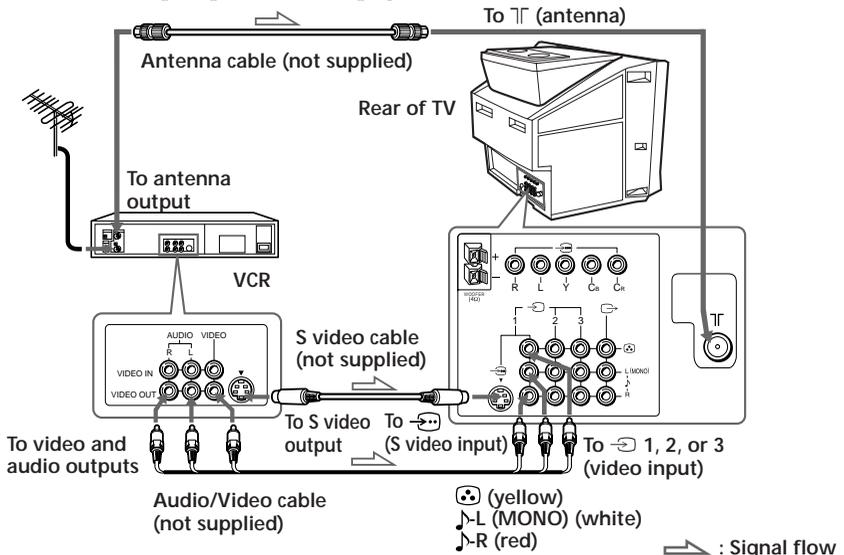
**Notes**

- If you connect a monaural VCR, connect the yellow plug to ⊙ (the yellow jack) and the black plug to ♪-L (MONO) (the white jack).
- If you connect a VCR to the ⊓ (antenna) terminal, preset the signal output from the VCR to the program number 0 on the TV.
- When both the ⊕ (S video input) and ⊕ 1 (video input) are connected, the ⊕ (S video input) is automatically selected. To view the video input to ⊕ 1 (video input), disconnect the S video cable.
- When no signal is input from the connected video equipment, the TV screen becomes blue.

## Step 2

### Insert the batteries into the remote
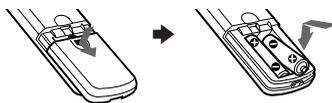


**Note**

- Do not use old batteries or different types of batteries together.

## Step 3

### Preset the channels automatically

**Front panel**
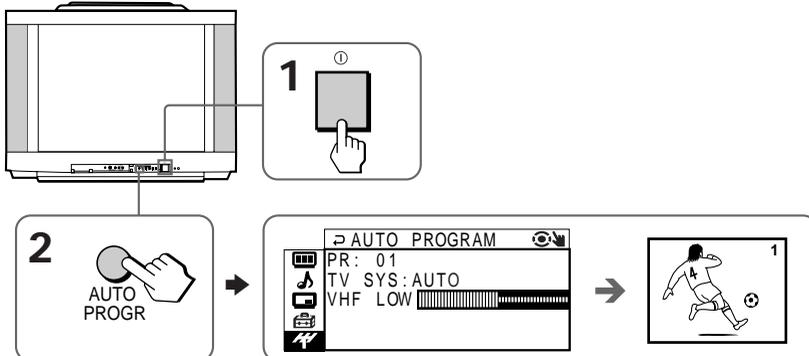


**Tips**

- To stop the automatic channel presetting, press MENU.
- If your TV has preset an unwanted channel or cannot preset a particular channel, then preset your TV manually (see page 33).

# Connecting the 3D WOOFER

You can enjoy high quality sound by connecting the 3D WOOFER.

Bottom of 3D WOOFER

Rear of TV

**1**

**2**

**3**
Red wire

+

—

Black wire

---
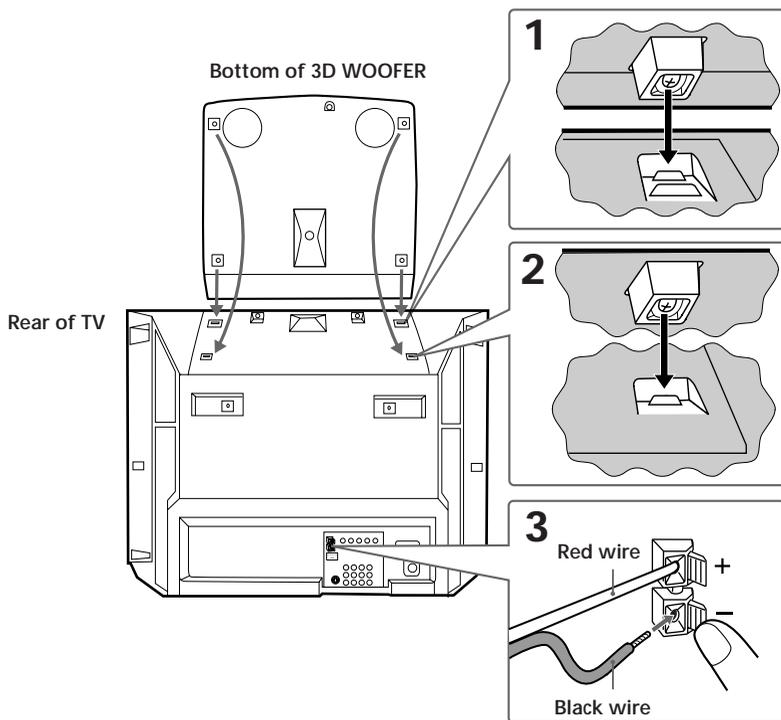
**1** Place the foot at the front of the 3D WOOFER into the footholds on the top of your TV.

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**2** Place the foot at the rear of the 3D WOOFER into the footholds at the rear of your TV.

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**3** Connect the wires to the 3D WOOFER (4Ω) terminals at the rear of your TV. The red wire should be connected to the $\oplus$ red terminal and the black wire to the $\ominus$ black terminal.

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Notes
- Connect only the supplied 3D WOOFER; otherwise your TV may malfunction.
- Unplug your TV from the wall outlet when connecting the 3D WOOFER.
- To prevent a malfunction caused by a short circuit of the terminals, make sure that none of the 3D WOOFER wire strands stick out, making contact with it's neighbouring 3D WOOFER terminal.

# Connecting optional components

You can connect optional audio/video components, such as a VCR, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 12 and 20.

## Connecting a camcorder/video game equipment using the ⊷ (video input) jacks
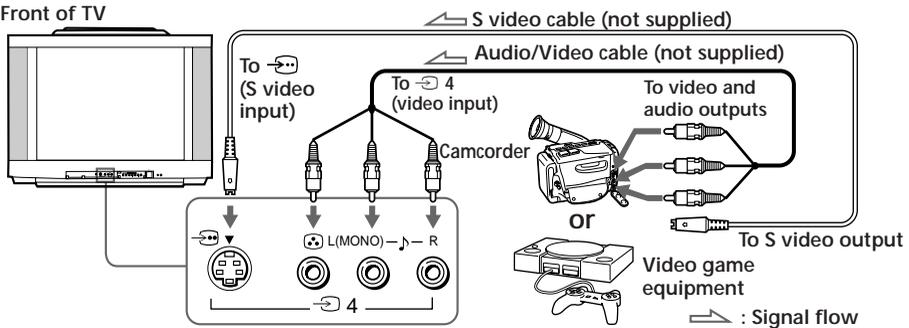


**Notes**
- When connecting video game equipment, display the "PICTURE" menu and select "ON" for "GAME MODE" to adjust the picture setting that is suitable for video games (see page 25).
- You can also connect video equipment to the ⊷ 1, 2, or 3 (video input) jacks at the rear of your TV.
- When both the ⊷ (S video input) and ⊷ 4 (video input) are connected, the ⊷ (S video input) is automatically selected. To view the video input to ⊷ 4 (video input), disconnect the S video cable.

## Connecting audio/video equipment using the ⊷ (monitor output) jacks
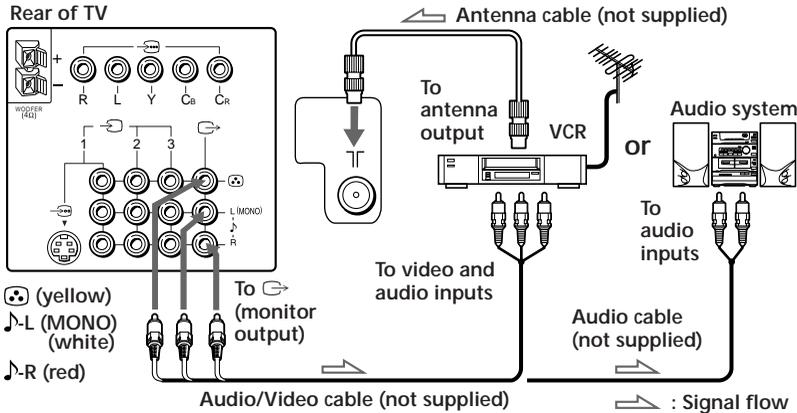


**Note**
- If you select "DVD" on your TV screen, no signal will be output at the ⊷ (monitor output) jacks (see page 12).

Using Your New TV

## Connecting a DVD player to ⊞ (component video input)

1 Using an audio cable, connect R and L under ⊞ (component video input) on your TV to the LINE OUT, AUDIO R and L output connectors on your DVD player.

2 Using a component video cable, connect Y, C_B, and C_R under ⊞ (component video input) on your TV to the COMPONENT VIDEO OUT Y, C_B, and C_R output connectors on your DVD player.

3 Press ⊅ on the remote or the TV until "DVD" appears on the screen.
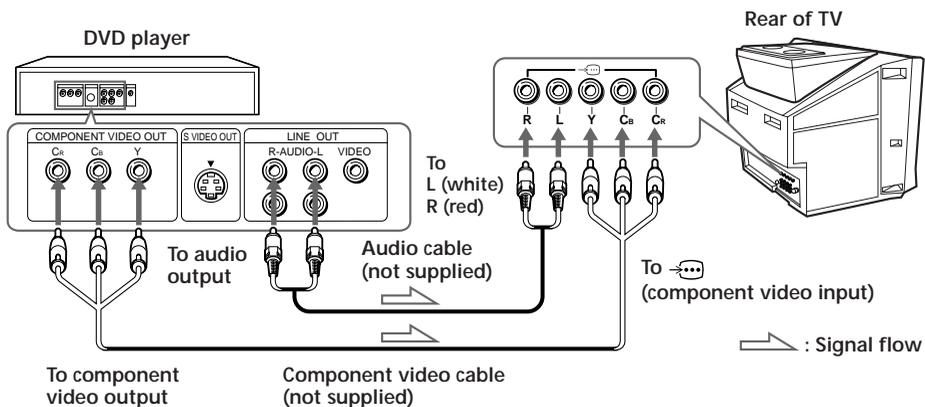


**Notes**
• Some DVD player terminals may be labeled differently:

| Connect | To (on the DVD player) |
| --- | --- |
| Y (green) | Y |
| C_B (blue) | C_b, B-Y or P_B |
| C_R (red) | C_r, R-Y or P_R |

• When connecting to ⊞ (component video input) on your TV, you must connect Y, C_B, and C_R to receive the video signals, and connect L and R to receive analog audio signals.

# Connecting a DVD player to ⊖ (video input)

Connect ⊖ 1, 2, or 3 (video input) ♪/⊙ (audio/video) connectors on your TV to LINE OUT on your DVD player.

**Rear of TV**

**DVD player**

LINE OUT
R-AUDIO-L    VIDEO

**To video and audio outputs**

**Audio/Video cable (not supplied)**

WOOFER (4Ω)    R    L    Y    C_B    C_R

1    2    3

L (MONO)
R

⊙ **(yellow)**
♪ **-L (MONO) (white)**
♪ **-R (red)**

**To ⊖ 1, 2, or 3 (video input)**

⟶ **: Signal flow**
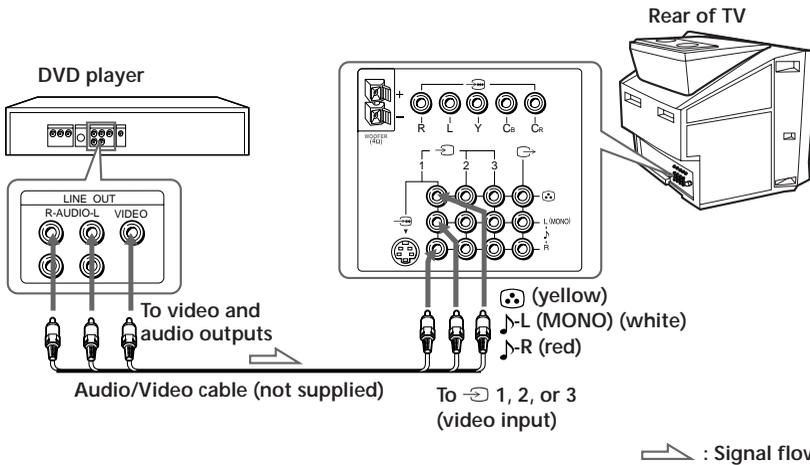
**Notes**
- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness ("SHARP") under "PERSONAL ADJUST" in the "PICTURE MODE" menu (see page 26).
- Connect your DVD player directly to your TV. Connecting the DVD player through other video equipment will cause unwanted picture noise.

# Securing the TV

To prevent the TV from falling, secure the TV using one of the following methods:

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**A** With the supplied screws, attach the stabilizer band to the TV stand and to the rear of the TV using the provided hole.

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## OR

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**B** Put the cord or chain through the clamps to secure the TV against a wall or pillar.

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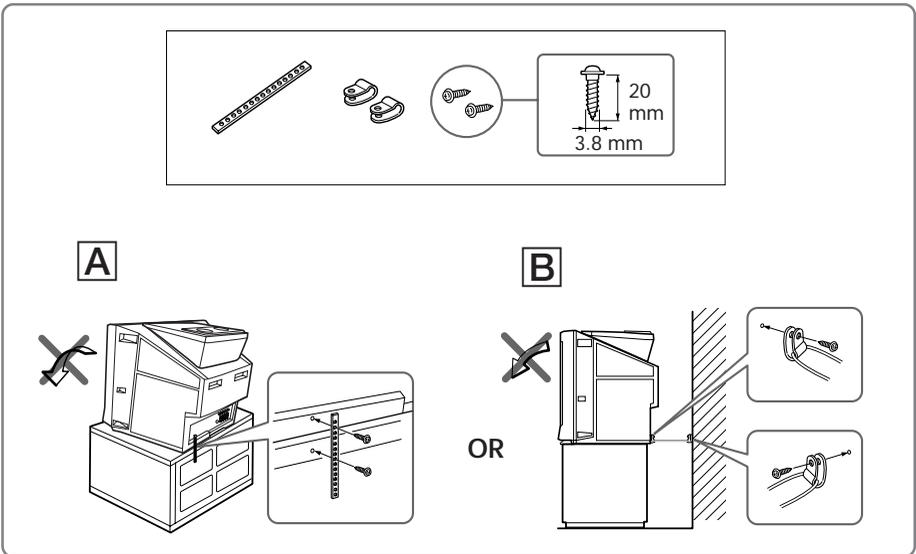


**Note**
• Use only the supplied screws. Use of other screws may damage the TV.

# Watching the TV

This section explains various functions and operations available while watching the TV. Most operations can be done using the remote.



$I/\circlearrowleft$

Number buttons

$\circlearrowleft$ indicator

PROGR +/−

---
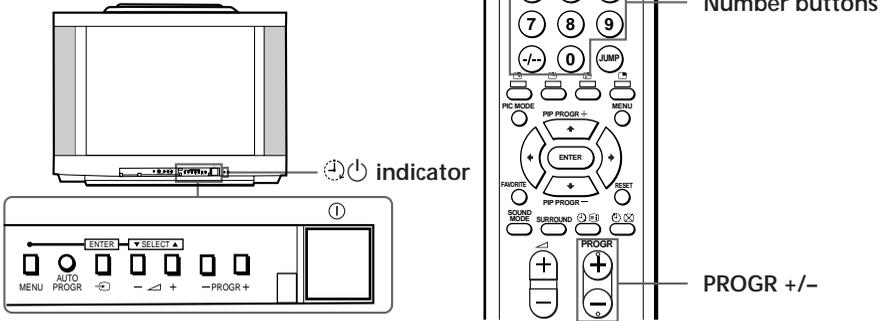
**1** **Press ① to turn on the TV.**

When the TV is in standby mode (the $\circlearrowleft$ indicator on the TV is lit red), press $I/\circlearrowleft$ on the remote or PROGR +/− on the TV.

①

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**2** **Press PROGR +/− or the number buttons to select the TV channel.**

For double digit numbers, press -/--, then the number (e.g., for 25, press -/--, then 2 and 5).

PROGR          or

---
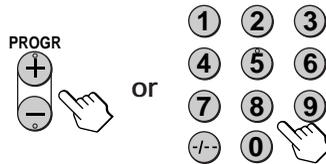
Note
• When you turn on the TV, either the program number or video mode is displayed for approximately 40 seconds. The ECO MODE ( 🌲ECO ) icon will also appear if "ECO MODE " in the "SETUP" menu is set "ON" (see page 30).

## To select a TV program quickly

(1) Press and hold PROGR +/−.
(2) Release PROGR +/− when the desired program number appears.

Note
• When you select a TV program quickly, the picture may be disrupted. This does not indicate a malfunction.

## *Watching the TV (continued)*
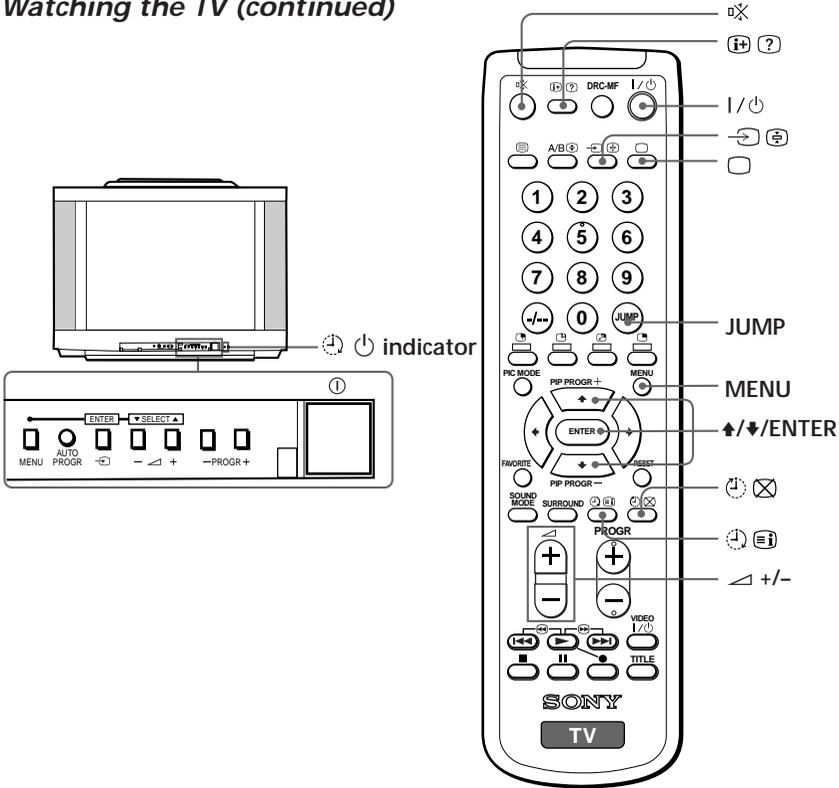


🕐 ⏻ **indicator**

## Additional tasks

| To | Press |
|---|---|
| Turn off temporarily | I/⏻.<br>The ⏻ indicator on the TV lights up red. |
| Turn off completely | ① on the TV. |
| Adjust the volume | ∠ +/−. |
| Mute the sound | ⊠. |
| Watch the video input<br>(VCR, camcorder, etc.) | ⊸ (or ⊸ on the TV) to select "VIDEO 1",<br>"VIDEO 2", "VIDEO 3", "VIDEO 4"or "DVD".<br>To return to the TV screen, press ▢ (or ⊸ on the TV). |
| Jump back to the previous channel | JUMP. |
| Display the on-screen information* | ⓘ. |

\* Some picture/sound settings, and either the program number or video mode are displayed. The on-screen display for the picture/sound settings disappears after about 3 seconds.

## Changing the menu language

You can change the menu language as well as the on-screen language. For details on how to use the menu, see **Introducing the menu system** on page 22.

**1** Press MENU.

MENU

```
⊃ PICTURE                ◉◣
▦  DRC-MF:DRC1250
♪  PICTURE MODE:DYNAMIC
▱  WIDE MODE:OFF
▦  GAME MODE:OFF
∿
```
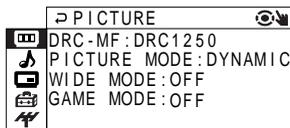
**2** Press ▲ or ▼ to select ▦, then press ENTER.

ENTER

```
⊃ SETUP                  ◉◣
▦  LANGUAGE:ENGLISH
♪  PIC ROTATION
▱  ECO MODE:OFF
▦  PROGRAM SETUP
∿  COLOR SYS:AUTO
```
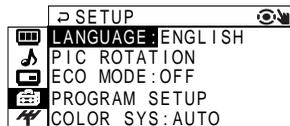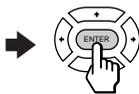
**3** Make sure "LANGUAGE" is selected then press ENTER .

ENTER

```
⊃ SETUP                  ◉◣
▦  LANGUAGE:    ENGLISH
♪  PIC ROTATIO  中文
▱  ECO MODE:OF  عربي
▦  PROGRAM SET  ไทย
∿  COLOR SYS:A
```
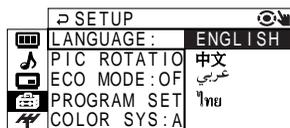
**4** Press ▲ or ▼ to select the desired language (e.g.," عربي "), then press ENTER .
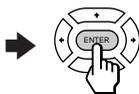
The selected menu language appears.

ENTER

```
تجهيز ⊃                  ◉◣
▦  اللغة:/ LANGUAGE      عربي
♪  دوران الصورة          غـلـق
▱  توفير طاقة:
▦  تجهيز:
∿  نظام اللون :          تلقائي
```

### To return to the normal screen

Press MENU.

Using Your New TV

## Setting the Wake Up timer

**1** Press ⏰ until the desired period of time appears.

The Wake Up timer starts immediately after you have set it.

WAKE UP TIMER:10M
After 10 minutes

WAKE UP TIMER:OFF
No Wake Up Timer

WAKE UP TIMER:12H00M
After 12 hours

**2** Select the TV channel or video mode you want to wake up to.

**3** Press I/⏻, or set the Sleep timer if you want the TV to turn off automatically.

The ⏰ indicator on the TV lights up orange.

### To cancel the Wake Up timer

Press ⏰ until "WAKE UP TIMER: OFF" appears, or turn off the TV's main power.

**Note**
• If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up timer, the TV automatically goes into standby mode. To resume watching the TV, press any button or control on the TV or the remote.

## Setting the Sleep timer

Press ⏰ until the desired period of time appears.

The Sleep timer starts immediately after you have set it.

SLEEP TIMER:30M
After 30 minutes

SLEEP TIMER:60M
After 60 minutes

SLEEP TIMER:OFF
No Sleep Timer

SLEEP TIMER:90M
After 90 minutes

### To cancel the Sleep timer

Press ⏰ until "SLEEP TIMER: OFF" appears, or turn the TV off.

# Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in the "PERSONAL" option.

PIC MODE

SOUND MODE
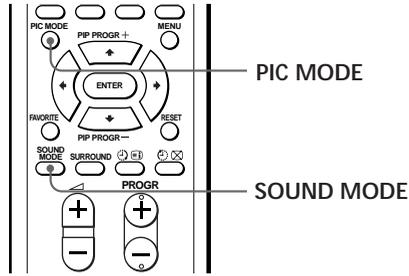
## Selecting the picture mode

Press PIC MODE repeatedly until the desired picture mode is selected.

PIC MODE

DYNAMIC → STANDARD
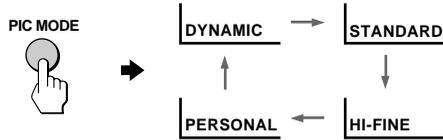
PERSONAL ← HI-FINE

| Select | To |
|--------|----|
| "DYNAMIC" | receive high contrast pictures. |
| "STANDARD" | receive normal pictures. |
| "HI-FINE" | receive higher resolution pictures with mild contrast. |
| "PERSONAL" | receive the last adjusted picture setting from the "ADJUST" option in the "PICTURE" menu (see page 26). |

## Selecting the sound mode

Press SOUND MODE repeatedly until the desired sound mode is selected.

SOUND MODE

♪DYNAMIC → ♪DRAMA
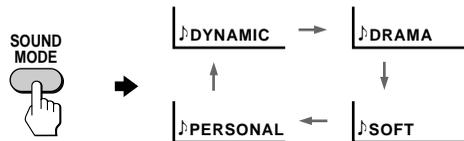
♪PERSONAL ← ♪SOFT

| Select | To |
|--------|----|
| "DYNAMIC" | listen to dynamic and clear sound that emphasizes both the low and high tones. |
| "DRAMA" | listen to sound that emphasizes voice and high tones. |
| "SOFT" | receive soft sound. |
| "PERSONAL" | receive the last adjusted sound setting from the "ADJUST" option in the "SOUND" menu (see page 28). |

**Tip**
• You can also set the picture and sound modes using the menu (see **Changing the "PICTURE" setting** on page 25 and **Changing the "SOUND" setting** on page 27 ).

Advanced Operations | 15

# Viewing higher quality pictures
## — "DRC-MF"

DRC-MF

The Digital Reality Creation-Multi Function (DRC-MF) feature allows you to enjoy higher quality pictures on your TV. You can select "DRC1250" to watch super real (higher resolution) pictures, or "DRC PROGRESSIVE" to reduce any jittering on the screen if necessary.
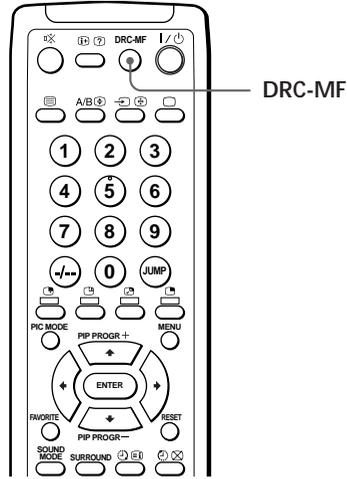
Press DRC-MF repeatedly until you receive the desired picture quality.

DRC-MF

DRC-MF: DRC1250 → DRC-MF: DRC PROGRESSIVE
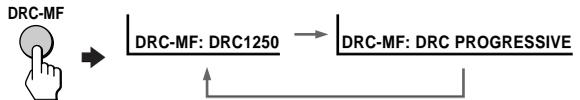
| Select | To |
|---|---|
| "DRC1250" | select higher resolution pictures. |
| "DRC PROGRESSIVE" | reduce jitter of any small areas or scanning lines (e.g., letters or the edge of objects) on the screen. |

Tips
- You can also select the DRC-MF option using the menu (see **Changing the "PICTURE" setting** on page 25).
- When the broadcast signal is weak, you may see some dots or noise on the TV screen. To reduce this interference, display the "PICTURE" menu and select "ADJUST" in "PICTURE MODE", then adjust "SHARP" to reduce the sharpness (see page 26).

Note
- The DRC-MF mode is not selectable when the "GAME MODE" or Picture-In-Picture ("PIP") mode is turned "ON".

The DRC-MF logo ( DRC-MF Digital Reality Creation ) and "DRC-MF" are trademarks of Sony Corporation.

# Viewing your favorite channels

You can display and select six of your favorite channels directly from your TV screen.

Number buttons
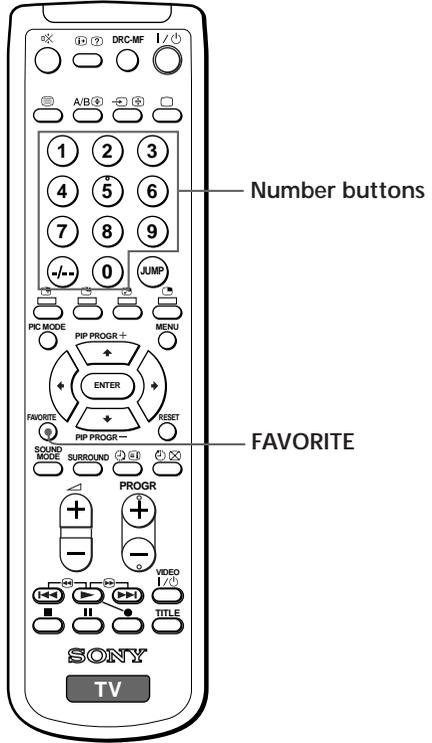
FAVORITE

**1** Press FAVORITE.

FAVORITE

FAVORITE CH

① PR01 ② PR02 ③ PR03
④ PR04 ⑤ PR05 ⑥ PR06
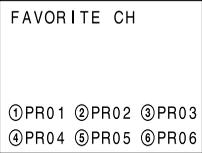
**2** Press the number button from 1 to 6 to select the desired channel.
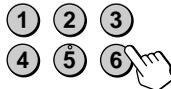
Tip
• To program your favorite channels, see **Adjusting each channel settings (PROGRAM SETUP)** on page 31.

# Watching two programs at the same time
## — "PIP"

With the Picture-in-Picture (PIP) feature, you can display a sub screen within the main picture of different TV programs or video inputs.

⬆ (PIP PROGR +)/
⬇ (PIP PROGR –)
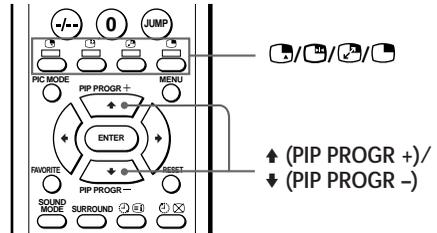
## Displaying a sub screen

Press 🔲.

12
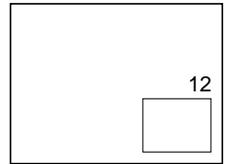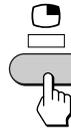
### To return to the normal screen
Press 🔲 (when displaying the sub screen).

## Additional PIP tasks

| To | Press |
|---|---|
| change a TV program in the sub screen | ⬆ (PIP PROGR +) or ⬇ (PIP PROGR –). |
| select a video input in the sub screen | 🔲. |
| swap pictures between the main and sub screens | 🔲. |
| freeze the sub screen | 🔲. To unfreeze the screen, press the button again. |

Tips
- You can also display the sub screen and exchange pictures between the main and sub screens using the menu (see **Changing the "PIP" setting** on page 29).
- You can change the position of the sub screen (see **Changing the "PIP" setting** on page 29).

Notes
- When you display a video input on the sub screen at a faster/slower speed, the picture may be disrupted depending on the VCR type.
- If you display different color systems on the main screen and the sub screen, the size of the sub screen may be different and the sub screen picture may be disrupted. This does not indicate a malfunction of the TV.

# Listening with surround sound

The surround feature enables you to enjoy the sound effects of a concert hall or movie theater.

SURROUND

---
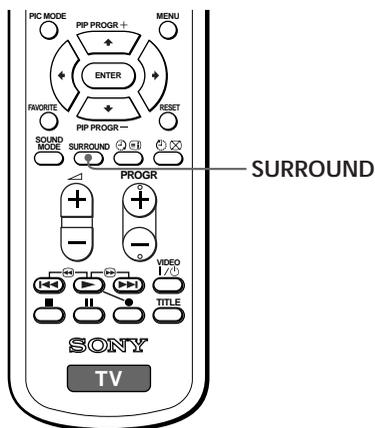
Press SURROUND repeatedly until you receive the desired surround sound.

SURROUND

SURROUND: TruSurround → SURROUND: OFF
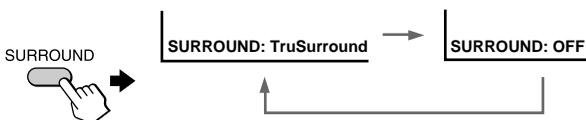
| Select | To |
|---|---|
| "TruSurround" | listen to the surround sound that spreads out to the rear of a room. |
| "OFF" | turn off the surround sound. |

---

Tip
• You can also select the surround option using the menu (see **Changing the "SOUND" setting** on page 27).

The surround of your TV is categorized as TruSurround.

**TruSurround**™ is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and selected foreign countries. SRS and TruSurround are incorporated under license from SRS Labs, Inc. and are protected under United States Patent Nos. 4,748,669 and 4,841,572 with numerous additional issued and pending foreign patents.

# Operating optional components

You can use the supplied remote to operate Sony video equipment such as Beta, 8 mm, VHS, MDP, CD or DVD.



Number buttons

MENU

▲/▼/◄/►/ ENTER

VIDEO I/⏻
Video equipment operation buttons
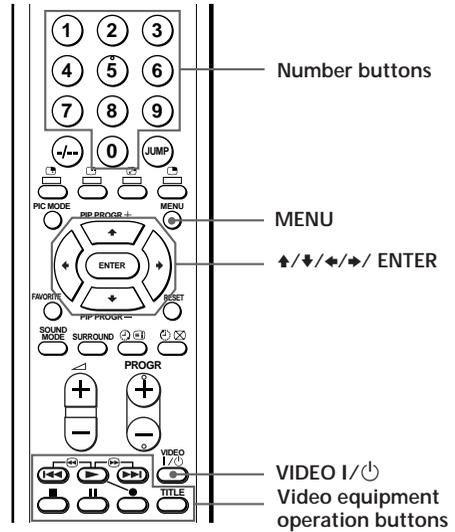
## Setting up the remote to work with other connected equipment

While holding down VIDEO I/⏻, press the following number combinations to enter the equipment's code number (see the chart below.)

For example, to operate a Sony 8 mm VCR:
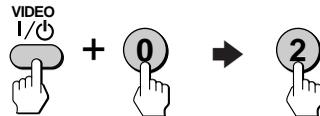
VIDEO
I/⏻
 **+** 0 ➡ 2

### Code numbers for Sony video equipment

| To control | Hold down VIDEO I/⏻ and press |
|------------|-------------------------------|
| DVD | 00 |
| VTR1 (Beta) | 01 |
| VTR2 (8 mm) | 02 |
| VTR3 (VHS) | 03 |
| MDP | 04 |
| CD | 06 |
| MD | 07 |

Notes
• If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the setting code.
• If the equipment does not have a certain function, the corresponding button on the remote will not operate.
• When you remove the batteries, the code number may revert to the factory setting.

## Operating a VCR using the remote

| To | Press |
|---|---|
| turn on/off | VIDEO **I**/⏻ |
| record | ▶ while pressing ●. |
| play | ▶ |
| stop | ■ |
| fast forward (▶▶) | ▶▶I |
| rewind the tape (◀◀) | I◀◀ |
| pause | II <br> Press again to resume normal playback. |
| search the picture forward (▶▶) or backward (◀◀) | ▶▶I or I◀◀ during playback. Release to resume normal playback. |

## Operating a DVD player using the remote

| To | Press |
|---|---|
| turn on/off | VIDEO **I**/⏻ |
| play | ▶ |
| stop | ■ |
| pause | II <br> Press again to resume normal playback. |
| step through different tracks of a disc | ▶▶I to step forward or I◀◀ to step backward. |
| display the title menu | TITLE |
| display the menu | MENU while holding down ●. |
| select the menu item | ▲/▼/◀/▶ while holding down ●. |

## Operating an MDP using the remote

| To | Press |
|---|---|
| turn on/off | VIDEO **I**/⏻ |
| play | ▶ |
| stop | ■ |
| pause | II <br> Press again to resume normal playback. |
| step through different tracks of a disc | ▶▶I to step forward or I◀◀ to step backward. |

## Operating a CD/MD using the remote

| To | Press |
|---|---|
| turn on/off | VIDEO **I**/⏻ |
| play | ▶ |
| stop | ■ |
| pause | II <br> Press again to resume normal playback. |
| go to the next/previous tracks | ▶▶I or I◀◀ |
| go forward (▶▶)/ backward (◀◀) quickly in a track | ▶▶I or I◀◀ while holding down ▶. |

# Introducing the menu system

The MENU button lets you open a menu and change the settings of your TV. The following is an overview of the menu system.

PICTURE icon — 
SOUND icon — 
PIP icon — 
SETUP icon — 
CH PRESET icon — 

Menu level 1

Return icon
Name of the current menu
Guide mark icon

Menu level 3

Menu level 2

SETUP
LANGUAGE:  ENGLISH
PIC ROTATI 中文
ECO MODE:O عربي
PROGRAM SE ไทย
COLOR SYS
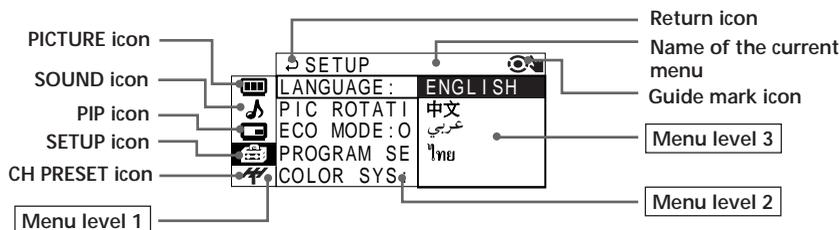
| Level 1 | Level 2 | Level 3/Function |
|---------|---------|------------------|
| "PICTURE" | "DRC-MF" | Select the "DRC-MF" mode: <br> "DRC1250" → "PROGRESSIVE" |
| | "PICTURE MODE" | Select the picture mode: <br> "DYNAMIC" → "STANDARD" → "HI-FINE" → "PERSONAL" → "ADJUST" |
| | "ADJUST" | Adjust the "PERSONAL" option: <br> "PICTURE" → "COLOR" → "BRIGHT" → "HUE" → "SHARP" |
| | "WIDE MODE" | Change the picture size. |
| | "GAME MODE" | Adjust the picture settings for video games. |
| "SOUND" | "SOUND MODE" | Select the sound mode: <br> "DYNAMIC" → "DRAMA" → "SOFT" → "PERSONAL" → "ADJUST" |
| | "ADJUST" | Adjust the "PERSONAL" option: <br> "BASS" → "TREBLE" → "BALANCE" → "BBE"* |
| | "SURROUND" | Select the "SURROUND" mode: <br> "TruSurround" → "OFF" |
| | "INTELLIGENT VOL" | Adjust volume automatically. |
| "PIP" | "POSITION" | Change the position of the sub screen. |
| | "PIP" | Display a sub screen within the main picture. |
| | "SWAP" | Exchange pictures between main screen and sub screen. |

| Level 1 | Level 2 | Level 3/Function |
|---------|---------|------------------|
| "SETUP" | "LANGUAGE" | Change the menu language:<br>"ENGLISH" → " 中文 "(Chinese) → " عربي "(Arabic) →<br>" ไทย " (Thai) |
|  | "PIC ROTATION" | Adjust the picture position. |
|  | "ECO MODE" | Reduce power consumption of your TV. |
|  | "PROGRAM SETUP" | Adjust each channel settings. |
|  | "COLOR SYS" | Select the color system:<br>"AUTO" → " PAL" → "SECAM" → "NTSC3.58" →<br>"NTSC4.43" |
| "CH PRESET" | "AUTO PROGRAM" | Preset channels automatically. |
|  | "MANUAL PROGRAM" | Preset channels manually. |
|  | "TV SYS" | Select the TV system:<br>"B/G" → "I" → "D/K" → "M" |

\* The BBE is manufactured by Sony Corporation under license from BBE
Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866.
The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.

**Adjusting Your Setup (MENU)**

# How to use the menu

Press MENU to display the menu.

**MENU**

```
⊐ PICTURE                    ⊙↩
DRC-MF:DRC1250
PICTURE MODE:DYNAMIC
WIDE MODE:OFF
GAME MODE:OFF
```

Press ▲ or ▼ (or ◄/►) to select the desired item.

```
⊐ PIP                        ⊙↩
POSITION:▣
PIP:OFF
SWAP
```

Press ENTER to confirm your selection and go to the next level.

```
⊐ PIP                        ⊙↩
POSITION:▣
PIP:OFF
SWAP
```

## Other menu operations

| To | Press |
|---|---|
| Adjust the setting value | ▲, ▼, ◄ or ►. |
| Move to the next/previous menu level | ◄ or ►. |
| Cancel the menu | MENU. |

**Tips**
- If you want to exit from Menu level 2 to Menu level 1, press ▲ or ▼ until the return icon ( ⇄ ) is highlighted, then press ENTER.
- Some of the menu items can be operated directly using the remote buttons.
- The MENU, ENTER, and SELECT ▼/▲ buttons on the TV can also be used for the operations above.

**Front of TV**

```
            ENTER   ▼ SELECT ▲
  ▢     ◯     ▢    ▢    ▢    ▢   ▢
 MENU  AUTO    ⊕    − ⊿ +   −PROGR+
      PROGR
```
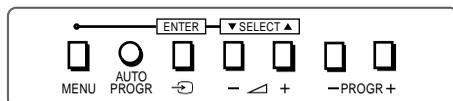
**Note**
- If more than 60 seconds elapse between entries, the menu screen automatically disappears.

# Changing the "PICTURE" setting
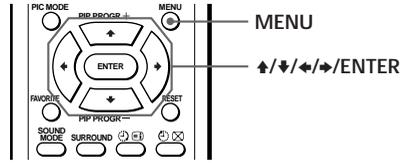
The "PICTURE" menu allows you to adjust the picture settings.


MENU

▲/▼/◄/►/ENTER

**1** Press MENU.

**2** Make sure the "PICTURE" icon (▥) is selected, then press ENTER.

```
⊃ PICTURE            ◉▥
▥ DRC-MF:DRC1250
♪ PICTURE MODE:DYNAMIC
☐ WIDE MODE:OFF
🗄 GAME MODE:OFF
🎜
```
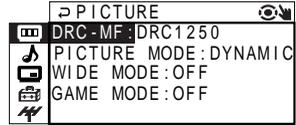
**3** Press ▲ or ▼ to select the desired item (e.g., "DRC-MF"), then press ENTER.

```
⊃ PICTURE            ◉▥
▥ DRC-MF:        DRC1250
♪ PICTURE MOD│PROGRESSIVE
☐ WIDE MODE:O
🗄 GAME MODE:O
🎜
```
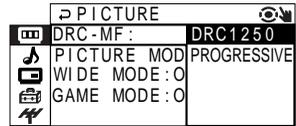
| Select | To |
|--------|-----|
| "DRC-MF" | choose either "DRC1250" or "PROGRESSIVE". |
| "PICTURE MODE" | choose either "DYNAMIC", "STANDARD", "HI-FINE", "PERSONAL"*, or "ADJUST". |
| "WIDE MODE" | change the picture size when receiving wide-mode (16:9) picture signal.<br><br>Press ▲ or ▼ to select "ON", then press ENTER.<br>To cancel, select "OFF", then press ENTER. |
| "GAME MODE" | adjust the picture setting that is suitable to view video games.<br><br>Press ▲ or ▼ to select "ON", then press ENTER.<br>To cancel, select "OFF", then press ENTER. |

\* When the "PERSONAL" mode is selected, you can receive the last adjusted picture settings from the "ADJUST" option (see page 26).

**Notes**
- For details on the options under "DRC-MF" and "PICTURE MODE", see pages 16 and 15 respectively.
- "GAME MODE" is available only when receiving signals through the ⊸ (video input), ⊸ (S video input), or ⊸ (component video input) jacks at the front and rear of your TV.

**To return to the normal screen**

Press MENU.

## Adjusting the "ADJUST" items under "PICTURE MODE"

**1** Press ▲ or ▼ to select the desired item (e.g.,"COLOR"), then press ENTER.

COLOR |||||||||||||||||||·········· 80

**2** Adjust the value according to the following table, then press ENTER.

| For | Press ▼ or ◄ to | Press ▲ or ► to |
|---|---|---|
| "PICTURE" | decrease picture contrast | increase picture contrast |
| "COLOR" | decrease color intensity | increase color intensity |
| "BRIGHT" | darken the picture | brighten the picture |
| "HUE"* | increase red picture tones | increase green picture tones |
| "SHARP" | soften the picture | sharpen the picture |

\* You can adjust "HUE" for the NTSC color system only.

**3** Repeat the above steps to adjust other items.

The adjusted settings will be received when you select "PERSONAL".

**Tip**
• For details on the menu system and how to use the menu, refer to **Introducing the menu system** on page 22.

# Changing the "SOUND" setting



MENU

♠/♦/♠/➜/ENTER

The "SOUND" menu allows you to adjust the sound settings.

**1** Press MENU.

**2** Press ♠ or ♦ to select the "SOUND" icon (♪), then press ENTER.



```
⊃ SOUND                    ☺
  SOUND MODE:DYNAMIC
  SURROUND:OFF
  INTELLIGENT VOL:OFF
```
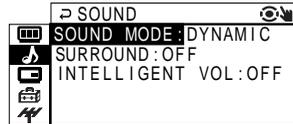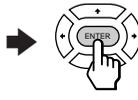
**3** Press ♠ or ♦ to select the desired item (e.g., "SOUND MODE"), then press ENTER.



```
⊃ SOUND                    ☺
  SOUND MODE:  DYNAMIC
  SURROUND:OF  DRAMA
  INTELLIGENT  SOFT
               PERSONAL
               └ ADJUST
```
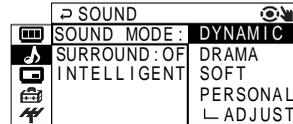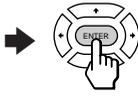
| Select | To |
|---|---|
| "SOUND MODE" | choose either "DYNAMIC", "DRAMA", "SOFT", "PERSONAL"*, or "ADJUST". |
| "SURROUND" | choose either "TruSurround" or "OFF". |
| "INTELLIGENT VOL" | adjust the volume of all TV programs and video inputs automatically.<br><br>Press ♠ or ♦ to select "ON", then press ENTER.<br>To cancel, select "OFF", then press ENTER. |

\* When the "PERSONAL" mode is selected, you can receive the last adjusted sound settings from the "ADJUST" option (see page 28).

**Note**
• For details on the options under "SOUND MODE" and "SURROUND", see pages 15 and 19 respectively.

**To return to the normal screen**

Press MENU.

## Adjusting the "ADJUST" items under "SOUND MODE"

**1** Press ♠ or ♦ to select
the desired item (e.g.,
"BALANCE"),
then press ENTER.
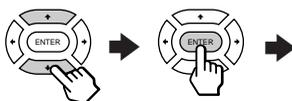
BALANCE ▬▬▬▬▬▌▬▬▬▬ 00

**2** Adjust the value according to the following table, then press ENTER .

| For | Press ♦ or ◆ to | Press ♠ or ➔ to |
|---|---|---|
| "BASS" | decrease the bass | increase the bass. |
| "TREBLE" | decrease the treble | increase the treble. |
| "BALANCE" | increase the left speaker's volume | increase the right speaker's volume. |
| "BBE" | select "HIGH" for higher enhancement of sound clarity; select "LOW" for lower enhancement of sound clarity; select "OFF" to turn off the BBE sound. | |

**3** Repeat the above steps to adjust other items.

The adjusted settings will be received when you select "PERSONAL".

**Tip**
• For details on the menu system and how to use the menu, refer to
**Introducing the menu system** on page 22.

# Changing the "PIP" setting

The "PIP" menu allows you to display a sub screen, change the sub screen position and exchange pictures between the main and sub screens.
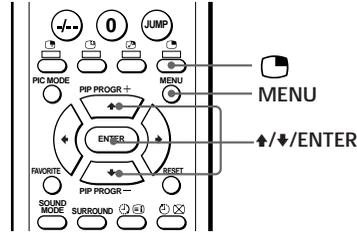
**MENU**

**↑/↓/ENTER**

**1** Press MENU.

**2** Press ↑ or ↓ to select the "PIP" icon (▣), then press ENTER.

```
⊃ PIP
▥  POSITION:▣
♪  PIP:OFF
▣  SWAP
📁
𝄞
```
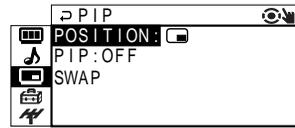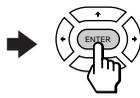
**3** Press ↑ or ↓ to select the desired item (e.g., "POSITION"), then press ENTER.

```
⊃ PIP
▥  POSITION:    ▣
♪  PIP:OFF      ▣
▣  SWAP         ▣
📁              ▣
𝄞
```
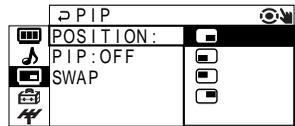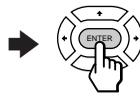
| Select | To |
|---|---|
| "POSITION" | change the position of the sub screen.<br>Press ↑ or ↓ to select the desired position, then press ENTER .<br>▣ ↔ ▣ ↔ ▣ ↔ ▣ |
| "PIP" | display a sub screen within the main picture.<br>Press ↑ or ↓ to select "ON", then press ENTER .<br>To cancel, press ▣ or select "OFF", then press ENTER . |
| "SWAP" | exchange pictures between the main screen and sub screen. |

## To return to the normal screen

Press MENU.

**Tip**
• For details on the menu system and how to use the menu, see **Introducing the menu system** on page 22.

# Changing the "SETUP" setting

The "SETUP" menu allows you to change the menu language, adjust the picture position, reduce your TV power consumption, setup your programs and select the color system.



Number buttons
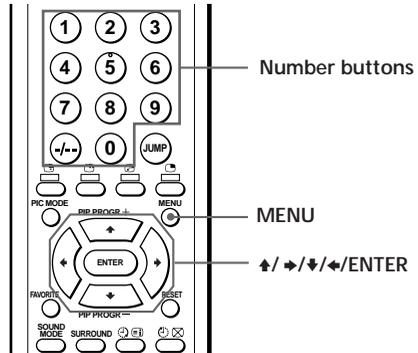
MENU

▲/ ➡/▼/◀/ENTER

**1** Press MENU.

**2** Press ▲ or ▼ to select the "SETUP" icon (🗄), then press ENTER.



```
⊃ SETUP              👁
▥  LANGUAGE:ENGLISH
♪  PIC ROTATION
🖵  ECO MODE:OFF
🗄  PROGRAM SETUP
⌁  COLOR SYS:AUTO
```
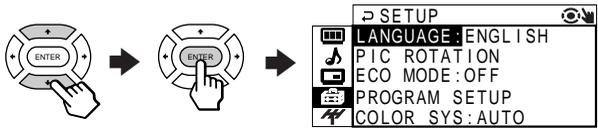
**3** Press ▲ or ▼ to select the desired item (e.g., "COLOR SYS"), then press ENTER.



```
⊃ SETUP              👁
▥  LANGUAGE:EN  AUTO
♪  PIC ROTATIO  PAL
🖵  ECO MODE:OF  SECAM
🗄  PROGRAM SET  NTSC3.58
⌁  COLOR SYS:   NTSC4.43
```
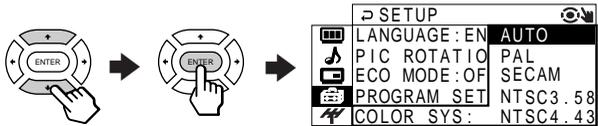
| Select | To |
|---|---|
| "LANGUAGE" | change the menu language (see **Changing the menu language** on page 13). |
| "PIC ROTATION" | adjust the picture position when it is not aligned with the TV screen. Press ▲, ➡,▼ or ◀ to adjust the picture position, then press ENTER. <br>  <br> PIC ROTATION ▤◀▭▶▦ |
| "ECO MODE" | reduce power consumption of your TV to save energy. Press ▲ or ▼ to select "ON", then press ENTER. To cancel, select "OFF", then press ENTER. |
| "PROGRAM SETUP" | adjust each channel settings (see **Adjusting each channel settings (PROGRAM SETUP)** on page 31). |
| "COLOR SYS" | select the color system. Normally, set this to "AUTO". |

## To return to the normal screen

Press MENU.

## Adjusting each channel settings (PROGRAM SETUP)

**1** Select "PROGRAM SETUP" from the "SETUP" menu.

**2** Select "PR" and press ENTER. Press ▲ or ▼ to select the desired channel you want to adjust, then press ENTER.

```
⤵ PROGRAM SETUP      ◉◣
▦ PR:14
♪ SKIP:OFF
▭ CHILD LOCK:OFF
▦ FAVORITE CH:--
⚡
```
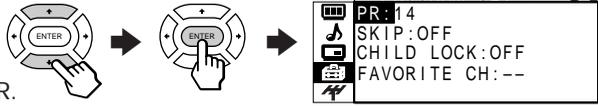
**3** Press ▲ or ▼ to select the desired item (e.g., "SKIP"), then press ENTER.

```
⤵ PROGRAM SETUP      ◉◣
▦ PR:14            ON
♪ SKIP:            OFF
▭ CHILD LOCK:
▦ FAVORITE CH
⚡
```
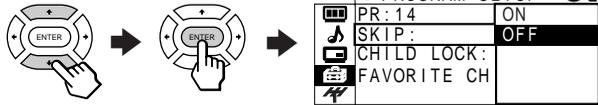
| Select | To |
|--------|-----|
| "PR" | select the desired channel. |
| "SKIP" | skip unwanted or unused program number.<br>Press ▲ or ▼ to select "ON", then press ENTER.<br>To cancel, select "OFF", then press ENTER. |
| "CHILD LOCK" | prevent children from watching this selected channel.<br>Press ▲ or ▼ to select "ON", then press ENTER.<br>The lock symbol ( 🔒 ) appears on the screen.<br>To cancel, select "OFF", then press ENTER.<br>If you preset a locked channel, that channel will be unlocked automatically. |
| "FAVORITE CH" | program six channels for direct selection.<br>Press ▲ or ▼ to select one of the six favorite channel numbers (if you decide not to make any changes, select " ⤵ "), then press ENTER.<br>To view the selected favorite channel, refer page 17. |

**4** To continue adjusting other channels, press ▲ or ▼ to select "PR", then repeat step 2 and 3.

### To return to the normal screen

Press MENU.

# Changing the Channel Preset ("CH PRESET") setting

The "CH PRESET" menu allows you to adjust the setup of your TV. For example, you can manually tune in a channel with a weak signal that fails to be tuned in by automatic presetting.
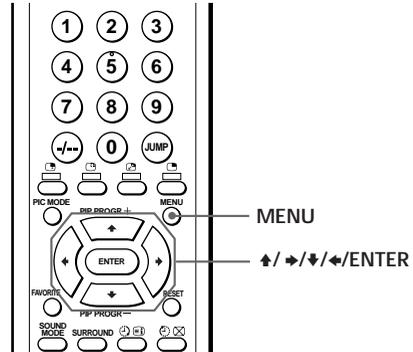
MENU

↑/ →/↓/←/ENTER

**1** Press MENU.

**2** Press ↑ or ↓ to select the "CH PRESET" icon (📺), then press ENTER.

⊃ CH PRESET
AUTO PROGRAM
MANUAL PROGRAM
TV SYS:B/G
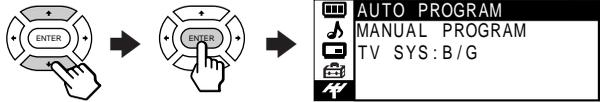
**3** Press ↑ or ↓ to select the desired item (e.g., "AUTO PROGRAM"), then press ENTER.

⊃ AUTO PROGRAM
PR: 01
TV SYS:AUTO
VHF LOW

| Select | To |
|---|---|
| "AUTO PROGRAM" | preset channels automatically. |
| "MANUAL PROGRAM" | preset channels manually. See **Presetting channels manually** on page 33. |
| "TV SYS" | select the TV system.<br>Press ↑ or ↓ to select either "B/G", "I", "D/K" or "M", then press ENTER. |

## To return to the normal screen

Press MENU.

Tip
• For details on the menu system and how to use the menu, refer to **Introducing the menu system** on page 22.

## Presetting channels manually

**1** After selecting "MANUAL PROGRAM", select the program number to which you want to preset a channel.

(1) Make sure "PR" is selected, then press ENTER.

```
⊋ MANUAL  PROGRAM  ⊙↘
PR :  06
TV  SYS : B / G
SENS : HIGH
VHF  LOW ▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐······
FINE : AUTO
```

(2) Press ♠ or ♦ until the program number you want to preset (e.g., program number "10") appears on the menu, then press ENTER.

```
⊋ MANUAL  PROGRAM  ⊙↘
PR :  10
TV  SYS : B / G
SENS : HIGH
VHF  LOW ▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐······
FINE : AUTO
```

**Tip**
• You can also select the program number with the PROGR +/− or number buttons.

**2** Select the desired channel.

(1) Press ♠ or ♦ to select either "VHF LOW", "VHF HIGH", or "UHF", then press ENTER.

```
⊋ MANUAL  PROGRAM  ⊙↘
PR :  10
TV  SYS : B / G
SENS : HIGH
VHF  LOW ▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐···
FINE : AUTO
```

(2) Press ♠ or ♦ until the desired channel's broadcast appears on the TV screen, then press ENTER.

```
⊋ MANUAL  PROGRAM  ⊙↘
PR :  10
TV  SYS : B / G
SENS : HIGH
VHF  LOW ▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐······
FINE : AUTO
```

**3** If the sound of the desired channel is abnormal, select the appropriate TV system.

(1) Press ♠ or ♦ to select "TV SYS", then press ENTER.

```
⊋ MANUAL  PROGRAM  ⊙↘
PR :  10           B / G
TV  SYS :          I
SENS : HIG    D / K
VHF  LOW ▐▐▐▐▐▐▐   M
FINE : AUTO
```

(2) Press ♠ or ♦ until the sound becomes normal, then press ENTER.

```
⊋ MANUAL  PROGRAM  ⊙↘
PR :  10
TV  SYS : I
SENS : HIGH
VHF  LOW ▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐······
FINE : AUTO
```

**4** If you are not satisfied with
the picture and sound
quality, you may be able to
improve them by using the
"FINE" tuning feature.

(1) Press ♠ or ♦
to select "FINE",
then press ENTER.

```
⊃ MANUAL PROGRAM ◉
📺 PR: 10          AUTO
♪  TV SYS: I       MANUAL
🖥  📺SENS:HIG
💼  VHF LOW ▌▌▌▌▌▌▌
📺  FINE:
```
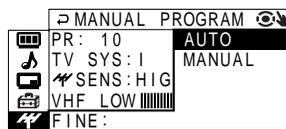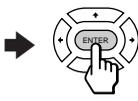
(2) Press ♠ or ♦ to select
"MANUAL", then
press ENTER.

```
⊃ MANUAL PROGRAM ◉
📺 PR: 10          AUTO
♪  TV SYS: I       MANUAL
🖥  📺SENS:HIG      ➖ ➕
💼  VHF LOW ▌▌▌▌▌▌▌
📺  FINE:
```
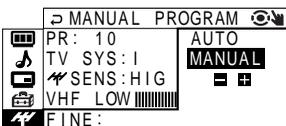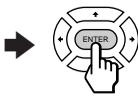
(3) Press ♠, ♦, ◀ or ▶
until the picture
and sound quality
are optimal, then
press ENTER.
The + or – icon on
the menu flashes
while tuning.

```
⊃ MANUAL PROGRAM ◉
📺 PR: 10
♪  TV SYS: I
🖥  📺SENS:HIGH
💼  VHF LOW ▌▌▌▌▌▌▌▌▌▌▌▌▌▌▌
📺  FINE:MANUAL
```
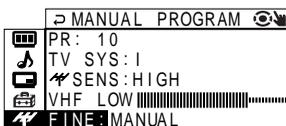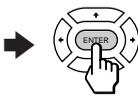
**5** If the TV signal is too
strong and the picture is
distorted, you can adjust
the TV reception
sensitivity.

(1) Press ♠ or ♦ to
select "📺SENS",
then press ENTER.

```
⊃ MANUAL PROGRAM ◉
📺 PR: 10          HIGH
♪  TV SYS: I       LOW
🖥  📺SENS:
💼  VHF LOW ▌▌▌▌▌▌▌
📺  FINE:MANUAL
```
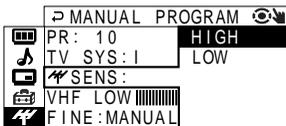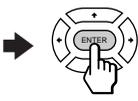
(2) Press ♠ or ♦ to
select "LOW",
then press ENTER.

```
⊃ MANUAL PROGRAM ◉
📺 PR: 10
♪  TV SYS: I
🖥  📺SENS:LOW
💼  VHF LOW ▌▌▌▌▌▌▌▌▌▌▌▌▌▌▌
📺  FINE:MANUAL
```
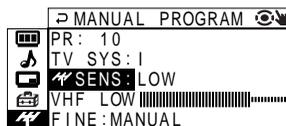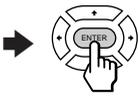
## To return to the normal screen

Press MENU.

Notes
• The TV system ("TV SYS"), TV reception sensitivity ("📺SENS") and fine
tuning ("FINE") settings are memorized for each program number.
• If you preset a locked channel ("CHILD LOCK"), that channel will be
unlocked automatically (see page 31).

# Self-diagnosis function

Your TV is equipped with a self-diagnosis function. If there is a problem with your TV, the ⏻ (standby) indicator flashes red. The number of times the ⏻ indicator flashes indicates the possible causes.

**Front of TV**
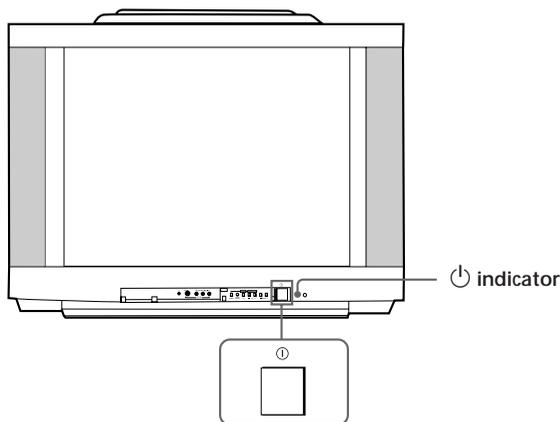
⏻ **indicator**

**1** Check that the ⏻ indicator flashes red a number of times between 3-second intervals.

**2** Count the number of times the ⏻ indicator flashes.

**3** Press ① (main power) to turn off your TV.

**4** Inform your nearest Sony service center about the number of times the ⏻ indicator flashed.
Be sure to note the model name and serial number located on the rear of your TV.

# Troubleshooting

If you have any problem while viewing your TV, you can either use the Reset function or check the Troubleshooting guide below. If the problem persists, contact your Sony dealer.

## Reset function

Press the RESET button on your remote control. Your TV will go blank for about half a second then the picture will reappear with "RESET" displayed on your TV screen for about 10 seconds.

Pressing RESET will set your TV to the factory setting, but certain problems may be solved.
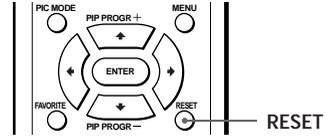
## Troubleshooting guide

| Symptom | Possible cause | Solutions | Page |
|---|---|---|---|
| **Snowy picture**<br><br>**Noisy sound** | • The connection is loose or the cable is damaged. | • Check the antenna cable and connection on the TV, VCR and at the wall. | 4 |
| | • Channel presetting is inappropriate or incomplete. | • Display the "CH PRESET" menu and select "MANUAL PROGRAM" to preset the channel again. | 33 |
| | • The antenna type is inappropriate. | • Check the antenna type (VHF/UHF). Contact a Sony dealer for advice. | – |
| | • The antenna direction needs adjustment. | • Adjust the antenna direction. Contact a Sony dealer for advice. | – |
| | • Signal transmission is low. | • Try using a booster. | – |
| **Distorted picture**<br><br>**Noisy sound** | • Broadcast signals are too strong. | • Display the "CH PRESET" menu and select "MANUAL PROGRAM". Then, select " 🔫 SENS: LOW".<br>• Turn off or disconnect the booster if it is in use. | 34<br><br>– |
| **Good picture**<br><br>**Noisy sound** | • The TV system setting or channel presetting is inappropriate or incomplete. | • If the sound of all the channels are noisy, display the "CH PRESET" menu and select "AUTO PROGRAM" to preset the channels again.<br>• If the sound of some channels is noisy, select the channel, then display the "CH PRESET" menu and select the appropriate TV system ("TV SYS"). | 32<br><br><br><br>33 |

| Symptom | Possible cause | Solutions | Page |
|---|---|---|---|
| No picture<br><br><br>No sound | • The power cord, antenna or VCR is not connected. | • Check the power cord, antenna and the VCR connections. | 4 |
| | • The TV is not turned on. | • Press I/⏻ (power).<br><br>• Press ① (main power) on the TV to turn off the TV for about five seconds, then turn it on again. | 11<br><br>12 |
| Good picture<br><br><br>No sound | • The volume level is too low. | • Press ⊿ + to increase the volume level. | 12 |
| | • The sound is muted. | • Press ◻✕ to cancel the muting. | 12 |
| Dotted lines or stripes | • There is local interference from cars, neon signs, hair dryers, power generators, etc. | • Do not use a hair dryer or other equipment near the TV.<br><br>• Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice. | –<br><br>– |
| Double images or "ghosts" | • Broadcast signals are reflected by nearby mountains or buildings. | • Use a highly directional antenna.<br><br>• Use the fine tuning ("FINE") function. | –<br><br>34 |
| | • The antenna direction needs adjustment. | • Adjust the antenna direction. Contact a Sony dealer for advice. | – |
| | • Use of a booster is inappropriate. | • Turn off or disconnect the booster if it is in use. | – |
| No color | • The color level setting is too low. | • Display the "PICTURE" menu and select "ADJUST" of "PICTURE MODE", then adjust the "COLOR" level. | 26 |
| | • The color system setting is inappropriate. | • Display the "SETUP" menu and check the color system ("COLOR SYS") setting (usually set this to "AUTO"). | 30 |
| | • The antenna direction needs adjustment. | • Adjust the antenna direction. Contact a Sony dealer for advice. | – |

| Symptom | Possible cause | Solutions | Page |
|---|---|---|---|
| Abnormal color patches  | • The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV. | • Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about five minutes, then turn it on again. | – |
| Picture slant  | • The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV. | • Keep external speakers or other electrical equipment away from the TV.<br>• Display the "SETUP" menu and adjust "PIC ROTATION" so that the picture is aligned to the TV screen. | –<br><br>30 |
| Lines moving across the TV screen. | • There is interference from external sources, e.g., heavy machineries, nearby broadcast station. | • Use the fine tuning ("FINE") function. | 34 |
| The ⏻ indicator on your TV flashes red a number of times between 3-second intervals. | • Your TV may need servicing. | • Contact your nearest Sony service center. | 35 |
| Cannot play shooting games. | • Some shooting games which involve pointing a light beam at the TV screen with an electronic gun or rifle cannot be used with your TV. For detail, see the instruction manual supplied with the video game software. | — | – |
| TV cabinet creaks. | • Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction. | — | – |
| A small "boom" sound is heard when the TV is turned on. | • The TV's demagnetizing function is working. This does not indicate a malfunction. | — | – |

# Overview of controls

## TV front panel



| Button | Function | Page |
|---|---|---|
| AUTO PROGR | Preset channels automatically. | 5 |
| ⏻ | Turn off completely or turn on the TV. | 11 |
| PROGR +/– | Select program number. | 11 |
| ⏻ | Standby indicator. | 11 |
| ◢ +/– | Adjust volume. | 12 |
| ⊸ | Select TV or video input. | 12 |
| 🕐 | Wake Up indicator. | 14 |
| MENU | Display the menu. | 24 |
| ⌒ | Headphone jack. | – |

## Remote control
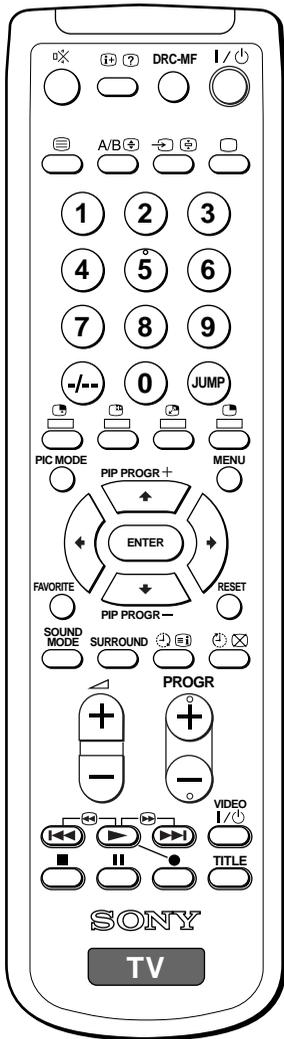


The names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

| Label color | Button function |
|-------------|-----------------|
| White | For general TV operations |
| Green | For Teletext operations |
| Yellow | For PIP operations |

| Button | Function | Page |
|--------|----------|------|
| $\mathbf{I}/\circlearrowleft$ | Turn off temporarily or turn on the TV. | 11 |
| PROGR +/– | Select program number. | 11 |
| 0 – 9, -/-- | Input numbers. | 11 |
| ⊞ | Display on-screen information. | 12 |
| ▫⚔ | Mute the sound. | 12 |
| ▢ | Display the TV program. | 12 |
| ⇥ | Select TV or video input. | 12 |
| ∠ +/– | Adjust volume. | 12 |
| JUMP | Jump to previous channel. | 12 |
| **Timer operations** | | |
| ⏲ | Set TV to turn on automatically. | 14 |
| ⏱ | Set TV to turn off automatically. | 14 |
| SOUND MODE | Select sound mode. | 15 |
| PIC MODE | Select picture mode. | 15 |
| DRC-MF | Select DRC-MF mode. | 16 |
| **Favorite Channel operations** | | |
| FAVORITE | Display favorite channels. | 17 |
| 1 – 6 | Select desired channel. | 17 |
| **PIP operations** | | |
| ▱ | Display a sub screen. | 18 |
| ▲ (PIP PROGR +) / ▼ (PIP PROGR –) | Change programs in the sub screen. | 18 |
| ▱ | Select video input for the sub screen. | 18 |
| ▱ | Swap main and sub screens. | 18 |
| ▱ | Freeze the sub screen. | 18 |

| Button | Function | Page |
|---|---|---|
| SURROUND | Select surround mode. | 19 |
| Stereo/bilingual operations (not used for KV-EX34M87/EX29M87) | | |
| A/B | Select stereo/bilingual mode. | – |
| Teletext operations (not used for KV-EX34M87/EX29M87) | | |
| ☰ | Display Teletext broadcast. | – |
| ☲i | Display Teletext service contents. | – |
| ⟳ | Stop Teletext display from scrolling. | – |
| ⟨?⟩ | Reveal concealed information. | – |
| ⟨⇳⟩ | Enlarge the Teletext display. | – |
| ⊗ | Show TV screen while waiting for Teletext page. | – |
| 0 - 9 | Input Teletext page number. | – |
| PROGR +/− | Display the next or previous page. | – |
| ▬ (red, green, yellow, blue) | Access a FASTEXT menu. | – |
| Optional components operations | | |
| VIDEO I/⏻ | Power. | 21 |
| TITLE | Display the title menu. | 21 |
| ► | Play. | 21 |
| ►►I | Fast forward/Search forward. | 21 |
| I◄◄ | Rewind/Search backward. | 21 |
| ● | Record. | 21 |
| ■ | Stop. | 21 |
| ❚❚ | Pause. | 21 |
| Menu operations | | |
| MENU | Display the menu. | 24 |
| ↑, ↓, ←, → | Select and adjust items. | 24 |
| ENTER | Confirm selected items. | 24 |
| RESET | Set TV to factory setting. | 36 |
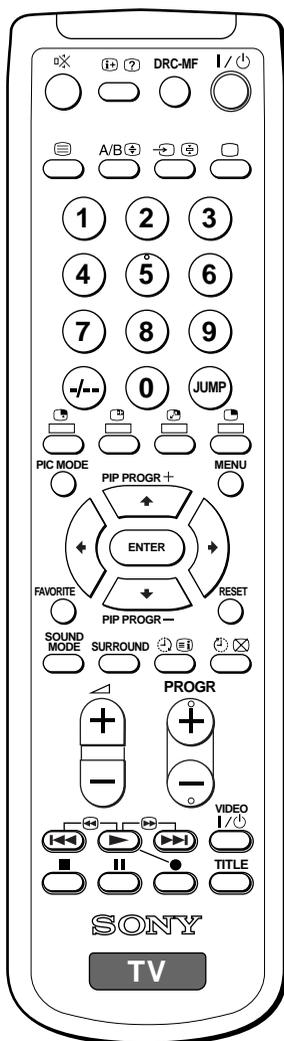
# Specifications

| | KV-EX29M87 | KV-EX34M87 | Note |
|---|---|---|---|
| Power requirements | 110-240 V AC, 50/60 Hz | | |
| Power consumption (W) | Indicated on the rear of the TV | | |
| Television system | B/G, I, D/K, M | | |
| Color system | PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58 | | |
| Channel coverage B/G | VHF : E2 to E12 / UHF : E21 to E69 / CATV : S01 to S03, S1 to S41 | | |
| I | UHF : B21 to B68 / CATV : S01 to S03, S1 to S41 | | |
| D/K | VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 / CATV : S01 to S03, S1 to S41, Z1 to Z39 | | |
| M | VHF : A2 to A13 / UHF : A14 to A79/ CATV : A-8 to A-2, A to W+4, W+6 to W+84 | | |
| ℸ⅂ (Antenna) | 75-ohm external terminal | | |
| Audio output (Speaker) | 6W + 6W | | |
| 3D WOOFER | 15W | | |
| Number of terminal 📷 (Video) | Input: 4     Output: 1 | Phono jacks; 1 Vp-p, 75 ohms | |
| ♪ (Audio) | Input: 4     Output: 1 | Phono jacks; 500 mVrms | |
| 📺 (S Video) | Input: 2 | Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms | |
| 📺 (Component Video) | Input: 1 | Phono jacks; Y: 1 Vp-p, 75 ohms, sync negative $C_B$: 0.7 Vp-p, 75 ohms $C_R$: 0.7 Vp-p, 75 ohms Audio: 500 mVrms | |
| ⌒ (Headphone) | Output: 1 | Stereo minijack | |
| Picture tube | 29 in. | 34 in. | |
| Tube size (cm) | 72 | 86 | Measured diagonally |
| Screen size (cm) | 68 | 80 | Measured diagonally |
| Dimensions (w/h/d, mm) | 772 × 603 × 516 | 895 × 700 × 590 | |
| Mass (kg) | 56 | 84 | |

Design and specifications are subject to change without notice.

Sony Corporation