SONY

Projection TV

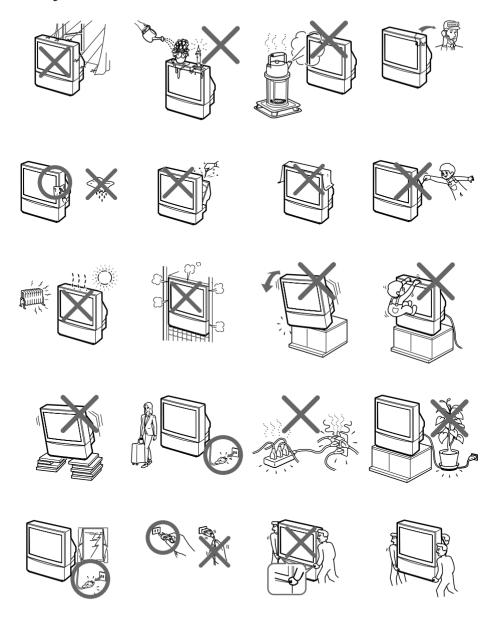## Operating Instructions

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

GRAND
WEGA

MEMORY STICK ™

KF-WS60
KF-WE50
KF-WE42

S1   A1

Safety Information

WARNING

To prevent fire or shock hazard, do not expose the projection TV to rain or moisture.
Dangerously high voltages are present inside the projection TV. Do not open the cabinet. Refer servicing to qualified personnel only.

For general safety:
- Do not expose the projection TV to rain or moisture.
- Do not open the rear cover.
- This set 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 sets designed to operate from battery power, refer to the operating instructions.

For safe installation:
- Never cover the slots and openings with a cloth or other materials.
- Do not block the ventilation openings.
- Do not use power-line operated sets near water — for example, near a bathtub, washbowl, kitchen sink, swimming pool, etc.
- Do not install the projection TV in hot, humid or excessively dusty places.
- Do not allow anything to rest on or roll over the power cord, and do not place the set where the power cord is subject to wear or abuse.
- Do not install the projection TV where it may be exposed to mechanical vibrations.
- Avoid operating the projection TV at temperatures below 5°C.
- If the projection TV is transported directly from a cold to a warm location, or if the room temperature has changed suddenly, the picture may be blurred or show poor color. This is because moisture has condensed on the mirror or lenses inside. If this happens, let the moisture evaporate before using the projection TV.
- If direct sunlight or other strong illumination shines on the screen, part of the screen may appear white due to reflections from behind the screen. This is a structural property of the projection TV.
  Do not expose the screen to direct illumination or sunlight.
- Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.
- Do not place the set on an unstable cart, stand, table or shelf. The set may fall, causing serious injury to a child or an adult and serious damage to the set. Use only a cart or stand recommended by the manufacturer for the specific model of projection TV. 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.
- When the set exhibits a distinct change in performance, it indicates a need for service.

For safe operations:
- Do not operate the projection TV on anything but 220-240 V AC, 50/60 Hz.
- Do not operate the projection TV if any liquid or solid object falls in it — have it checked immediately.
- Never push objects of any kind into the set 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 set.
- Do not keep the projection TV plugged in if you are not going to use it for several days. Even if your projection TV is turned off, it is still connected to AC power when plugged into an outlet.
- Do not pull the power cord to disconnect the projection TV. Pull it out by the plug.
- Do not plug in too many appliances to the same power socket. Do not damage the power cord.
- Do not place any objects on the projection TV. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- To prevent fire, keep inflammable objects or naked lights (e.g. candles) away from the projection TV.
- If a snapping or popping sound from a TV set is continuous or frequent while the TV is operating, unplug the TV and consult your dealer or service technician. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off.
- Give careful consideration to the environment when disposing of batteries.

Carry the projection TV in the specified manner
If you carry the projection TV in a manner other than the specified manner and without the specified number of persons, it may drop and a serious injury may be caused. Be sure to follow the instructions mentioned below.
- Carry the projection TV with the specified number of persons (see page 11).
- Do not carry the projection TV holding the speaker grill.
- Hold the Projection TV tightly when carrying it.
- Before carrying the projection TV, disconnect any accessories or cables.
- Do not carry the projection TV holding the screen edges.

Caution
- When using TV games, computers, and similar products with your projection TV, keep the brightness and contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high brightness or contrast setting, the image can be permanently imprinted onto the screen. These types of imprints are not covered by your warranty.
- Do not use the projection TV at altitudes higher than 4000 m, as doing so might cause malfunctions.

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Cleaning

Clean the rear cover area of the projection TV regularly. Dust in rear cover area may cause a problem with the cooling system of the projection TV set.

• To remove hard contamination, use a cloth moistened with a solution of mild detergent and water. Do not use a spray cleaning solution directly to the TV. It should only be used to moisten the cleaning cloth.
• Clean the cabinet of the projection TV with a dry soft cloth. To remove dust from the screen, wipe it gently with a soft cloth. Stubborn stains may be removed with a cloth slightly dampened with a solution of mild soap and warm water. Never use strong solvents such as thinner or benzine for cleaning. If picture brightness decreases over time, it may be necessary to clean the inside of the projection TV. Consult qualified service personnel.
• Unplug the AC power cord when cleaning this unit. If not, it may result in electric shock.
• Do not rub, touch, or tap the surface of the screen with sharp or abrasive items, like a ball point pen or a screw driver. Otherwise, this type or contact may result in a scratched screen.

About the projection TV

Although the projection TV is made with high-precision technology, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the screen. This is a structural property of the panel and is not a malfunction.

Projection lamp

• Your projection TV uses a projection lamp as its light source. It is time to replace the lamp with a new one (not supplied) when:
  – the lamp replacement indicator on the front panel blinks in red,
  – screen images become dark,
  – no image appears on the display after prolonged use.
• In rare instances, the bulb may pop inside the lamp unit, but the lamp unit is designed to contain all of broken glass pieces inside the lamp unit. (See "Replacing the lamp" on page 16.)
• When the lamp eventually burns out, you may hear a noticeable pop sound. This is normal and is inherent in this type of lamp.

Cooling fan

This projection TV uses a cooling fan. You may hear some fan noise (depending on the placement of the projection TV), which may be more noticeable during the night, or when ambient noise is particularly low.

The features you will enjoy include:

• "DRC-MF" for viewing higher quality pictures (page 32)
• "Twin" for watching two programs at the same time (page 37)
• "Program Index" for displaying multiple programs (page 38)
• "Picture Mode"/"Sound Mode"/"Surround" for customizing your projection TV (pages 31 and 41)
• "Wide Screen" to enjoy wide mode pictures (page 33)
• "MEMORY STICK" button on the remote control for viewing still pictures and movies stored in a "Memory Stick" (page 48)

Your projection TV also offers the following features:

• Initial Setup function for on-screen language selection, automatic channel presetting. (page 15)
• Menu language options
  – English/Chinese/Arabic/Thai (page 84)
• "Program Block" for locking out specific channels (page 83)
• "Intelligent Volume" for automatic volume adjustment (page 67)
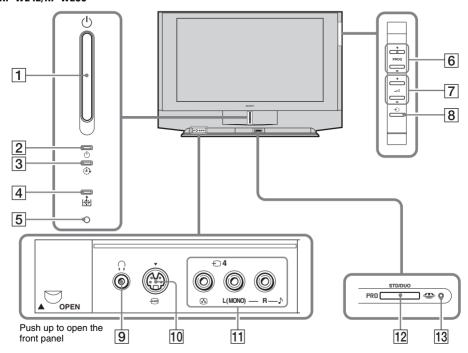• "Fine" tuning feature (page 77)

Table of Contents

Identifying parts and controls

Front panel

KF-WE42/KF-WE50

Push up to open the
front panel

KF-WS60

Press up lightly to release
the console
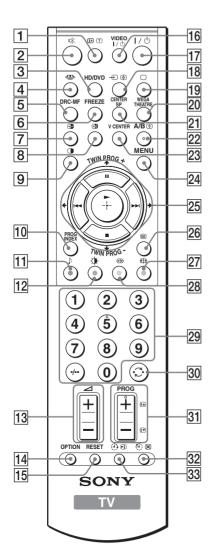
Button/ Indicator	Function	Page
1 ⏻	Press to turn the projection TV on or off.	28
2 ⏻ (Power/ Standby) indicator	Lights up in green when the TV set is turned on. When in standby mode, the indicator lights up in red.	–
3 ⏲ (Timer) indicator	Lights up in red when the TV set goes into standby mode after the Wake Up timer is set.	29
4 ▨ (Lamp) indicator	Flashes when the lamp should be replaced with a new one.	16
5 (IR) Infrared Receiver	Receives IR signals from the remote control.	–
6 PROG +/–	Select program number.	28
7 ⊿ +/–	Adjust volume.	29
8 ⊸	Select TV or video input.	29
9 ∩	Headphone jack	–
10 ⊸ 4 (⊸)	Connect to S video output of video equipment.	22
11 ⊸ 4 (⊙, ♪ L(MONO)/ R)	Connect to video/audio outputs of equipment.	22
12 "Memory Stick" slot	Insert a "Memory Stick" into this slot.	50
13 "Memory Stick" indicator	Flashes when the data is being read from a "Memory Stick". (Do not remove the "Memory Stick" when the indicator is lit.)	50

Using Your New Projection TV

Rear

KF-WE42/KF-WE50　　　　　　　　**KF-WS60**

| Connector	Function	Page
1 ⊷ 1 to 3 (⊶)	Connect to S video output of video equipment.	14
2 ⊷ 1 to 3 (⊙, ♪ L(MONO)/R)	Connect to video/audio outputs of video equipment.	14
3 ⊷	Connect to video/audio inputs of audio/video equipment.	23
4 ⊶ 1 to 2	Connect to component video outputs on a DVD player or DTV (digital television) receiver.	24 26
5 ▷◁‑c‑	Connect to speaker terminals on an amplifier.	27
6 ⊤	Connect the antenna cable.	13
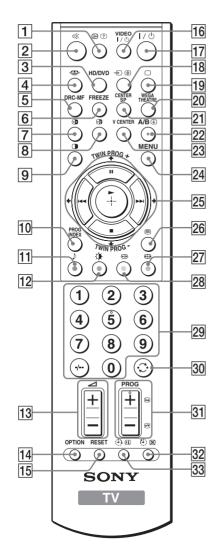
Remote control

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 Twin picture operations
Purple	For optional components operations

Button	Function	Page
1 (i+) (?)	Display on-screen information.	29
2 ◻✕	Mute the sound.	29
3 HD/DVD	Select component input.	29
4 ⬙	Display "Memory Stick Home".	50
5 DRC-MF	Select DRC-MF mode.	32
6 FREEZE	Freeze current picture in separate window.	40
7 ⬚	Swap the left and right pictures.	37
8 ⬚	Swap sound between the left and right pictures.	37
9 ◻	Display Twin pictures.	37
10 PROG INDEX	Display all preset TV programs.	38
11 ♪ ● (red)	• Select sound mode. • Access a FASTEXT menu.	31 44
12 ☼ ● (green)	• Select picture mode. • Access a FASTEXT menu.	31 44
13 ⬭ +/−	Adjust volume.	29
14 OPTION	Use with another button to operate optional components.	45
15 RESET	Reset items in the menu to the initial setting.	69

Button	Function	Page
19 ⬭	• Display the TV program. • Turn off Teletext.	29 42
20 WEGA THEATRE	Select input to enjoy WEGA Theatre.	46
21 CENTER SP	Select TV's center speaker mode.	47
22 A/B ⬍	Select stereo/bilingual mode.	41
23 V CENTER	Adjust the vertical position of the picture.	36
24 MENU	Display the menu.	70
25	• Select, adjust and confirm selected items in the menu. • Select a program of the right picture. • Select desired channel in Program Index. • Operate optional components.	70 37 38 44
26 ☰	Display Teletext page on the TV picture.	42
27 ⊞ ● (blue)	• Select wide mode. • Access a FASTEXT menu.	33 44
28 ⊕ ● (yellow)	• Select surround mode. • Access a FASTEXT menu.	41 44
29 0 – 9, -/--	Input numbers.	28
30 ⟳	Jump to previous channel.	29
31 PROG +/– (☰▲/☰▼)	• Select program number. • Select a Teletext page.	28 43
32 ⏱ ⊠	• Set the TV to turn off automatically. • Show TV screen while waiting for Teletext page.	30 43
33 ⏱ ⊟	• Set the TV to turn on automatically. • Display Teletext service contents.	29 43

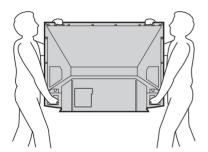| Button	Function	Page
16 VIDEO I/⏻	• Power button for video equipment. • Use with the number buttons to set up the remote.	45 45
17 I/⏻	Turn off temporarily or turn on the TV.	28
18 ⊸ ⬱	• Select video input. • Stop Teletext page from scrolling.	29 43

Step 1: Install the projection TV

To obtain the best picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the projection TV in a room where the floor and walls are not of reflecting material. If necessary, cover them with dark carpeting or wall paper.

Carrying the projection TV

Carrying the projection TV requires at least two people. Do not hold the pedestal or the front panel of the projection TV. Doing so may cause these parts to break off.

Do not grasp the pedestal or the front panel of the projection TV.

When moving the projection TV, place one hand in the hole on the lower portion of the TV while grasping the top with the other hand, as shown in the illustration below.

Take precaution during the installation

To ensure the safety of children and the projection TV, keep children away from the TV during installation. Climbing on or pushing the projection TV or its stand may cause it to fall.

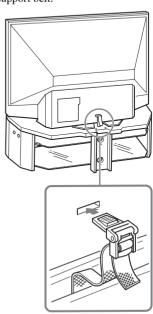## When installing the projection TV against a wall

Keep the projection TV at least 10 cm away from the wall to provide proper ventilation.

To prevent the projection TV from falling

As a protective measure, secure the projection TV as follows.

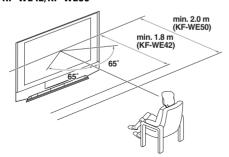### Using the projection TV stand with support belts

You can use the projection TV stand model SU-GW11 (for KF-WE42/KF-WE50, not supplied) or model SU-GW12 (for KF-WS60, not supplied) with a support belt.

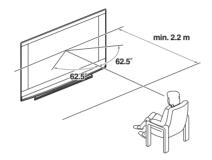# Optimum viewing area

For the best picture quality, install the projection TV within the areas below.

Horizontal
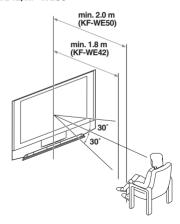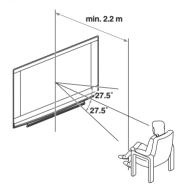**KF-WE42/KF-WE50**

min. 2.0 m
(KF-WE50)

min. 1.8 m
(KF-WE42)

65˚

65˚

KF-WS60

min. 2.2 m

62.5˚

62.5˚

Vertical
KF-WE42/KF-WE50

min. 2.0 m
(KF-WE50)
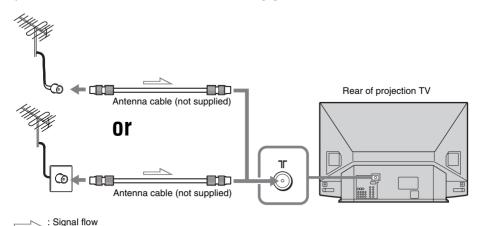
min. 1.8 m
(KF-WE42)

30˚

30˚

KF-WS60

min. 2.2 m

27.5˚

27.5˚

Step 2: Connect the antenna and the VCR

Connect the antenna

If you wish to connect a VCR, see "Connect a VCR" on page 14.

Antenna cable (not supplied)

or

Antenna cable (not supplied)

Rear of projection TV

$\Longrightarrow$: Signal flow

For optimum Performance
To connect the projection TV to the antenna or the VCR, use an antenna cable (not supplied).
Note that one end of the cable has a male plug fitted while the other end is fitted with a female socket.
Connect the male plug to the ⊓ (antenna) terminal of the projection TV.

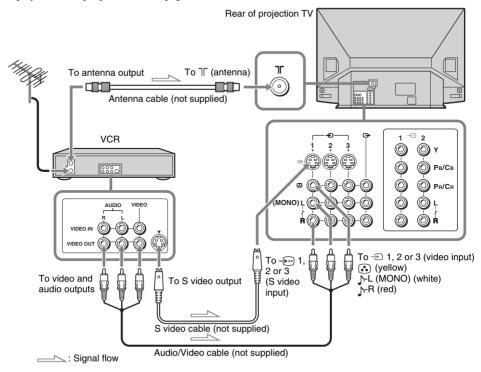#### CAUTION
Do not connect the power cord until all other connections are complete;
otherwise, a minimal current leakage through the antenna and/or other terminals to the ground could occur.
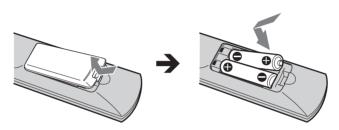
Connect a VCR

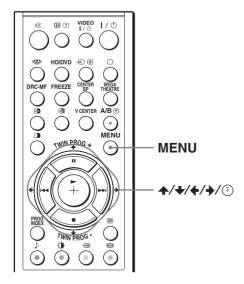To play a video tape, press ⟲ (see page 29).

Rear of projection TV

To antenna output   To ⊤ (antenna)

Antenna cable (not supplied)

VCR

AUDIO   **VIDEO**
R   L

VIDEO IN

VIDEO OUT

To video and
audio outputs   To S video output

To ⟲ 1,
2 or 3
(S video
input)

To ⟲ 1, 2 or 3 (video input)
⦿ (yellow)
♪-L (MONO) (white)
♪-R (red)

(MONO) L

R

1   2   3

1   2
Y

PB/CB

PR/CR

L

R

S video cable (not supplied)

Audio/Video cable (not supplied)

⟶ : 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 projection TV. If you cannot preset it to the program number 0 (depending on the VCR), then consult the VCR's operating manual for instructions.
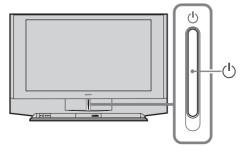
Step 3: Insert the batteries into the remote

Notes

• Never use old batteries, or different types of batteries together.
• Give careful consideration to the environment when disposing of batteries.

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Step 4: Set up your projection TV automatically

MENU

↑/↓/←/→/⊕

1 Press ⏻ to turn on the projection TV.
The "Initial Setup" menu appears, and you can select the on-screen language.

Initial Setup

Please select your language

English | 中文
تۇر | ไทย

Select: ◘◘◘◘◘ Confirm:◘◘ End: ◘◘◘◘

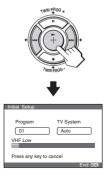**2 Press ↑/↓/←/→ to select the desired language, then press ⊕.**
"Please connect cable/antenna before starting auto program Start auto program now?" appears.

Initial Setup

Please connect cable / antenna before starting auto program

Start auto program now?

Yes | No

Select: ◘◘◘◘◘ Confirm:◘◘ End: ◘◘◘

3 Press ←/→ to select "Yes", then press ⊕ to preset the channels automatically.
The screen will indicate automatic presetting is in progress.

Initial Setup

Program | TV System
01 | Auto
VHF Low

Press any key to cancel

End: ◘◘◘

The last "Initial Setup" menu appears.

Initial Setup

Display this menu next time?

Yes | No

Select: ◘◘◘◘◘ Confirm:◘◘

4 Press ←/→ to select "No", then press ⊕.
The "Initial Setup" menu will not appear again the next time you turn on the projection TV by pressing ⏻.
To allow this menu to appear again, select "Yes", then press ⊕.

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• If your projection TV has preset an unwanted channel or cannot preset a particular channel, then preset your projection TV manually (see page 77).
• If the "No channel found Please connect cable/ antenna" message appears, check the antenna cable connection, then start auto program again.

Note

If you want to cancel any setup, press ◄/► to select "No" and press ⊙, or press MENU.

Replacing the lamp

The projection lamp, which illuminates the picture, has a limited life.
If the screen becomes dark, the color looks unusual, or the 🔅 (LAMP) indicator on the front of the projection TV flashes, it is time to replace the lamp with a new one (not supplied).

WARNING
Electric appliances can cause fire or high temperature, resulting in injury or death. Be sure to follow the instructions below.

• Use a Sony XL-2100 (for KF-WE42/KF-WE50), or XL-2300 (for KF-WS60) replacement lamp (not supplied) for replacement. Use of any other lamp may damage the projection TV.
• Do not remove the lamp for any purpose other than replacement. Doing so may cause injury or fire.
• Before replacing the lamp, turn the power off on the main unit. Wait several minutes, then unplug the power cord. (The cooling fan will continue to blow for about two minutes after turning the power off.)
• Allow the lamp to cool down completely before removing it. The surface of the lamp remains extremely hot for at least 30 minutes after the power has been turned off.
• Do not put flammable materials and metal objects inside the lamp receptacle of the projection TV after removing the lamp. Doing so may cause fire or electrical shock.
• To avoid being burned, do not touch the lamp receptacle once the lamp has been removed.
• Mount the new lamp securely. Failure to do so may cause a fire or the screen to go dark.
• Do not touch the glass of the new lamp with your fingers.

Note

Avoid touching the front glass of a new lamp as this may reduce picture quality or lamp life.

Disposing of the lamp

This product contains mercury. For disposal or recycling information, please contact your local authorities.
• Do not leave the used lamp near flammable materials or within the reach of children.
• Do not pour water onto the used lamp or put any object inside the lamp. Doing so may cause the lamp to burst.

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For KF-WE42/KF-WE50

1 **Turn off the power on the main unit. Wait several minutes, then unplug the power cord.**
(The cooling fan will continue to blow for about two minutes after turning the power off.)

2 **Wait at least 30 minutes after unplugging the power cord to allow the lamp to cool down before replacing it.**
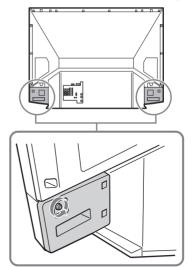**Take the new lamp out of the box.**

Notes

• Do not shake the lamp. Vibration can damage the lamp or shorten its life.
• Avoid touching the front glass of a new lamp or the glass of the lamp receptacle. This may reduce picture quality or lamp life.
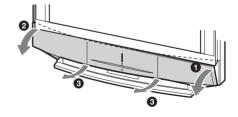

3 **Loosen the screws on the rear side panel.**

This illustration is for KF-WE50. The screw for KF-WE42 is located to the right.

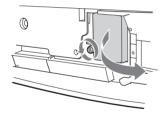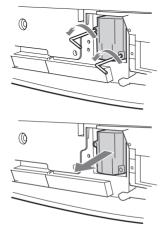**4** **Remove the front panel.**

Note

The front panel cover is securely attached to the cabinet. Pull firmly on the cover in the numbered order (see illustration) with both hands to release it.

5 Pull out the lamp.

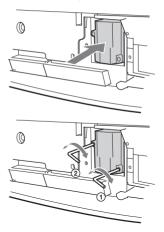Loosen the screw on the lamp cover with a coin or similar object. Remove the cover.

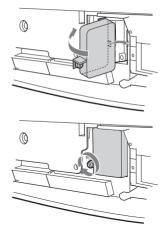Loosen the two screws that hold the lamp, then pull out the lamp.

CAUTION

- The lamp is very hot immediately after use. Never touch the front glass of the lamp or the surrounding parts.
- After it has cooled, place the used lamp into the empty box of the replacement lamp. Never put the used lamp into a plastic bag.

6 Place the new lamp, with two screws.

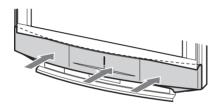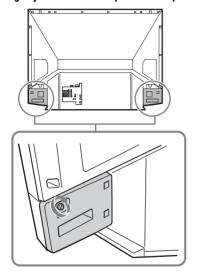Place back the lamp cover, then tighten the screw.

Notes

- If the screw of the lamp cover is slanted, the lamp may not light up properly. In such a case, take out the screw and reinsert it straight into the screw hole, then tighten the screw completely.
- If the lamp cover is not reattached securely, the self-diagnostic function may be triggered and the ⏻ indicator flashes three times (see page 92).

7 Reattach the front panel securely.

8 Tightly screw the side panel in its place.

This illustration is for the KF-WE50. The screw locations for the KF-WE42 are located inside those for the KF-WE50.
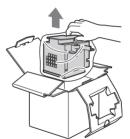
Notes

• Consult your Sony dealer for a Sony XL-2100 (for KF-WE42/KF-WE50) replacement lamp.
• Take great care when replacing the lamp or plugging in/unplugging the connecting cords. Rough handling may cause the projection TV to fall, damaging the TV, the TV stand and/or the floor.

For KF-WS60

1 Turn off the power on the main unit. Wait several minutes, then unplug the power cord.
(The cooling fan will continue to blow for about two minutes after turning the power off.)

2 Wait at least 30 minutes after unplugging the power cord to allow the lamp to cool down before replacing it.
Take the new lamp out of the box.

Notes

• Do not shake the lamp. Vibration can damage the lamp or shorten its life.
• Avoid touching the front glass of a new lamp or the glass of the lamp receptacle. This may reduce picture quality or lamp life.

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3 Loosen the screws on the rear side panel.

4 Remove the front panel.
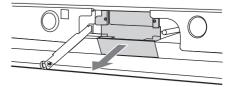
5 Pull out the lamp.
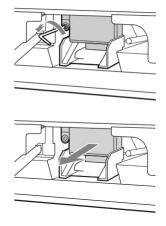
Loosen the right screw on the cover with a coin or similar object.

Remove the screw from the lamp cover. Pull the cover down towards you.
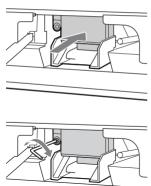
Unscrew the lamp and pull it out squarely.
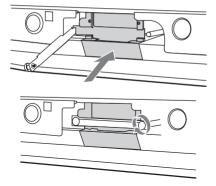
CAUTION

• The lamp is very hot immediately after use. Never touch the front glass of the lamp or the surrounding parts.
• After it has cooled, place the used lamp into the empty box of the replacement lamp. Never put the used lamp into a plastic bag.

6 **Install the new lamp in place, and then tighten the screw.**

Push the cover back on. Make sure that the hole on the cover aligns with the hole on the unit. Reattach the lamp cover by tightening the screw.
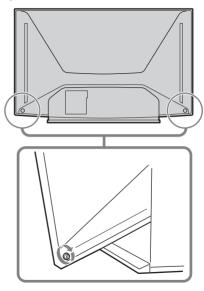
• If the screw of the lamp cover is slanted, the lamp may not light up properly. In such a case, take out the screw and reinsert it straight into the screw hole, then tighten the screw completely.
• If the lamp cover is not reattached securely, the self-diagnostic function may be triggered and the ⏻ indicator flashes three times (see page 92).

7 **Reattach the front panel securely.**

8 **Tightly screw the rear side panel in its place.**
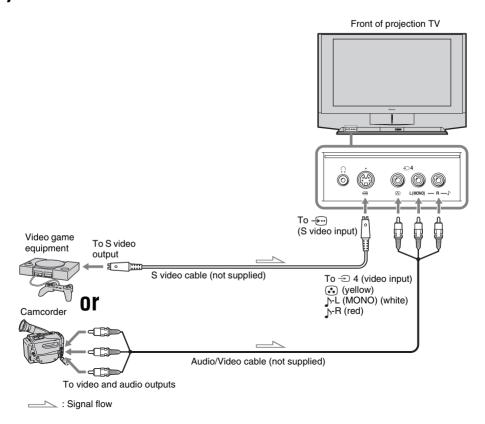
• Consult your Sony dealer for a Sony XL-2300 (for KF-WS60) replacement lamp.
• Take great care when replacing the lamp or plugging in/unplugging the connecting cords. Rough handling may cause the projection TV to fall, damaging the TV, the TV stand and/or the floor.

Connecting optional components

You can connect optional audio/video components, such as a VCR, a DTV (Digital Television) receiver, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 29 and 44.
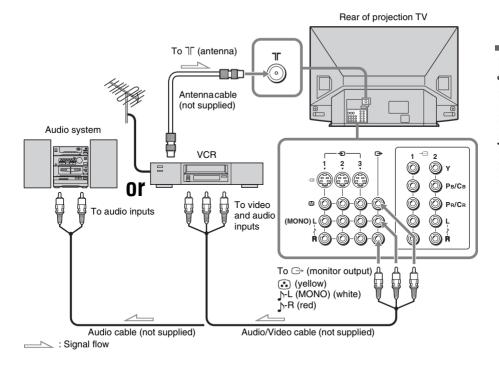
Connecting a camcorder/video game equipment using ⊕ 4 (video input 4) jacks

Front of projection TV

To ⊷ (S video input)

Video game equipment

To S video output

S video cable (not supplied)

To ⊕ 4 (video input)
📺 (yellow)
♪-L (MONO) (white)
♪-R (red)

or

Camcorder

To video and audio outputs

Audio/Video cable (not supplied)

: Signal flow

Note

You can also connect video equipment to the ⊕ 1, 2, or 3 (video input) jacks at the rear of your projection TV.
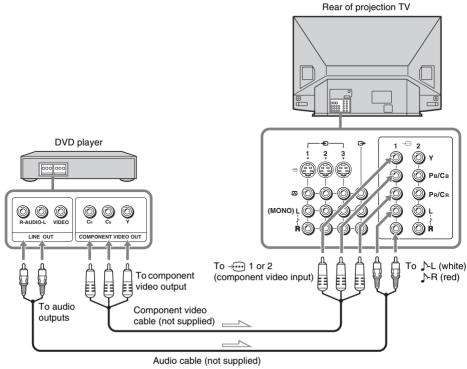
Connecting audio/video equipment using the ⊖→ (monitor output) jacks

Rear of projection TV

To ᵀᵀ (antenna)

Antenna cable (not supplied)

Audio system

VCR

or

To audio inputs

To video and audio inputs

1 2 3

(MONO) L

R

1 2 Y

P$_B$/C$_B$

P$_R$/C$_R$

L

R

To ⊖→ (monitor output)
⊙ (yellow)
♪-L (MONO) (white)
♪-R (red)

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

⟋ : Signal flow

Note

If you select "HD/DVD 1" or "HD/DVD 2" on your projection TV screen (see page 29), sound will be heard but no picture will be output from the ⊖→ (monitor output) jacks. This does not indicate a malfunction.

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Connecting a DVD player to ⟋⚬ (component video input) 1 or 2 jacks

Rear of projection TV

DVD player

R-AUDIO-L **VIDEO**   **C_R** **C_B** **Y**

LINE OUT   **COMPONENT VIDEO OUT**

1   2   3   1   2

Y

P_B/C_B

P_R/C_R

(MONO) L

R   L

R

To component
video output

To ⟋⚬ 1 or 2
(component video input)

To ♪-L (white)
♪-R (red)

To audio
outputs

Component video
cable (not supplied)

Audio cable (not supplied)

⟶ : Signal flow
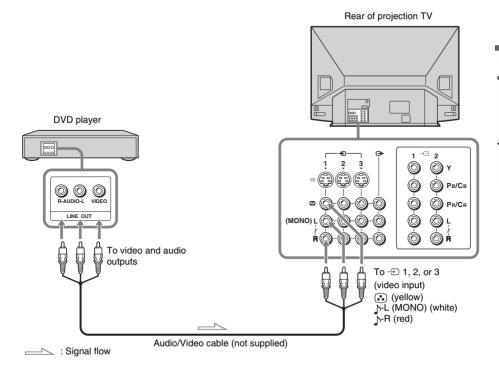
Notes

• Some DVD player terminals may be labeled differently:

Connect	To (on the DVD player)
Y (green)	Y
P_B/C_B (blue)	C_B, B-Y or P_B
P_R/C_R (red)	C_R, R-Y or P_R
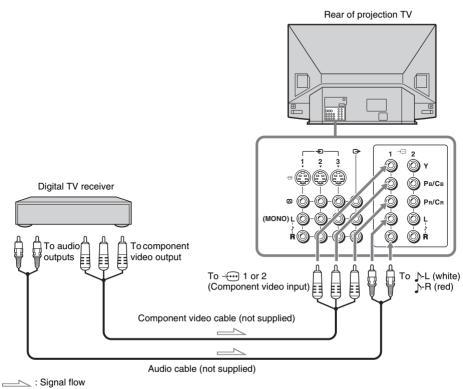
• If you select "HD/DVD 1" or "HD/DVD 2" on your projection TV screen (see page 29), sound will be heard but no picture will be output from ⟶ (monitor output). This does not indicate a malfunction.
• When receiving a progressive signal through ⟋⚬ (component video input), Twin and Freeze features are not available, and "DRC-MF" is not selectable.

Connecting a DVD player to ⊕ (video input) 1, 2 or 3 jacks

Rear of projection TV

DVD player

R-AUDIO-L VIDEO

LINE OUT

To video and audio outputs

To ⊕ 1, 2, or 3 (video input)
⊡ (yellow)
⌐L (MONO) (white)
⌐R (red)

1 2 3

(MONO) L

R

1 2 Y

PB/CB

PR/CR

L

R

: Signal flow   Audio/Video cable (not supplied)

Notes

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, display the "Picture" menu and select "Personal" for "Picture Mode", then adjust the sharpness ("Sharpness") (see page 71).
- You can also connect a DVD player to ⊕ (S video input) on the projection TV.

Connecting a DTV (digital television) receiver to ⊷ 1 or 2 (component video input) jacks

Rear of projection TV

Digital TV receiver

To audio outputs

To component video output

1 ⊷ **2**
Y
PB/CB
PR/CR
L
R

1 2 3

(MONO) L
R

To ⊷ 1 or 2
(Component video input)

To ♪-L (white)
♪-R (red)

Component video cable (not supplied)

Audio cable (not supplied)

: Signal flow
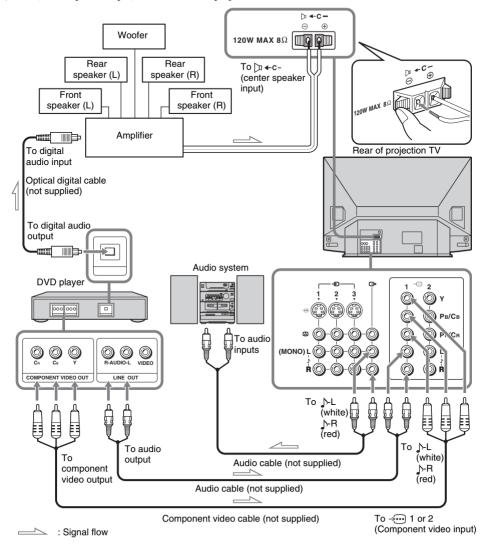
💡 Tip
The projection TV accepts the following signal formats:

Total scanning line	Effective scanning line	fV (Hz)
1125i	1080i	50/60
750p	720p	50/60
625p	576p	50
625i	576i	50
525p	480p	60
525i	480i	60

Connecting an amplifier

If you use an amplifier with a Dolby* surround decoder instead of the projection TV's audio system, you can use the projection TV's speakers as the center speaker for your audio system.

Using the speaker cords supplied with the amplifier, connect the speaker terminals of the amplifier to the ▷⊓←c- (center speaker input) terminals on the projection TV.
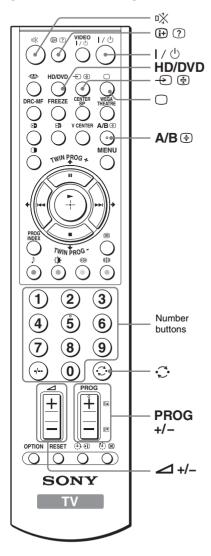

: Signal flow

Note
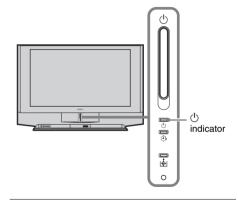
To use the projection TV's speakers as the center speaker, press the CENTER SP button on the remote control (see page 47).

* "Dolby" is a trademark of Dolby Laboratories.

Watching the projection TV

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

⏻ indicator
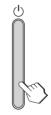
1 Press ⏻ to turn on the projection TV.
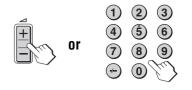
When the projection TV is in standby mode (the ⏻ indicator on the projection TV is lit red), press I/⏻ on the remote.

2 Press PROG +/– 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).

or

Note

When you turn on the projection TV, either the program number or video mode is displayed for approximately 40 seconds.

To select a TV program quickly

1 Press and hold PROG +/–.
Only the program number will change
quickly.

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

2 Release PROG +/– when the desired program
number appears.

Additional tasks

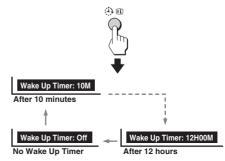| To	Press
turn off temporarily	I/⏻. The ⏻ indicator on the projection TV lights up red.
adjust the volume	⊿ +/–.
mute the sound	⌀✕.
watch the video input (VCR, camcorder, etc.)	⤓ 🔁 to select "VIDEO 1", "VIDEO 2", "VIDEO 3" or "VIDEO 4". To return to the TV screen, press ▭.
watch the component input (DVD, DTV receiver)	HD/DVD to select "HD/ DVD 1" or "HD/DVD 2". To return to the TV screen, press ▭.
jump back to the previous channel	↩.
display the on-screen information*	(i+) (?).

* 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.

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		Wake Up Timer: 12H00M
No Wake Up Timer		**After 12 hours**

> ☀️ **Tip**
> To change the period of time quickly, press and hold
> ⏰ 🔲 button.

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 projection TV to turn off
automatically.**
The ⏰ indicator on the projection TV lights
up red when the TV goes into standby mode.
If any button is pressed within two hours after
the TV is turned on using the Wake Up timer,
this indicator will switch off.

To cancel the Wake Up timer
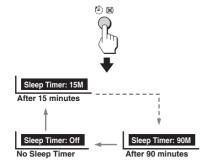Press ⏰ 🔲 until "Wake Up Timer: Off" appears.

> **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 I/⏻ button on the remote.

Setting the Sleep timer

Press ⏱ ⊠ until the desired period of time appears.

You can select the period of time from among 15, 30, 45, 60, 75 and 90 minutes.

The Sleep timer starts immediately after you have set it.

```
                    ⏱ ⊠
                     ◯
                     👆

                     ⬇

   ┌────────────────────┐
   │ Sleep Timer: 15M   │ ─ ─ ─ ─ ┐
   └────────────────────┘         ┊
   After 15 minutes               ┊
        ▲                         ▼
   ┌────────────────────┐   ┌────────────────────┐
   │ Sleep Timer: Off   │ ◄─│ Sleep Timer: 90M   │
   └────────────────────┘   └────────────────────┘
   No Sleep Timer            After 90 minutes
```

☼ Tip

The "TV will turn off soon" message will appear in the last minute before the projection TV turns off by the Sleep timer.

To cancel the Sleep timer
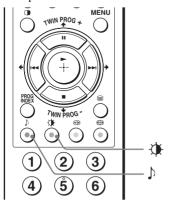
Press ⏱ ⊠ until "Sleep Timer: Off" appears, or turn the projection TV off.

Selecting the sound mode

Press ♪ repeatedly until the desired sound mode is selected.

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 "Sound" menu (see page 72).
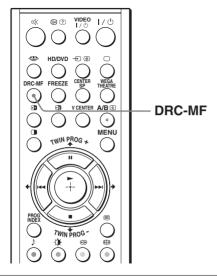
☼ Tip
You can also set the picture and sound modes using the menu (see "Changing the "Picture" setting" on page 71 and "Changing the "Sound" setting" on page 72).

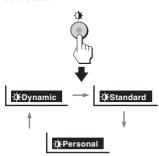# Selecting the picture and sound modes

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

Selecting the picture mode

Press ☼ repeatedly until the desired picture mode is selected.

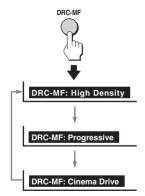| Select	To
"Dynamic"	receive high contrast pictures.
"Standard"	receive normal pictures.
"Personal"	receive the last adjusted picture setting from the "Picture" menu (see page 71).

Viewing higher quality pictures

— "DRC-MF"

The Digital Reality Creation-Multi Function (DRC-MF) feature allows you to enjoy higher quality pictures on your projection TV. You can select from among three DRC-MF modes: "DRC-MF: High Density" to watch super real (higher resolution) pictures, or "DRC-MF: Progressive" for still pictures to reduce flicker if necessary, or "DRC-MF: Cinema Drive" for moving pictures.

DRC-MF

Press DRC-MF repeatedly until you receive the desired picture quality.

Select	To
"DRC-MF: High Density"	select higher resolution pictures.
"DRC-MF: Progressive"	reduce flicker in small areas or scanning lines (e.g., letters or the edge of objects) on the screen.
"DRC-MF: Cinema Drive"	For clearer, more natural-looking pictures. This mode provides an optimized display by automatically detecting film content and applying a reverse 3-2 pulldown process.

♀ Tip

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 "Personal" for "Picture Mode", then adjust "Sharpness" to reduce the sharpness (see page 71).
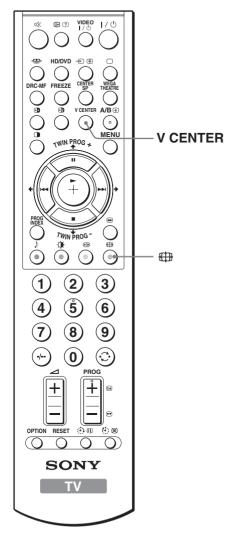
Note

The DRC-MF mode is not selectable when using the Program Index and Freeze features, or when the Twin picture mode is turned on. The mode is not available for HD (high-definition) or progressive input signal, or the picture recorded on a "Memory Stick".

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

Using wide screen mode

The wide screen mode feature allows you to watch the picture filling the 16:9 screen of the projection TV.

V CENTER

Watching the picture in wide screen mode automatically — Auto Wide

The projection TV automatically selects optimum wide screen mode according to the signal input and displays the picture to fill the 16:9 screen. You can select the wide screen mode manually using the ⊞ button (see page 35).

Notes

- The Auto Wide feature may not work correctly depending on the quality of signal. In this case, select the wide screen mode manually using the ⊞ button (see page 35).
- The examples in the following table show the settings preset at the factory; "Auto Wide" is set to "On" and "4:3 Default" is set to "Wide Zoom" in the "Wide Screen" menu (see page 75).

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When receiving ...		Auto Wide functions to select ...		The picture changes to ...
normal 4:3 aspect ratio picture with an ID-1 signal or a signal without ID-1.		Wide Zoom*		enlarge the 4:3 picture, with the upper and lower parts condensed to fit the 16:9 screen.
4:3 letter box movie or a video or DVD with an ID-1 signal.		Zoom		enlarge the picture horizontally and vertically in an equal aspect ratio that fills the 16:9 screen**.
4:3 squeezed video camera picture with an ID-1 signal.		Full		enlarge the picture horizontally only, to fill the 16:9 screen.
HDTV 16:9 picture		Full		An HDTV 16:9 picture is always displayed in "Full" mode.

* When a normal 4:3 picture is received, "Wide Zoom" mode is automatically selected with the factory setting. You can display that picture as it is without enlarging it ("Normal" mode) if you set "4:3 Default" in the "Wide Screen" menu to "Normal" (see page 75).

** Black bands may appear on the top and bottom of the screen.

Note

The 720p/1080i format signal is always displayed in "Full" mode even if it has no ID-1 signal.

Watching the picture in wide screen mode manually
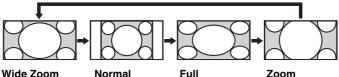
You can select the desired wide screen mode manually.

Press ⊞ repeatedly until the mode indication you want is displayed on the screen.

Original source	Each time you press ⊞, the wide screen mode changes as follows:
4:3 source (Standard definition source)	

Wide Zoom
Enlarge to fill the screen with minimum distortion

Normal
Display 4:3 picture in original size

Full
Enlarge the original picture horizontally to fill the screen

Zoom
Enlarge the original picture without distorting aspect ratio

16:9 source (High definition source)

Full
Display 16:9 picture in original size

ᄛ **Tip**
The 720p/1080i format signal (High definition 16:9 source) is always displayed in "Full" mode.

Notes

Notes

- You can also select the wide screen mode manually using the menu (see page 75).
- When the wide screen mode is selected by pressing the ⊞ button on the remote or using the menu, the Auto Wide feature does not work temporarily. The Auto Wide feature functions again when:
  – you change a TV channel with PROG +/–.
  – you change the video input with ⊝.
  – the TV is turned off and on again.
- You can adjust the vertical position of the picture when wide screen mode is set to "Wide Zoom" or "Zoom" (see page 36).

Adjusting the position of the picture
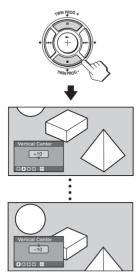
You can adjust the vertical position of the picture when
– the upper or lower part of the picture cannot be seen in "Wide Zoom" mode.
– you want to adjust the vertical position of the picture in the screen for "Zoom" mode.
  This feature is available only for "Wide Zoom" and "Zoom" modes.

1 Press V CENTER.

2 Press ⬆/⬇ to move the picture up or down.

3 Press ⊕.

Notes
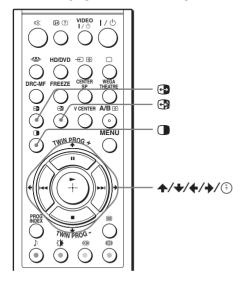
- The adjusted vertical center value remains stored even after the TV is turned off.
- You can also adjust the position of the picture in "Wide Zoom" and "Zoom" modes using the menu (see page 75).
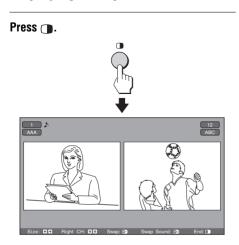
Watching two programs at the same time

— "Twin"

With the Twin pictures feature, you can display a different TV program beside the main picture.

Displaying Twin pictures

Press ◻.

To return to the normal screen

Press ◻.
The left picture is displayed in full screen.

☼ Tip

You can also display the Twin pictures using the menu (see "Operating the "Multi Picture" using the menu" on page 76).

Additional tasks

To	Press
change a TV program in the right picture	Press ▲/▼ (TWIN PROG + or –).
swap the left and right pictures	Press ⟷.
swap sound between the left and right pictures	Press ⟷. The "♪" symbol will appear to indicate which screen you are hearing.
change the screen size of the Twin pictures	Press ◀ to increase the left screen size. Press ▶ to increase the right screen size.

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- HD/DVD input signal is not available for the right picture.
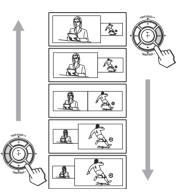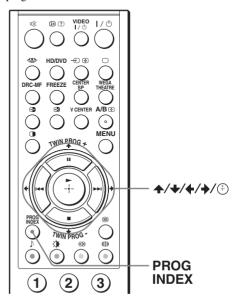- The Twin pictures feature is not available for HD (high-definition) and progressive signals. If you change the left main picture to an HD or progressive signal, a message appears and the Twin pictures feature is canceled. The selected HD or progressive picture will be displayed in full screen.
- The center speaker mode (page 47) cannot be set while the Twin picture feature is active, and when already set will be canceled if the Twin picture feature is selected.
- You cannot enjoy stereo sound in the right picture.
- You cannot change the picture to a video input in the right picture. You can only display a video input, except for HD and progressive signals, in the right picture by swapping the pictures when a video input is displayed in the left picture.
- When the ▢ button is pressed, the TV screen flickers or goes blank for about one second before the Twin pictures appear. This does not indicate a malfunction of the projection TV.
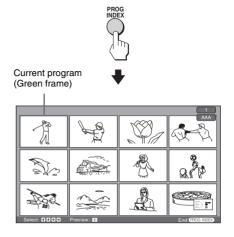
Displaying multiple programs

—"Program Index"

The Program Index feature displays 12 tuned TV programs on the screen for direct selection.

▲/▼/◀/▶/⊙

PROG
INDEX

1 Press PROG INDEX.

Current program
(Green frame)
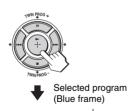
2 **Press ⬆/⬇/⬅/➡ to select the program you want to view, and press ⊕.**

The selected program is displayed in normal motion picture, and the sound also switches to this program.

Selected program
(Blue frame)
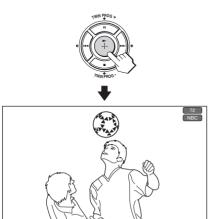
To cancel the selected program
Press ⬆/⬇/⬅/➡.

3 **Press ⊕ again to enlarge the selected program.**

The selected program is displayed in full screen.

To return to the normal screen
Press PROG INDEX again.

⏺ Tip
You can also display multiple programs using the menu (see "Operating the "Multi Picture" using the menu" on page 76).
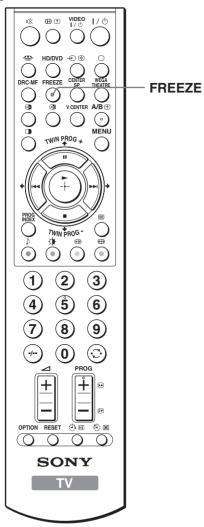
Using the Freeze function

The FREEZE button allows you to temporarily capture a program's picture.
You can use this feature to write down information such as phone number and recipes.

Note
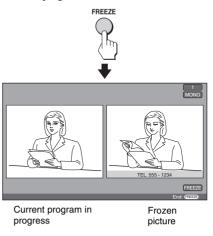
The Freeze feature is not available in Twin picture (see page 37) mode.

FREEZE

When the program information you want to capture is displayed on the screen, press FREEZE.

The projection TV switches to Twin picture mode and displays the frozen picture on the right, while the current program continues on the left.

Current program in progress

Frozen picture

To cancel and return to normal viewing.
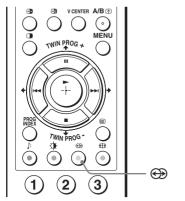
Press FREEZE (or just turn to another channel) again.

Note
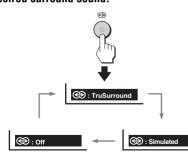
The Freeze feature is not available for HD (high-definition) and progressive signals.

Listening with surround sound

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

Press ⊕ repeatedly until you receive the desired surround sound.

Select	To
"TruSurround"*	listen to the surround sound that spreads out to the rear of a room.
"Simulated"	listen to monaural sound with a stereo-like effect.
"Off"	turn off the surround sound.
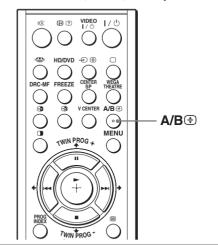
* TruSurround, SRS and (●)° symbol are trademarks of SRS Labs, Inc. TruSurround technology is incorporated under license from SRS Labs, Inc.

Note

You cannot change the surround sound when the TV is in the center speaker mode (page 47).

Enjoying stereo or bilingual programs

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.

Press A/B repeatedly until you receive the sound you want.

When receiving a NICAM program

Broad-casting	On-screen display (Selected sound)
NICAM stereo	NICAM **(Stereo sound)** ↓ Mono **(Regular sound)**
NICAM bilingual	NICAM Main **(Main sound)** ↓ NICAM Sub **(Sub sound)** ↓ Mono **(Regular sound)**
NICAM monaural	NICAM Main **(Main sound)** ↓ Mono **(Regular sound)**

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When receiving an A2 (German) program

Broad-casting	On-screen display (Selected sound)
A2 (German) stereo	→ **Mono** (Regular sound) ↓ → **Stereo** (Stereo sound)
A2 (German) bilingual	→ **Main** (Main sound) ↓ → **Sub** (Sub sound)

Receiving area for NICAM and A2 (German) programs

System	Receiving area
NICAM	Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc.
A2 (German)	Australia, Malaysia, Thailand, etc.

Notes

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "Mono". The sound becomes monaural, but the noise is reduced.
- Before receiving a NICAM stereo program in China, please check the NICAM broadcast condition at your area. When receiving a NICAM stereo program, the receiving conditions might vary depending on area. In addition, different strength of the NICAM broadcast signal might affect the receiving quality.

If the sound is distorted or noisy when receiving a monaural program through the ⊓ (antenna) terminal

Press A/B ⊕ repeatedly until "Mono" appears on the screen.
To cancel the monaural sound setting, press A/B ⊕ again until "Auto" appears on the screen.

→ **Mono**
↓
→ **Auto**
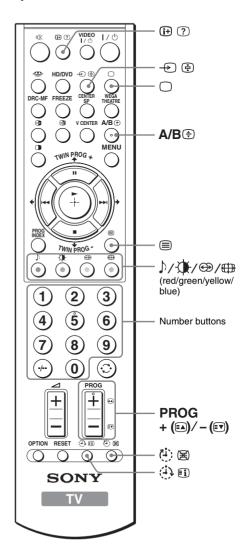
Notes

- The "Mono" or "Auto" setting is memorized for each program position.
- You cannot receive a stereo broadcast signal when the projection TV is in the "Mono" setting. Normally, set the projection TV to "Auto".

Viewing Teletext

Some TV stations broadcast an information service called Teletext which allows you to receive various information, such as stock market reports and news.

Displaying Teletext

1 Select a TV channel that carries the Teletext broadcast you want to watch.

2 Press ⊜ to display the text.

A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100" is displayed at the top left corner of the screen.


```
P166 SECTEXT   166  FR1  MAR   03:59:09
                TRAVEL
From Singapore
         Day  Dep/Arr  Flight   Aircraft
To PARIS  1.6  220/0588   SQ28     747
       2  2130/1225  PA115     L15
       3  2115/1330  SQ26      747
To OSAKA  2.5  1000/1715  SQ6      747
       4.6  0930/2015  CX522     L10
To ROMA   2.7  2130/0745  SQ24     747
       4  2300/0915  AZ487     747
To SYDNEY  1  2210/0610  SQ21A    747
       2  2100/0835  SQ21A    747
```

To turn off Teletext
Press ◯.

Additional Teletext tasks

To	Do this
display a Teletext page on the TV picture	Press ⊜. Each time you press ⊜, the screen changes as follows: Teletext → Teletext and TV → TV.
check the contents of a Teletext service	Press ⊟i. An overview of the Teletext contents, including page numbers, appears on the screen.
select a Teletext page	Press the number buttons to enter the three-digit page number of the desired Teletext page.* If you make a mistake, reenter the correct page number. To access the next or previous page, press PROG + (⊟▲)/– (⊟▼).
hold (pause) a Teletext page (stop the page from scrolling)	Press ⊕ to display the symbol "⊕" at the top left corner of the screen. To resume normal Teletext viewing, press ⊕ or ⊜.
reveal concealed information (e.g., an answer to a quiz)	Press ?. To conceal the information, press the button again.
enlarge the Teletext display	Press ⊜. Each time you press ⊜, the Teletext display changes as follows: Enlarge upper half → Enlarge lower half → Normal size.
stand by for a Teletext page while watching a TV program	• Enter the Teletext page number that you want to refer to, then press ⊠. • When the page number is displayed, press ⊜ to show the text.

* You can also select a Teletext page of any page number that appears in the colored column at the bottom of the screen using the corresponding color-coded button on the remote.

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Using FASTEXT
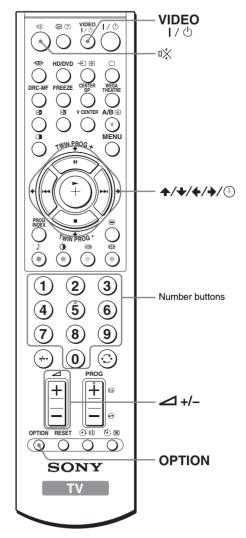
This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcast, colored menus appear at the bottom of the screen. The color of each menu corresponds to the color-coded buttons on the remote (red ●, green ●, yellow ●, and blue ●).

To access a FASTEXT menu

Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after a few seconds.

Operating optional components

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

VIDEO
I / ⏻

▁✕

▲/▼/◄/►/⊕

Number buttons

⏜ +/−

OPTION

Setting up the remote to work with other connected equipment

While keeping VIDEO I/⏻ pressed, press the corresponding number button for the equipment you wish to operate (see the chart below).

For example, to operate a Sony 8 mm VCR:

To control	Hold down VIDEO I/⏻ and press
Audio System 1, 1x, 2 or 3	0, 1, 2 or 3
DVD 1, 2 or 3	4, 5 or 6
VTR1 (Beta), VTR2 (8 mm) or VTR3 (VHS)	7, 8 or 9

Note

If the equipment does not have a certain function, the corresponding button on the remote will not operate.

Operating audio/video equipment

Press VIDEO I/⏻, or while keeping OPTION pressed, press ⊕ (▶), ❚❚, ■, ◄◄, ▶▶❙, ▯☓ or ∠ +/− (◄) (see the following chart).
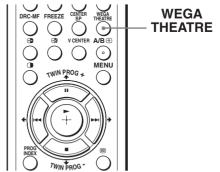
To	Press
turn on/off	VIDEO **I**/$\circlearrowright$
play	► while keeping OPTION pressed.
stop	■ while keeping OPTION pressed.
fast forward (►►)/step forward or rewind the tape (◄◄)/step backward	►►I or I◄◄ while keeping OPTION pressed.
pause	II while keeping OPTION pressed. Press again to resume normal playback.
mute the sound (Audio System 1, 1x, 2 or 3 only)	⌀✕ while keeping OPTION pressed.
adjust volume (Audio System 1, 1x, 2 or 3 only)	∠ +/– while keeping OPTION pressed.

Selecting the inputs to enjoy WEGA Theatre

The WEGA Theatre mode enables you to enjoy your favorite picture, sound and "TruSurround". You can also use the remote of the TV to operate basic functions of other connected equipment (see page 45). If the "Speaker" is set to "Main" on the "WEGA Theatre" menu, the surround mode will automatically switch to "TruSurround."

To switch the input

Press WEGA THEATRE.

The input and the speaker setting will automatically switch to the setting you preset (page 68). The surround mode will switch automatically to "TruSurround".

ϔ **Tip**
Be sure to aim the remote control at the TV and connected equipment for about one second after WEGA THEATRE button is pressed.
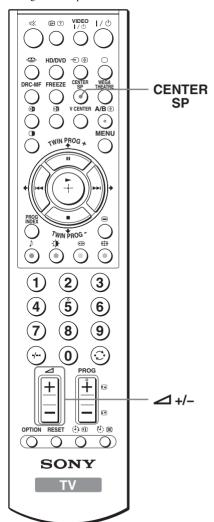
Notes
- If you do not select the proper direct input from "WEGA Theatre" menu and turned on the connected equipment, no sound will be heard when WEGA THEATRE button is pressed.
- The WEGA Theatre and center speaker input modes are automatically canceled when you change the video input or turn the TV off and on again.

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Using the projection TV's center speaker

You can use the projection TV's speakers as the center speaker of your audio system and control its sound volume from the remote of the projection TV.

Notes

• For the speaker connection, see "Connecting an amplifier" on page 27.
• You cannot switch to the center speaker mode while viewing the Twin pictures.

**CENTER
SP**

⊿ **+/−**
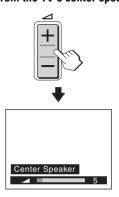
To switch to the center speaker mode

1 **Press CENTER SP repeatedly until "Center Speaker: On" is selected.**

**CENTER
SP**

2 **Press ⊿ +/− to adjust the volume of the sound from the TV's center speaker.**

Center Speaker
⊿   5

To return to the normal speaker mode
Press CENTER SP again.

ϑ Tip
The center speaker mode is automatically canceled when you change the input or the "Memory Stick" viewer, or turn the TV off and on again.

Notes

• If "Center In" is selected for "WEGA Theatre" in the "Setup" menu and nothing is connected to the center speaker input terminals on the rear of the projection TV, no sound is heard from the projection TV's speakers.
• No sound is heard from the TV's center speakers if the sound source emitted from the amplifier does not contain the center speaker channel.
• When you use the Twin, Program Index or Freeze function, the center speaker mode is canceled.

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Using the "Memory Stick" viewer

About "Memory Stick"

"Memory Stick" (sold separately) is a new, compact, portable, and versatile Integrated Circuit recording medium with a data capacity that exceeds that of a floppy disk. "Memory Stick" is specially designed for exchanging and sharing digital data among "Memory Stick" compatible products such as digital cameras and digital video cameras. Because it is removable, "Memory Stick" can also be used for external data storage.

The "Memory Stick" viewer on your projection TV allows you to view still images (JPEG* files) and movies (MPEG1** files) stored on "Memory Stick" media.
For more information on using "Memory Stick" media, see "Notes on using "Memory Stick", "Memory Stick PRO" media" on page 49 and "Notes on Memory Stick Duo" on page 49.
"Memory Stick", "Memory Stick PRO", "Memory Stick Duo" and " " are registered trademarks of Sony Corporation.

Notes

- The data loading speed may differ depending on the "Memory Stick".
- When you view a still image stored on "Memory Stick" media, the sound is not output from the TV's speakers. Do not attempt to adjust the volume.
- A "Memory Stick" formatted by a computer may not be used with this projection TV.
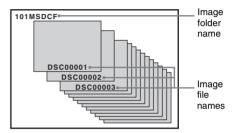
File Compatibility

The "Memory Stick" viewer can display still images and movies that are stored on "Memory Stick" media using the following compression format:
– JPEG* files (DCF compliant*) with an extension, .jpg
– MPEG1** files, MPEG MOVIE, MPEG MOVIE AD, MPEG MOVIE EX, MPEG MOVIE HQ, MPEG MOVIE HQX, MPEG MOVIE CV, VAIO Giga Pocket MPEG1.
– Images with more than 16 horizontal and/or vertical dots per line
– Images with less than 4096 horizontal and/or vertical dots per line

Example: Still images recorded with a Sony digital still camera
Folder name: **/DCIM/101MSDCF**
File name: DSC00001.JPG

Example: Movie files recorded with a Sony digital still camera
Folder name: **/MSSONY/MOML0001, /DCIM/ 101MSDCF**
File name: MOV00001.MPG

Note
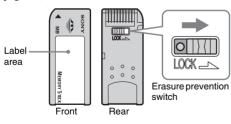
The projection TV's "Memory Stick" viewer cannot display still images and movies stored in TIFF or any other non-JPEG or non-MPEG1 compression format.

*   JPEG stands for "Joint Photographic Experts Group", which is the organization that implemented this format. DCF stands for "Design Rules for Camera File Systems", which are specifications established by the Japan Electronic Industry Development Association (JEIDA).
** MPEG1 stands for "Motion Picture Experts Group" which is the organization that implemented this format and is the typical compression format for movie files.

To prevent accidental erasure of still images and movies

Set the "Memory Stick" erasure prevention switch to "LOCK".

In this position, you cannot rotate the images (see page 56).

Label area

Erasure prevention switch

Front   Rear
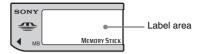
☼ Tip

When you set the erasure prevention switch on a "Memory Stick Duo", use a sharp object such as a ballpoint pen.

Notes on using "Memory Stick", "Memory Stick PRO" media

When using "Memory Stick", "Memory Stick PRO" media, follow these precautions:

• To avoid permanent damage to image data, do not turn off the projection TV or remove "Memory Stick" media from the insertion slot while data is being read (as indicated by the "Memory Stick" indicator light being on).
• Avoid touching the terminal of "Memory Stick" media or bringing it into contact with a metal object.
• Do not drop, bend, or submit "Memory Stick" media to external shock.
• Do not disassemble or modify "Memory Stick" media.
• Avoid getting liquid on "Memory Stick" media.
• Apply labels only within the designated label area.

Label area

• To avoid permanent damage to still image data, do not use or store "Memory Stick" media in a location subject to:
  – High temperature (such as near a heater or inside a hot car)
  – High humidity
  – Direct sunlight
  – Corrosive substances
  – Magnetic fields
  – Excessive dust
  – Static electricity or electric noise
  – Electric surges

• Store and carry "Memory Stick" media in its original case to ensure protection of stored data.
• Save a backup of stored data.

Notes on "Memory Stick Duo"

"Memory Stick Duo" is a new, compact version of the standard-sized "Memory Stick" recording medium.

Note

The "Memory Stick" slot on the projection TV has been designed to accept standard and compact versions of "Memory Stick". It is not necessary to use an adapter for "Memory Stick Duo". If you use an adapter, it may damage the adapter and "Memory Stick" slot.

Compatible "Memory Stick" table

Types of "Memory Stick"	Playback
"Memory Stick" "Memory Stick" (with Memory Select function) "Memory Stick Duo"	○
"Memory Stick" (MagicGate/High-speed data Transfer compatible) "Memory Stick Duo" (MagicGate/High-speed data Transfer compatible)	○ [1), 2)]
"MagicGate Memory Stick" "MagicGate Memory Stick Duo"	○ [1)]
"Memory Stick PRO" "Memory Stick PRO Duo"	○ [1), 2), 3)]

[1)] Data that uses "MagicGate" technology cannot be played on this projection TV.

[2)] This projection TV does not support high-speed data transfer.

[3)] This projection TV does not support the access control security feature.

Notes

• The operation of "Memory Stick" media up to 1GB is verified to work with this projection TV.
• The operation of "Memory Stick PRO" media of capacity exceeding 1GB is not guaranteed.

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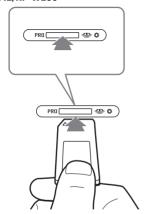## Inserting and removing a "Memory Stick"

To insert a "Memory Stick"

Locate the "Memory Stick" slot (see page 7) and insert the "Memory Stick" into the "Memory Stick" slot as illustrated.
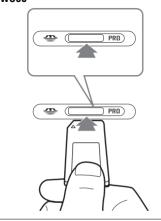
Insert the "Memory Stick" media with the ▲ symbol upward.

When inserted properly, it should slide in with little resistance and click into place. The "Memory Stick" indicator flashes and goes off.

KF-WE42/KF-WE50

KF-WS60

Notes

• Be sure to insert the "Memory Stick" in the correct direction. If the "Memory Stick" is forced in the wrong way, it may become damaged.
• Insert only "Memory Stick" media into the "Memory Stick" slot. Attempting to insert other objects into the slot may damage the projection TV.

Note

The "Memory Stick" slot on the projection TV has been designed to accept standard and compact versions of "Memory Stick". It is not necessary to use an adapter for "Memory Stick Duo". If you use an adapter, it may damage the adapter and "Memory Stick" slot.

To remove a "Memory Stick"

1 Check that the "Memory Stick" indicator is off. (When the light is on, this indicates that the projection TV is reading data from the "Memory Stick".)

2 Push the "Memory Stick" gently into the slot, and then release it.
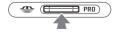
The "Memory Stick" media is ejected.
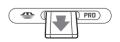
KF-WE42/KF-WE50

KF-WS60
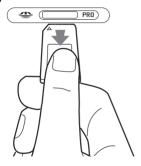
3 Pull the "Memory Stick" completely out of the slot.

KF-WE42/KF-WE50

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KF-WS60
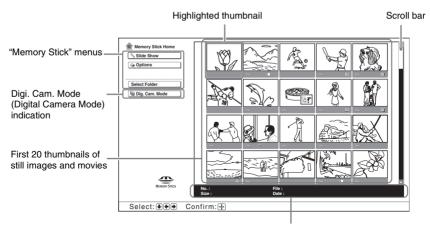
☼ Tip
When removing the "Memory Stick", do not attempt to just pull it from its slot.

Notes
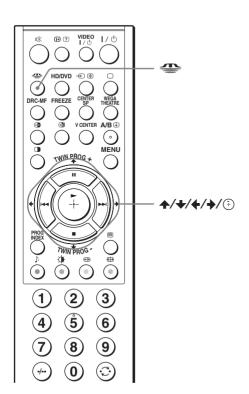
• To protect small children from injury from "Memory Stick" media, remove all "Memory Stick" media from the projection TV's "Memory Stick" slot and store it in a safe location when it is not in use.
• The screen return to the normal screen if you leave the still picture or the moving picture in pause for about 60 minutes.

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Displaying thumbnails of still images and movie files

You can view up to 20 still images and movies on the "Memory Stick" index.

Highlighted thumbnail

Scroll bar

"Memory Stick" menus

Digi. Cam. Mode (Digital Camera Mode) indication

First 20 thumbnails of still images and movies

Information about the highlighted image or movie

1 Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.

For details on inserting a "Memory Stick", see page 50.

2 Press 📀.

The "Memory Stick Home" appears, which displays thumbnails of still image and movie files stored on the "Memory Stick".

When there are more than 20 still images and movies

Press ➔ to select the scroll bar at the right end of the "Memory Stick Home", then Press ⬇ to display the next 20 thumbnails.

About the "Digi. Cam. Mode" (Digital Camera Mode)

"Digi. Cam. Mode" displays all JPEG and MPEG1 files recorded with the DCF compliant digital cameras. When you set the "Digi. Cam. Mode" to "Off", only the selected files or all the files with the extension .jpg and .mpg can be displayed. The "Memory Stick" viewer of this projection TV sets "Digi. Cam. Mode" to "On" at the factory. To set "Digi. Cam. Mode" to "Off", see page 61.

Digi. Cam. Mode	Viewable images
"On"	Still images in DCF compliant JPEG files recorded on a Sony digital still camera or digital video camera recorder, Movies in MPEG1 files recorded on a Sony digital still camera or digital video camera.
"Off"	JPEG still pictures and MPEG1 movies in the folder whose name has been changed by a computer.

Notes
• When "Digi. Cam. Mode" is "On", you cannot set "Sort" and "Filter" in the "Options" menu (page 62).
• When "Digi. Cam. Mode" is set to "On", the maximum 2000 pieces of still images and/or movies can be displayed. When you want to display more than 2000 pictures, set "Digi. Cam. Mode" to "Off".

To view still images and movies that have been arranged and saved as in a computer

You need to select the folder. To select the folder, set "Digi. Cam. Mode" to "Off".

About the icons on the thumbnail images

(Movie)	Indicates the thumbnail is a movie (MPEG1) file.
(Protect)	Indicates the still image or movie is protected. Protected files cannot be changed or deleted. For details, see "Protecting still images or movies" on page 59.
(Relative file)	Indicates another file named the same in the last four digits exists in the "Memory Stick" but is not displayed. (appears only when the "Digi. Cam. Mode" is "On".)

Notes
• The Relative file icon is added with the first file of those in the same file format (JPEG, MPEG1, and others) and having the file name with the same last 4-digits.
• If you delete the file with the Relative file icon, the other related files are all deleted at the same time.

About caution displays

	There is no file.
[?]	This image data is the JPEG or MPEG1 format that is not compatible.
	There is the thumbnail but it is not DCF compliant.
	This image data is broken.
	There is the image data but the thumbnail is broken.

To return to the normal screen

Press the number buttons or PROG +/–.

✧ Tip
When you press PROG +/–, the last selected channel appears.

Viewing still images and movies in sequence
— Slide Show

You can view the still images and movies stored on a "Memory Stick" with a specified interval.
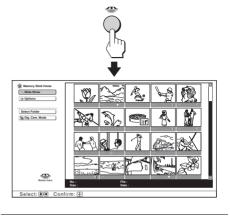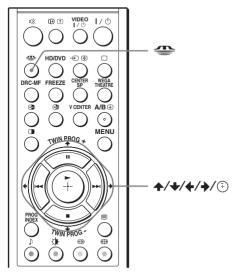

1 **Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.**

For details on inserting a "Memory Stick", see page 50.

2 **Press ⏚ to display the "Memory Stick Home".**

3 **Press ▲/▼ to select "Slide Show", then press ⊙.**

The "Slide Show" menu appears.

4 **Press ▲/▼ to select "Start", then press ⊙.**

Still images and movies are displayed according to the setting.
A movie is played automatically. At the end of the movie, the next image appears.

ʼϘʼ Tip
You can start the Slide Show even when a still image or movie is selected.

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The still images and movies do not change automatically if "Advance" in the "Slide Show" menu is set to "Manual".

To exit the "Slide Show"
Press ⊙ on the remote.

To change still images and movies in "Slide Show" manually

1 Press ⏚ to display the "Memory Stick Home".

2 Press ▲/▼ to select "Slide Show", then press ⊙.
The "Slide Show" menu appears.

3 Press ▲/▼ to select "Advance", then press ⊙.

4 Press ▲/▼ to select "Manual", then press ⊙.

5 Press ▲/▼ to select "Start", then press ⊙.
If you press ➡, the next still image or movie appears; if you press ⬅, the previous still image or movie appears.

To change the slide advance interval
You can select a time interval with which still images or movies change, from among "5 sec", "10 sec", "30 sec", "1 min" and "5 min". The factory setting is "5 sec".
The interval can be changed when "Advance" in the "Slide Show" menu is set to "Auto".

1 Press ⏚ to display the "Memory Stick Home".

2 Press ▲/▼ to select "Slide Show", then press ⊙.
The "Slide Show" menu appears.

3 Press ▲/▼ to select "Interval", then press ⊙.

4 Press ▲/▼ to select the interval you want to set, then press ⊙.

5 Press ▲/▼ to select "Start", then press ⊙.
The "Slide Show" starts.

To start the "Slide Show" from the specified still image or movie

1 Press ⬛ to display the "Memory Stick Home".

2 Press ▲/▼/◄/► to select the still image or movie from which you want to start the "Slide Show", then press ⊕.
The still image or movie index menu appears.
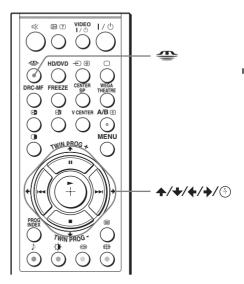
3 Press ▲/▼ to select "Slide Show", then press ⊕.

Notes

- The "Movie Player" (page 57) cannot be displayed when "Advance" is set to "Auto".
- You cannot specify the interval when "Advance" is set to "Manual".
- When "Advance" is set to "Auto", a movie file is played to the end regardless of the specified interval. When playback is finished, the next image file is displayed.
- The "Interval" setting does not show the exact time, because the time required for displaying an image depends on its file size.

Viewing a still image on the full screen
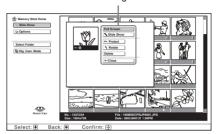
1 **Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.**
For details on inserting a "Memory Stick", see page 50.

2 **Press ⬛ to display the "Memory Stick Home".**

3 **Press ▲/▼/◄/► to select the still image you want to view, then press ⊕.**
The still image index menu appears.

Still image index menu

Advanced Operations
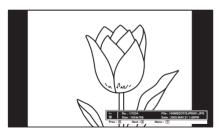
4 Press ▲/▼ to select "Full Screen", then press ⊕.

The selected still image is displayed on the full screen.


```
No. : 1/1234          File : 100MSDCF/SJP0001.JPG
Size : 1024x768       Date : 2003.MAY.31 1:00PM
Prev : ◄   Next : ►   Menu : ⊕
```

To go to the previous or next still image, press ◄/►.

5 Press ⊕.

The image setup menu appears.

Image setup menu


```
Return
Information
On
Protect
Rotate
Delete
Close
```

```
No. : 1/1234          File : 100MSDCF/SJP0001.JPG
Size : 24x768         Date : 2003.MAY.31 1:00PM
Select : ⊕   Back : ►   Confirm : ⊕
```

File information

To display another still image that is not the previous or next image, press ▲ to select "Return", then press ⊕. The "Memory Stick Home" appears.

☼ Tip
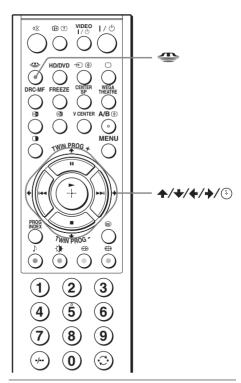
The file information automatically appears at the bottom right when a still image is displayed on the full screen. You can turn off the display of file information by setting "Information" in the image setup menu to "Off".

Notes

- The full screen display may be rough depending on the still image quality.
- Small size images may not be enlarged on the full screen.
- Displaying a large file will take a longer time.
- If a index menu, a still image or a moving picture in pause is left for 60 minutes, the display returns to the normal display.
- In the full screen mode, the selected still image is enlarged but does not fill up the screen.

Rotating a still image

You can rotate a still image that you have selected from the "Memory Stick Home" or a still image displayed on the full screen, in 90 degree increments clockwise or counterclockwise.

1 Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.
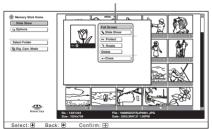
For details on inserting a "Memory Stick", see page 50.

2 Press ⟰ to display the "Memory Stick Home".

3 Press ▲/▼/◀/▶ to select the still image you want to rotate, then press ⊕.

The still image index menu appears.
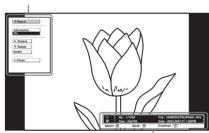
Still image index menu

4 Press ▲/▼ to select "Rotate", then press ⊕.

5 Press ▲/▼ to select the rotating direction "↻" (clockwise) or "↺"(counterclockwise), then press ⊕.

Each time you press ⊕, the still image is rotated 90 degrees.

6 Press ▼ to select "Close", then press ⊕.

The rotated image is stored.

To rotate a full screen image

1 After displaying an image on the full screen (see page 55), press ⊕.
   The image setup menu appears.

2 Press ▲/▼ to select "Rotate", then press ⊕.

3 Press ▲/▼ to select the rotating direction, then press ⊕.
   Each time you press ⊕, the still image is rotated 90 degrees in the selected direction.

4 Press ▼ to select "Close", then press ⊕.
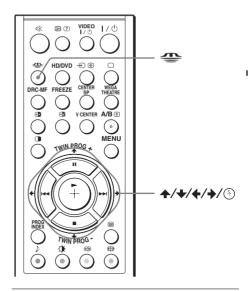
Notes

• You cannot rotate movie files.
• You cannot rotate a still image that has been protected (see page 59). Confirm the protect icon in the file information and unlock the protect before rotating.
• You cannot rotate a still image if the "Memory Stick" is locked.

Playing movies – Movie Player
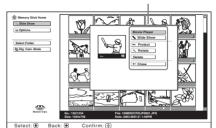
1 Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.

For details on inserting a "Memory Stick", see page 50.

2 Press ⬆ to display the "Memory Stick Home".

3 Press ▲/▼/◀/▶ to select the movie you want to play, then press ⊕.

The movie index menu appears.

Movie index menu

4 Press ▲ or ▼ to select "Movie Player", then press ⊕.

The Movie Player appears.

Movie Player Operation menu

Item	To
"Return"	return to the "Memory Stick Home".
"▶ / ❙❙"	play the movie. Select this item during playback to pause playing.
"■"	stop playback.
"❙◀◀"	display the previous file on the "Memory Stick" (during movie stop mode), or rewind the movie rapidly (during playback). The symbol on the control button changes to "◀◀" (fast-reverse) during playback.
"▶▶❙"	display the next file on the "Memory Stick" (during movie stop mode), or forward the movie rapidly (during playback). The symbol on the control button changes to "▶▶" (fast-forward) during playback.
"Menu"	display the movie setup menu to access additional options.

Notes

- If you select ❙◀◀ or ▶▶❙ during the movie stop mode, it may take a longer time to load the previous or next file. During loading the file, "Return" lights up. If you press ⊕ when "Return" is lit, the projection TV returns to the "Memory Stick Home".
- If a moving picture in pause is left for 60 minutes, the display returns to the normal display.
- "◀◀" (Fast-reverse) and "▶▶" (Fast-forward) may not work depending on the movie file.

5 Press ▲/▼ to select "▶ / ❙❙", then press ⊕.
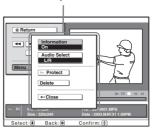
The movie playback starts. At the end of the movie, it returns to the beginning and stops. To stop playback manually, press ▲/▼ to select "■" and press ⊕.

To select the sound

1 On the Movie Player screen, press ▲/▼ to select "Menu", then press ⊕.
The Movie setup menu appears.

2 Press ▲/▼ to select "Audio Select", then press ⊕.

3 Press ▲/▼ to select the sound to be heard, then press ⊕.

Audio Select menu and selectable sounds
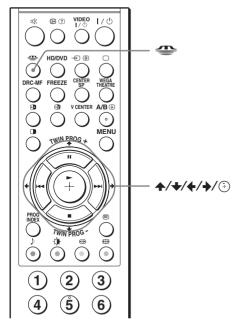
Item	Stereo program	Bilingual program
L/R	left and right sounds	main and sub sounds
L	left sound	main sound
R	right sound	sub sound

Notes

- The "Audio Select" menu is disabled when the movie does not contain sound.
- Even when a movie that contains sound is played, the "Audio Select" menu may be disabled.

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Protecting still images or movies

You can protect a still image or movie from accidental erasure. The protect can be unlocked.
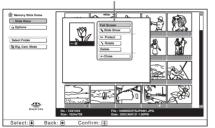

1 **Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.**

For details on inserting a "Memory Stick", see page 50.

2 **Press ▲ to display the "Memory Stick Home".**

3 **Press ▲/▼/◄/► to select the still image or movie you want to protect, then press ⊕.**

Still image or movie index menu

4 **The still image or movie index menu appears.**
Press ▲/▼ to select "Protect", then press ⊕.

5 **Press ▲/▼ to select "On", then press ⊕.**
The ⊶ (protect) icon is displayed.
To unlock the protect, select "Off", then press ⊕.

To protect a full screen image

1 After displaying a still image on the full screen (see page 55), press ⊕.
The image setup menu appears.

2 Press ▲/▼ to select "Protect", then press ⊕.

3 Press ▲/▼ to select "On", then press ⊕.
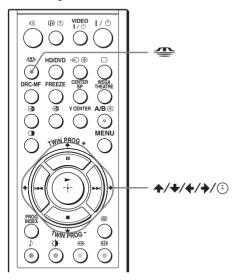
To protect a movie on the Movie Player

1 After displaying the "Movie Player" (see page 57), press ▲/▼ to select "Menu", then press ⊕.
The movie setup menu appears.

2 Press ▲/▼ to select "Protect", then press ⊕.

3 Press ▲/▼ to select "On", then press ⊕.

☼ Tip
The property of the protected image is shown as "Read-only" on a computer.

Deleting a still image or movie

You can delete unnecessary still image and movie files from the "Memory Stick". Before deleting, make sure they are really unnecessary because the deleted images cannot be restored.
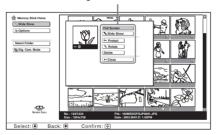

1 **Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.**

For details on inserting a "Memory Stick", see page 50.

2 **Press ⬆ to display the "Memory Stick Home".**

3 **Press ▲/▼/◄/► to select the still image or movie you want to delete, then press ⊕.**

The still image or movie index menu appears.

Still image or movie index menu

4 **Press ▲/▼ to select "Delete", then press ⊕.**

A confirmation message appears.

5 **Press ◄ to select "Yes", then press ⊕.**

To cancel deleting, select "No", then press ⊕.

• When "Digi. Cam. Mode" is set to "On", deleting a file with the Relative file icon deletes the other related files at the same time (see page 53).
• Before performing deleting, confirm the file information.
• You cannot delete protected images (see page 59). First unlock the protect.
• If the erasure prevention switch on the "Memory Stick" is in the LOCK position, you cannot delete the still images and movies in that "Memory Stick" (see page 49).

To erase a full screen image
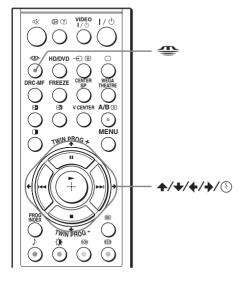
1 After displaying a still image on the full screen (see page 55), press ⊕.
The image setup menu appears.

2 Press ▲/▼ to select "Delete", then press ⊕.
A confirmation message appears.

3 Press ◄ to select "Yes", then press ⊕.

### To erase a movie on the Movie Player

1 After displaying the "Movie Player" (see page 57), press ▲/▼ to select "Menu", then press ⊕.
The movie setup menu appears.

2 Press ▲/▼ to select "Delete", then press ⊕.

3 Press ◄ to select "Yes", then press ⊕.

Displaying the current status of "Memory Stick"

You can display the "Memory Stick" type, total capacity, used capacity and free capacity of the "Memory Stick".


1 **Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.**
For details on inserting a "Memory Stick", see page 50.

2 **Press ▧ to display the "Memory Stick Home".**

3 **Press ♠/♦ to select "Options", then press ⊕.**
The "Options" menu appears.
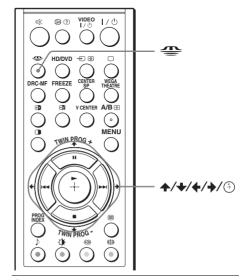
4 **Press ♠/♦ to select "Memory Stick".**
The current status of the "Memory Stick" appears.

Selecting folders

To view the still images and movies stored in different folders using a computer, you need to select the folder.

Before operating this function, make sure that "Digi. Cam. Mode" is set to "Off".

ϔ Tip
If you set "Digi. Cam. Mode" to "Off", you can display more than 2000 images and movies on the screen.

1 **Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.**
For details on inserting a "Memory Stick", see page 50.

2 **Press ▧ to display the "Memory Stick Home".**

3 **Press ♠/♦ to select "Select Folder", then press ⊕.**
The "Select Folder" menu appears.

4 **Press ♠/♦ to select "Digi. Cam. Mode", then press ⊕.**

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5 Press ▲/▼ to select "Off", then press ⊕.

Current folder   Folder list

To upper stage   First image or movie file
                  included in the current folder

6 Press ➔ to select the folder list.

7 Press ▲/▼ to select the folder which includes the file you want to view, then press ⊕.

8 Press ▲/▼ to select "Close", then press ⊕ or press ◄.
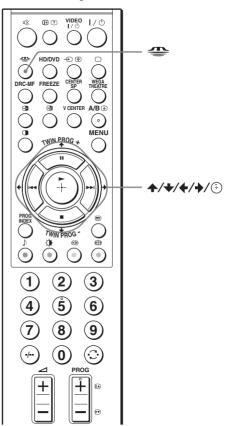
The still images and movies included in the selected folder are displayed on "Memory Stick Home".

Sorting images — Options

You can change the displaying order of the images in a "Memory Stick", in alphabetical order by file name, in chronological order by recording date. Before operating this function, make sure that "Digi. Cam. Mode" is set to "Off".

✎ Tip
If you set "Digi. Cam. Mode" to "Off", you can display more than 2000 images and movies on the screen.

1 Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.

For details on inserting a "Memory Stick", see page 50.

2 Press 📇 to display the "Memory Stick Home".

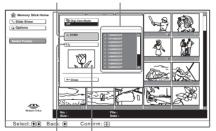## 3 Press ▲/▼ to select "Options", then press ⊕.

The "Options" menu appears.

4 Press ▲/▼ to select "File", then press ⊕.
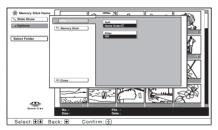
5 Press ▲/▼ to select "Sort", then press ⊕.

6 Press ▲/▼ to select the desired item, then press ⊕.

Sort menu
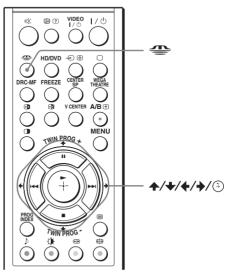
Item	To
Name Order ↓ᴬ_Z	sort in alphabetical order (A to Z) by file name
Name Order ↓ᶻ_A	sort in reverse alphabetical order (Z to A) by file name
Date Order ↓¹_9	sort in chronological order (1 to 9) by recording date
Date Order ↓⁹_1	sort in reverse chronological order (9 to 1) by recording date

Note

If an image file has been processed by a computer, the updated date may be used as the sort key for that file in "Date Order" sorting.

Displaying either still images or movies — Options

You can display either the still images or the movies that are stored in a "Memory Stick". Before operating this function, make sure that "Digi. Cam. Mode" is set to "Off".

1 Insert a "Memory Stick" into the "Memory Stick" slot of the projection TV.

For details on inserting a "Memory Stick", see page 50.

2 Press ▭ to display the "Memory Stick Home".

3 Press ▲/▼ to select "Options", then press ⊕.

The "Options" menu appears.

4 Press ▲/▼ to select "File", then press ⊕.

5 Press ▲/▼ to select "Filter", then press ⊕.

6 Press ▲/▼ to select the desired item, then press ⊕.

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Filter menu
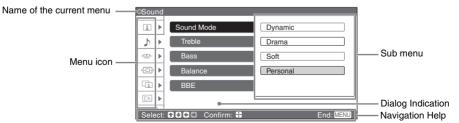
Item	Images to be displayed
"Show Stills"	Still images only
"Show Movies"	Movies only
"Off"	Still images and movies

ΰ **Tip**

If "Show Stills" or "Show Movies" is selected on "Filter", the selected image type (still image or movie) is displayed on "Memory Stick Home".

Introducing the menu system

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

Name of the current menu

| | | Menu icon | | Sub menu | Dialog Indication — Navigation Help |

Menu icon	Option	Description	
"Picture"	"Picture Mode"	Select the picture mode:	
		"Dynamic"	Select for enhanced picture contrast and sharpness.
		"Standard"	Select for standard picture settings. Recommended for home entertainment.
		"Personal"[1]	Select to display a picture with minimum enhancement.
	"Picture"	Adjust to increase picture contrast and deepen the color or decrease picture contrast and soften the color.	
	"Brightness"	Adjust to brighten or darken the picture.	
	"Color"	Adjust to increase or decrease color intensity.	
	"Hue"[2]	Adjust to increase or decrease green tones.	
	"Sharpness"	Adjust to sharpen or soften the picture.	
	"Color Temperature"	Choose from three color temperatures:	
		"Cool"	Select to give white areas a blue tint.
		"Neutral"	Select to give white areas a neutral tint.
		"Warm"	Select to give white areas a red tint.
	"NR"	Select to reduce the noise level of connected equipment. This also reduces the noise level of the signal from the ⊓ (antenna) jack.	
		"On"	Select to activate the picture noise reduction mode.
		"Off"	Select to deactivate the picture noise reduction mode.
	"Mild Mode"	Set the mild mode on or off.	
		"On"	Select for a natural, soft picture.
		"Off"	Select to turn off the mild mode.

Menu icon	Option	Description
	"Power Saving" (KF-WS60 only)	Select the power saving mode:
		"Standard" — Select to view pictures without the benefit of the power saving feature.
		"Reduced" — Select to view picture with reduced power consumption. This slightly darkens the picture, but enhances the black level.
	"Advanced Video"	Select a program to choose among the options described below.
		"DRC Mode" — Creates a high-resolution picture with 4 x density, for high quality sources (i.e., DVD player, satellite receiver).
		"High Density" — Recommended for moving pictures.
		"Progressive" — Recommended for still images and text.
		"Cinema Drive" — Provides an optimized display by automatically detecting film content and applying a reverse 3-2 pulldown process. Moving pictures will appear clearer and more natural.
		"DRC Palette" — Allows you to customize the level of detail (Reality) and smoothness (Clarity) for up to three input sources. For example, you can create one custom setting to optimize your cable TV picture, and create another to optimize your DVD player's picture. You can switch between the three Custom settings.
		1 Press ♠/♣/♦/➡ to highlight "Custom 1", "Custom 2" or "Custom 3" and then press ⊙. The DRC palette appears.
		2 Press ♠/♣/♦/➡ to adjust the position of the marker (○). As you move the ○ higher along the Reality axis, the picture becomes more detailed. As you move the ○ to the right along the Clarity axis, the picture becomes smoother.
		3 To save the setting, press ⊙. To return the Custom options to the default factory settings, press the RESET button.
		"BN Smoother" — Select to reduce noise caused by the digital video encoding and decoding process. It is especially effective for watching a DVD picture. Select from "High", "Medium", "Low" and "Off".
	"Reset"	Resets Picture settings.

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Menu icon	Option	Description
"Sound" ♪	"Sound Mode"	Select a suitable sound mode from "Dynamic", "Drama", "Soft" or "Personal".
	"Treble"	Adjust to increase or decrease treble.
	"Bass"	Adjust to increase or decrease bass.
	"Balance"	Adjust to optimize left and right speaker balance.
	"BBE"[3]	Select the "BBE" mode from "High", "Low" or "Off".
	"Intelligent Volume"	Adjust the volume of all TV programs and video inputs automatically.
		"On" Select to activate the Intelligent Volume feature. "Off" Select to turn off the Intelligent Volume feature.
	"Surround"	Select the surround mode:
		"TruSurround" Select for surround sound (for stereo programs only). "Simulated" Adds a surround-like effect to mono programs. "Off" Select to turn off the surround mode.
	"Reset"	Resets Sound settings.
"Memory Stick" 🕭	"Memory Stick Menu"	Displays still pictures and movies stored in a "Memory Stick". You can also display this menu by pressing 🕭 on the remote.
"Wide Screen" 🖵	"Wide Mode"	Select the desired wide screen mode for a 16:9 screen.
		"Wide Zoom" Select to enlarge a 4:3 picture, to fill a 16:9 screen, retaining the original image as much as possible. "Normal" Select to return a 4:3 picture to its original size and aspect ratio. "Full" Select to enlarge a 4:3 picture horizontally only, to fill the wide screen. "Zoom" Select to enlarge a 4:3 picture horizontally and vertically to an equal aspect ratio that fills the wide screen.
	"Auto Wide"	Selects an optimum wide screen mode automatically.
		"On" Select to automatically display the picture in optimum wide screen mode. "Off" Select "Off" if you want to display any picture in currently selected wide screen mode.
	"4:3 Default"	Changes the picture to "Wide Zoom" or "Normal" when the normal 4:3 picture with ID-1 or 480i/480p format signal without ID-1 is received.
		"Wide Zoom" Select to enlarge the 4:3 picture, to fill a 16:9 screen, retaining the original image as much as possible. "Normal" Select to return a 4:3 picture to normal mode.
	"Vertical Center"	Adjust the vertical position of the picture in "Wide Zoom" or "Zoom" mode. Press ♦/♦ to correct the vertical position between +10 and –10 ("Wide Zoom" mode), and +25 and –25 ("Zoom" mode).
	"Vertical Size"	Adjust the vertical size of picture in "Wide Zoom" or "Zoom" mode. Press ♦/♦ to correct the vertical size between +7 and –7.

Menu icon	Option	Description
"Multi Picture" 📺	"Twin"	Displays a TV program beside the main screen.
	"Swap"	Swaps the pictures between the left and right screens.
	"Program Index"	Displays 12 tuned TV programs on the screen for direct selection.
"Program" 🄲	"Auto Program"	The "Auto Program" menu is displayed. Presets channels automatically.
	"Manual Program"	The "Manual Program" menu is displayed. Allows you to press channels manually. You can change the following settings: "Program" — Select the program number to which you want to preset a channel. "TV System" — If the sound of the desired channel is abnormal, select the appropriate TV system. "Fine" — If you are not satisfied with the picture and sound quality, you may be able to improve them by using the "Fine" tuning feature. "Skip" — If you want to skip this program number when using PROG +/–, you can erase unwanted or unused channels. "Sensitivity" — If the TV signal is too strong and the picture is distorted, you can adjust the TV's reception sensitivity. "VHF Low/VHF High/UHF" — Select and adjust the frequency range.
	"Program Label"	Assigns labels (such as station names) to the preset channels.
	"Program Block"	Locks out specific channels. "Allow" — Allows programs and movies that are broadcast without a rating. "Block" — Blocks all programs and movies that are broadcast without a rating.
	"Program Sorting"	Changes the order of the preset channels.
"Setup" 🧰	"Video Label"	Assigns labels to the audio/video equipment connected to the TV. Select the input to which the audio/video equipment is connected. "Video 1", "Video 2", "Video 3", "Video 4", "HD/DVD 1", "HD/DVD 2" Select one of the prefixed labels or assign your own label in "Edit" for each input. "Video 1": "Video 1", "VCR", "SAT", "Game", "Edit" "Video 2": "Video 2", "VCR", "SAT", "Game", "Edit" "Video 3": "Video 3", "VCR", "SAT", "Game", "Edit" "Video 4": "Video 4", "VCR", "SAT", "Game", "Edit" "HD/DVD 1": "HD/DVD 1", "VCR", "SAT", "Game", "Edit" "HD/DVD 2": "HD/DVD 2", "VCR", "SAT", "Game", "Edit"
	"Language"	Changes the menu language: "English", "中文" (Chinese), "عربي" (Arabic), "ไทย" (Thai)
	"WEGA Theatre"	Select the input and the speaker to enjoy WEGA Theatre. "Direct Input": "Video 1", "Video 2", "Video 3", "Video 4", "HD/DVD 1", "HD/DVD 2" "Speaker": "Main", "Center In"

Menu icon	Option	Description	
	"Image Shift"	Corrects the image on the projection TV.	
		"Auto"	(Factory setting) Automatically corrects double images.
		"Level 1-4"	Select a level from 1-4 to align images and improve the picture.
	"High Altitude"	Activates or deactivates the high altitude mode.	
		"On"	Select to use the projection TV at an altitude of 1,500 m or higher.
		"Off"	Select to use the projection TV at normal altitude.
	"Color System"	Select the color system:	
		"Auto", "PAL", "SECAM", "NTSC3.58", "NTSC4.43"	

1) You can access "Picture", "Brightness", "Color", "Hue" and "Sharpness" settings by selecting "Personal" for "Picture Mode".
   When the "Personal" mode is selected, the last adjusted picture setting in the "Picture" menu is received (see page 71).
2) You can adjust "Hue" for the NTSC color system only.
3) Licensed by BBE Sound, Inc. under USP4638258, 4482866.
   "BBE" and BBE symbol are trademarks of BBE Sound, Inc.

ʊ̈ **Tips**
• For details on the options under the "DRC-MF" and "Picture Mode" modes, see pages 31 and 32, respectively.
• When high-definition (HD) or progressive signals are input, "DRC-MF" does not function.
• Some items of the "Picture" menu are not available for the pictures stored in a "Memory Stick".
• For details on the options under the "Sound Mode" and "Surround" modes, see pages 31 and 41, respectively.

Notes
• You cannot change the "BBE" mode when the TV is in the center speaker mode (see page 47).
• "4:3 Default" does not function when "Auto Wide" is set to "Off".
• When a 720p or 1080i format signal is received, the picture is always displayed in "Full" mode.

To restore the initial settings
Press the RESET button on the remote.
The settings other than the following items in the menu can be reset by using the RESET button:
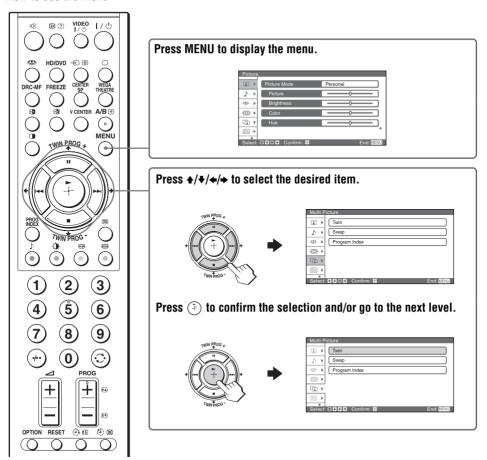– "Manual Program" items
– "Program Block"
– "Memory Stick Menu" items
– "Personal" in "Picture Mode"/"Sound Mode"
– "Program Label"
– "Video Label"
– "Language"
– "Direct Input" in "WEGA Theatre"
– "Image Shift"
– "High Altitude"
– "Color System"

How to use the menu

Press MENU to display the menu.

Picture		
	Picture Mode	Personal
	Picture	
	Brightness	
	Color	
	Hue	

Select: �△◊◊◊ Confirm: ⊞ End: MENU

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

Multi Picture	
	Twin
	Swap
	Program Index

Select: ◊◊◊◊ Confirm: ⊞ End: MENU

Press ⊕ to confirm the selection and/or go to the next level.

Multi Picture	
	Twin
	Swap
	Program Index

Select: ◊◊◊◊ Confirm: ⊞ End: MENU

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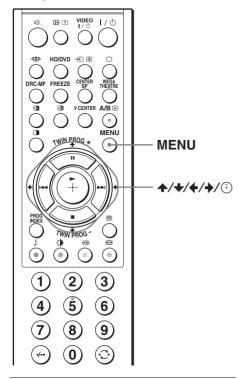
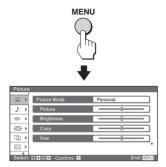| To	Press
Adjust the setting value	▲/▼/◄/►.
Move to the next/previous menu level	◄/►.
Cancel the menu	MENU.

Note

If no buttons are pressed for more than 90 seconds after the last menu operation, menu screens other than "Memory Stick Menu" automatically disappear.
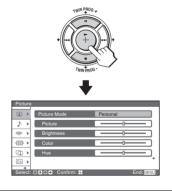
Changing the "Picture" setting

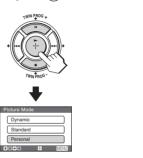The "Picture" menu allows you to adjust the picture setting, view higher quality pictures and reduce picture noise.

MENU

▲/▼/◀/▶/⊕

1 Press MENU.

MENU

Picture		
Picture Mode	Personal	
Picture		
Brightness		
Color		
Hue		
Select:	Confirm:	End: MENU

2 Press ▲/▼ to select ⬛, then press ⊕.

Picture		
Picture Mode	Personal	
Picture		
Brightness		
Color		
Hue		
Select:	Confirm:	End: MENU

3 Press ▲/▼ to select the desired option (see page 65), then press ⊕.

Picture Mode
Dynamic
Standard
Personal
MENU

To return to the normal screen
Press MENU.

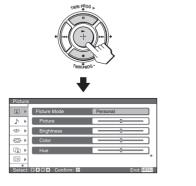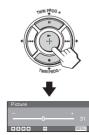**Adjusting Your Setup (MENU)**

Adjusting the picture adjustment options

You can access "Picture", "Brightness", "Color", "Hue" and "Sharpness" settings by selecting "Personal" for "Picture Mode".

1 After selecting "Picture Mode", press ▲/▼ to select "Personal", then press ⊕.

2 Press ▲/▼ to select (e.g., "Picture"), then press ⊕.

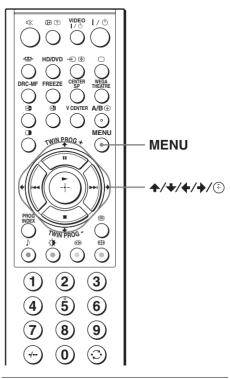**3** Adjust the value or select the desired option, then press ⊕.

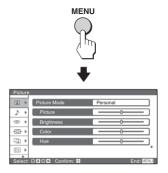**4** Repeat steps 2 and 3 to adjust other items.
The adjusted settings will be received when you select "Personal".

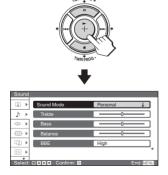# Changing the "Sound" setting

The "Sound" menu allows you to adjust the sound setting and adjust the volume automatically. You can also listen to the sound with surround effect.
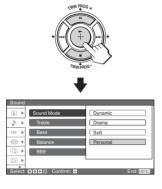

MENU

▲/▼/◄/►/⊕

1 Press MENU.

2 Press ↑/↓ to select ♩, then press ⊕.

Sound		
🖼 ▶	Sound Mode	Personal ↕
♩ ▶	Treble	─────○───
👁 ▶	Bass	─────○───
⬚ ▶	Balance	─────○───
📺 ▶	BBE	High
Ch ▶		
Select: ⬆⬇⬅➡ Confirm: ⊞		End: MENU

3 Press ↑/↓ to select the desired option (see page 67), then press ⊕.

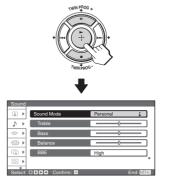| Sound		
🖼 ▶	Sound Mode	Dynamic
♩ ▶	Treble	Drama
👁 ▶	Bass	Soft
⬚ ▶	Balance	Personal
📺 ▶	BBE	
Ch ▶		
Select: ⬆⬇⬅➡ Confirm: ⊞		End: MENU

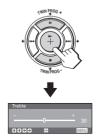**To return to the normal screen**
Press MENU.

Adjusting the sound adjustment options

You can access "Treble", "Bass" and "BBE" settings by selecting "Personal" for "Sound Mode".

1 After selecting "Sound Mode", press ↑/↓ to select "Personal", then press ⊕.

Sound		
🖼 ▶	Sound Mode	Personal ↕
♩ ▶	Treble	─────○───
👁 ▶	Bass	─────○───
⬚ ▶	Balance	─────○───
📺 ▶	BBE	High
Ch ▶		
Select: ⬆⬇⬅➡ Confirm: ⊞		End: MENU

2 Press ↑/↓ to select (e.g., "Treble"), then press ⊕.

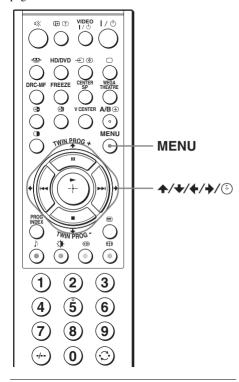| Treble		
−	────●────	+ 30
⬆⬇⬅➡	⊞	MENU

3 Adjust the value or select the desired option, then press ⊕.

4 Repeat steps 2 and 3 to adjust other items.
The adjusted settings will be received when you select "Personal".
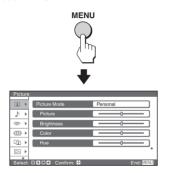
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Entering the "Memory Stick Menu"

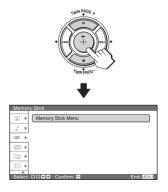The "Memory Stick Menu" allows you to view still pictures and movies stored in a "Memory Stick".

Insert a "Memory Stick" into the "Memory Stick" slot. For details on using a "Memory Stick", see page 48.
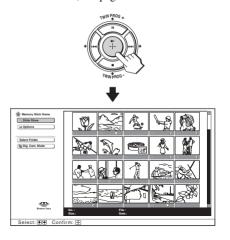

MENU

▲/♦/♦/➜/⊕

1 Press MENU.

MENU

Picture		
Picture Mode	Personal	
Picture		
Brightness		
Color		
Hue		

Select: ⬆⬇⬅➡ Confirm: ⊞   End: MENU

2 Press ▲/♦ to select ⬇ , then press ⊕ .

Memory Stick	
	Memory Stick Menu

Select: ⬆⬇⬅➡ Confirm: ⊞   End: MENU

3 Make sure that "Memory Stick Menu" is selected, then press ⊕ .

For details on the options under the "Memory Stick Menu", see page 52.

Memory Stick Home
Slide Show
Options
Select Folder
Dig. Cam. Mode

No. :   File :
Size :   Date :
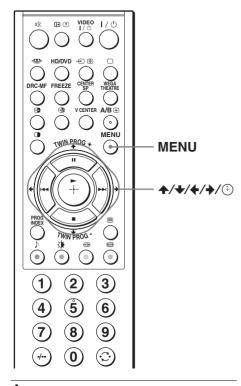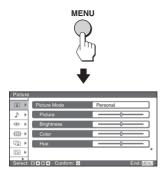
Select: ⬅➡ Confirm: ⊞

ϔ Tip
If you select the "Memory Stick Menu" in the Twin or Program Index mode, the Twin or Program Index mode is canceled.
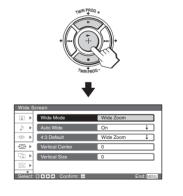
Changing the "Wide Screen" setting

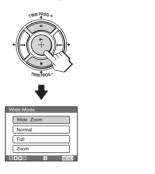The "Wide Screen" menu allows you to watch the picture filling the 16:9 screen of the projection TV.

MENU

▲/▼/◄/►/⊕

1 Press MENU.

MENU

Picture		
🖼 ►	Picture Mode	Personal
♪ ►	Picture	
⟷ ►	Brightness	
⟺ ►	Color	
📺 ►	Hue	
Ch ►		

Select: ⊕⊕⊕⊕ Confirm: ⊞ End: MENU

2 Press ▲/▼ to select 🖵, then press ⊕.

Wide Screen		
🖼 ►	Wide Mode	Wide Zoom
♪ ►	Auto Wide	On
⟷ ►	4:3 Default	Wide Zoom
⟺ ►	Vertical Center	0
📺 ►	Vertical Size	0
Ch ►		

Select: ⊕⊕⊕⊕ Confirm: ⊞ End: MENU

3 Press ▲/▼ to select the desired option (see page 67), then press ⊕.

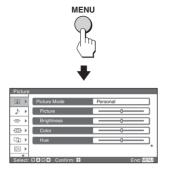| Wide Mode |
|---|
| Wide Zoom |
| Normal |
| Full |
| Zoom |

⊕⊕⊕⊕ ⊞ MENU

To return to the normal screen
Press MENU.

Operating the "Multi Picture" using the menu
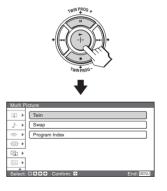
The "Multi Picture" menu allows you to use the Twin pictures, or Program Index feature.
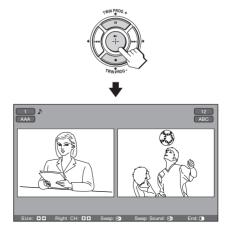

1 Press MENU.

MENU

Picture		
🖼 ▶	Picture Mode	Personal
♪ ▶	Picture	
👁 ▶	Brightness	
🖷 ▶	Color	
🖾 ▶	Hue	
Ch ▶		

Select: ⬆⬇⬅➡ Confirm: 🔲   End: MENU

2 Press ▲/▼ to select 🖾, then press 🔆.

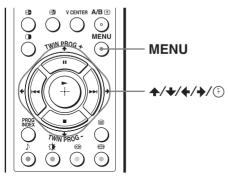| Multi Picture		
🖾 ▶	Twin	
♪ ▶	Swap	
👁 ▶	Program Index	
🖷 ▶		
🖾 ▶		
Ch ▶		

Select: ⬆⬇⬅➡ Confirm: 🔲   End: MENU

3 Press ▲/▼ to select the desired option (see page 68), then press 🔆.

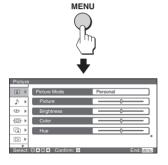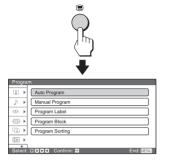The menu screen disappears automatically, and the selected "Multi Picture" screen appears.

1 ♪		12
AAA		ABC

Size: ⬅➡ Right CH: ⬆⬇ Swap: 🔲 Swap Sound: 🔲 End: ◼

Changing the "Program" setting

The "Program" menu allows you to preset the channels.

1 Press MENU.

MENU

Picture		
Picture Mode	Personal
Picture	
Brightness	
Color	
Hue	

Select: Confirm: End: MENU
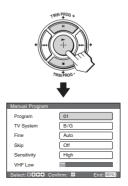
2 Press ▲/▼ to select [Ch], then press ⊕.

Program	
Auto Program	
Manual Program	
Program Label	
Program Block	
Program Sorting	

Select: Confirm: End: MENU

3 Press ▲/▼ to select the desired option, then press ⊕.

Presetting channels manually
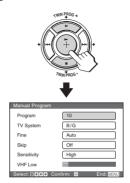
1 After selecting [Ch], press ▲/▼ to select "Manual Program", then press ⊕.

Manual Program	
Program	01
TV System	B/G
Fine	Auto
Skip	Off
Sensitivity	High
VHF Low	

Select: Confirm: End: MENU

2 Select the program number to which you want to preset a channel.

① Make sure the setting item for "Program" is selected, then press ⊕.

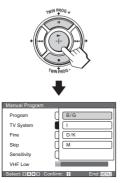| Manual Program	
Program	01
TV System	B/G
Fine	Auto
Skip	Off
Sensitivity	High
VHF Low	

Select: Confirm: End: MENU

② Press ▲/▼ until the program number you want to preset (e.g., program number "10") appears on the menu, then press ⊕.

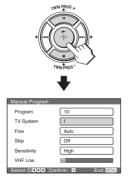| Manual Program	
Program	10
TV System	B/G
Fine	Auto
Skip	Off
Sensitivity	High
VHF Low	

Select: Confirm: End: MENU

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3 **If the sound of the desired channel is abnormal, select the appropriate TV system.**
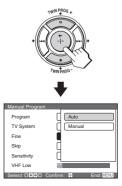
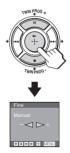① Press ♠/♦ to select the setting item for "TV System", then press ⊕.

Manual Program	
Program	B/G
TV System	I
Fine	D/K
Skip	M
Sensitivity	
VHF Low	
Select: ⬤⬤⬤⬤ Confirm: ⬛ End: MENU	

② Press ♠/♦ until the sound becomes normal, then press ⊕.

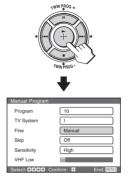| Manual Program	
Program	10
TV System	I
Fine	Auto
Skip	Off
Sensitivity	High
VHF Low	
Select: ⬤⬤⬤⬤ Confirm: ⬛ End: MENU	

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 ♠/♦ to select the setting item for "Fine", then press ⊕.

Manual Program	
Program	Auto
TV System	Manual
Fine	
Skip	
Sensitivity	
VHF Low	
Select: ⬤⬤⬤⬤ Confirm: ⬛ End: MENU	

② Press ♠/♦ to select "Manual", then press ⊕.

Fine
Manual
− ◁ ▷ +
⬤⬤⬤⬤ ⬛ MENU
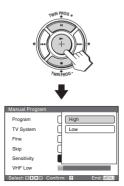
③ Press ♠/♦/◄/► until the picture and sound quality are optimal, then press ⊕.

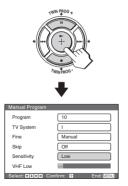| Manual Program	
Program	10
TV System	I
Fine	Manual
Skip	Off
Sensitivity	High
VHF Low	
Select: ⬤⬤⬤⬤ Confirm: ⬛ End: MENU	

5 If the TV signal is too strong and the picture is distorted, you can adjust the TV's reception sensitivity.

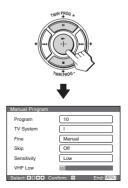① Press ▲/▼ to select the setting item for "Sensitivity", then press ⊕.

Manual Program	
Program	High
TV System	Low
Fine	
Skip	
Sensitivity	
VHF Low	
Select: ⊕⊕⊕⊕ Confirm: ⊞ End: MENU	

② Press ▲/▼ to select "Low", then press ⊕.

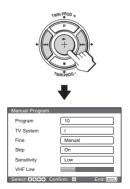| Manual Program	
Program	10
TV System	I
Fine	Manual
Skip	Off
Sensitivity	Low
VHF Low	
Select: ⊕⊕⊕⊕ Confirm: ⊞ End: MENU	

6 Press ▲/▼ to select the desired channel.

① Press ▲/▼ to select the bar indicator for "VHF Low", "VHF High" or "UHF", then press ⊕.

Manual Program	
Program	10
TV System	I
Fine	Manual
Skip	Off
Sensitivity	Low
VHF Low	
Select: ⊕⊕⊕⊕ Confirm: ⊞ End: MENU	

② Press ◄/► until the desired channel's broadcast appears on the TV screen, then press ⊕.

Manual Program	
Program	10
TV System	I
Fine	Manual
Skip	On
Sensitivity	Low
VHF Low	
Select: ⊕⊕⊕⊕ Confirm: ⊞ End: MENU	

☿ Tip
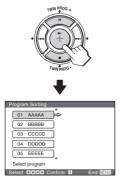All settings are memorized for each program number.

Note
If there is a locked channel (see page 83), while you are presetting in "VHF Low" and "Fine" mode, that channel will be unlocked automatically.
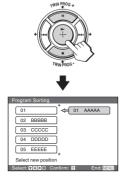
Adjusting Your Setup (MENU)

Changing the order of the preset channels ("Program Sorting")

After performing "Auto Program" or "Manual Program", you can change the preset channel assigned to each program number as you like.
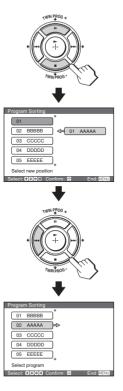
1 After selecting ⌷Ch⌷ press ▲/▼ to select "Program Sorting", then press ⊕.


```
Program Sorting
  01  AAAAA   ⇨
  02  BBBBB
  03  CCCCC
  04  DDDDD
  05  EEEEE
Select program
Select: ◆◆◆◆  Confirm: ▦      End: MENU
```

2 Press ▲/▼ to select the desired program number, then press ⊕.


```
Program Sorting
  01           ⇦ 01  AAAAA
  02  BBBBB
  03  CCCCC
  04  DDDDD
  05  EEEEE
Select new position
Select: ◆◆◆◆  Confirm: ▦      End: MENU
```

3 Press ▲/▼ to select the program number to which you want to assign another channel, then press ◄.


```
Program Sorting
  01
  02  BBBBB   ⇦ 01  AAAAA
  03  CCCCC
  04  DDDDD
  05  EEEEE
Select new position
Select: ◆◆◆◆  Confirm: ▦      End: MENU
```



```
Program Sorting
  01  BBBBB
  02  AAAAA   ⇨
  03  CCCCC
  04  DDDDD
  05  EEEEE
Select program
Select: ◆◆◆◆  Confirm: ▦      End: MENU
```
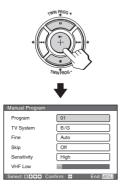
4 To change the channels assigned to other program numbers, repeat steps 2 to 3.

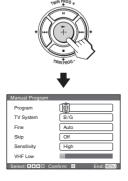**To return to the normal screen**
Press MENU.

Skipping unwanted or unused channels ("Skip")

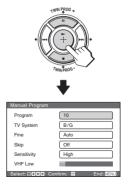After performing automatic channel presetting, you can erase unwanted or unused channels.

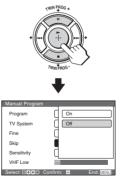**1** After selecting ⌷Ch⌷, press ▲/▼ to select "Manual Program", then press ⊕.

Manual Program	
Program	01
TV System	B/G
Fine	Auto
Skip	Off
Sensitivity	High
VHF Low	

Select: ◄◆◆► Confirm: ⊞   End: MENU

2 Make sure the setting item for "Program" is selected, then press ⊕.

Manual Program	
Program	01
TV System	B/G
Fine	Auto
Skip	Off
Sensitivity	High
VHF Low	

Select: ◄◆◆► Confirm: ⊞   End: MENU
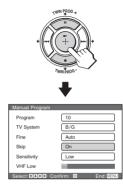
3 Press ▲/▼ until the unused or unwanted channel number appears, then press ⊕.

Manual Program	
Program	10
TV System	B/G
Fine	Auto
Skip	Off
Sensitivity	High
VHF Low	

Select: ◄◆◆► Confirm: ⊞   End: MENU

4 Press ▲/▼ to select the setting item for "Skip", then press ⊕.

Manual Program	
Program	On
TV System	Off
Fine	
Skip	
Sensitivity	
VHF Low	

Select: ◄◆◆► Confirm: ⊞   End: MENU

5 Press ▲/▼ to select "On", then press ⊕.

Manual Program	
Program	10
TV System	B/G
Fine	Auto
Skip	On
Sensitivity	Low
VHF Low	

Select: ◄◆◆► Confirm: ⊞   End: MENU

Adjusting Your Setup (MENU)

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6 To disable other channels, select the setting item for "Program", then repeat steps 2 to 5.
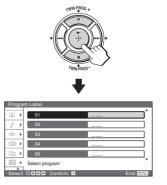
To restore the skipped channel
Select "Off" in step 5.
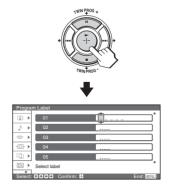
To return to the normal screen
Press MENU.

Assigning labels to the preset channels ("Program Label")

You can assign a label (such as a station name) of up to 5 characters to each preset channel.

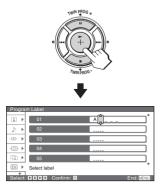**1** After selecting ⌧, press ▲/▼ to select "Program Label", then press ⊕.

2 Press ▲/▼ to select the channel you want to assign a label, then press ⊕.

3 Press ♠/♦ to scroll through the label characters (A to Z, 0 to 9, etc.), then press ⊕ to confirm the highlighted character.

To insert a blank, press ➜ to move to the next input position.

To change the confirmed character, press ◄ to highlight it, then press ♠/♦ to select the correct character.
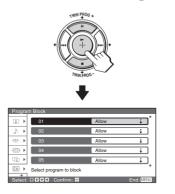

4 Repeat step 3 to add up to 5 characters to the label.

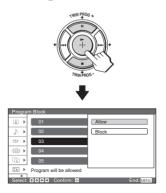## 5 To assign labels to other channels, select the setting item for "Program", then repeat steps 2 to 4.

To return to the normal screen

Press MENU.

Blocking channels ("Program Block")

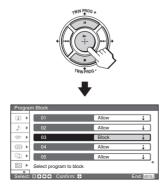## 1 After selecting ⌷Ch⌷, press ♠/♦ to select "Program Block", then press ⊕.

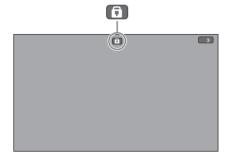## 2 Press ♠/♦ to select the desired channel, then press ⊕.

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3 Press ▲/▼ to select "Block", then press ⊕.
To unlock the channel, select "Allow".

If a locked channel is selected, the lock symbol (🔒) appears on the screen.

4 To lock other channels, repeat steps 2 and 3.
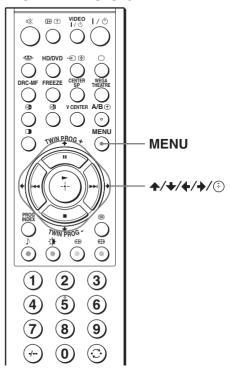
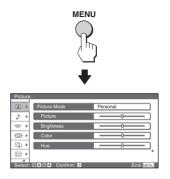### To return to the normal screen
Press MENU.

Note

If you preset a locked channel manually (see page 77), that channel will be unlocked automatically.
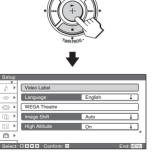
Changing the "Setup" setting

The "Setup" menu allows you to adjust the setup of your projection TV. For example, you can change the menu language, preset channels, etc.

MENU

▲/▼/◀/▶/⊕

1 Press MENU.

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2 Press ▲/▼ to select ⛭, then press ⊕.

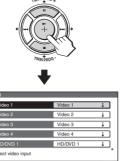| Setup		
♪ ▸	Video Label	
👁 ▸	Language	English ↕
🖥 ▸	WEGA Theatre	
📺 ▸	Image Shift	Auto ↕
Ch ▸	High Altitude	On ↕
⛭ ▸		
Select: ◘◘◘◘ Confirm: ⊞		End: MENU

3 Press ▲/▼ to select the desired option (see page 68), then press ⊕.

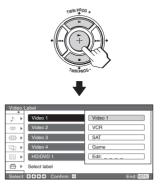**To return to the normal screen**
Press MENU.

Assigning labels to the connected audio/video equipment ("Video Label")

You can assign one of the prefixed labels (such as "VCR" and "SAT") or your favorite label to the audio/video equipment connected to the video inputs of the projection TV.
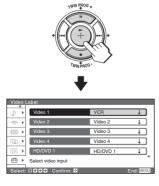
1 After selecting ⛭, make sure "Video Label" is selected, then press ⊕.

Video Label		
♪ ▸	Video 1	Video 1 ↕
👁 ▸	Video 2	Video 2 ↕
🖥 ▸	Video 3	Video 3 ↕
📺 ▸	Video 4	Video 4 ↕
Ch ▸	HD/DVD 1	HD/DVD 1 ↕
⛭ ▸	Select video input	
Select: ◘◘◘◘ Confirm: ⊞		End: MENU

2 Press ▲/▼ to select the video input you have connected the equipment you want to assign a label, then press ⊕.

Video Label		
♪ ▸	Video 1	Video 1
👁 ▸	Video 2	VCR
🖥 ▸	Video 3	SAT
📺 ▸	Video 4	Game
Ch ▸	HD/DVD 1	Edit: _ _ _ _
⛭ ▸	Select label	
Select: ◘◘◘◘ Confirm: ⊞		End: MENU

Adjusting Your Setup (MENU)

3 Press ▲/▼ to select one of the prefixed labels, then press ⊕.

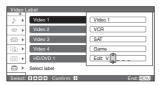| Video Label		
♪ ▸	Video 1	VCR ↓
⟲ ▸	Video 2	Video 2 ↓
⟳ ▸	Video 3	Video 3 ↓
⟳ ▸	Video 4	Video 4 ↓
ch ▸	HD/DVD 1	HD/DVD 1 ↓
⟴ ▸	Select video input	
Select: ⬦⬦⬦⬦ Confirm: ⊞		End: MENU

4 To assign labels to other equipment, repeat steps 2 and 3.

To return to the normal screen
Press MENU.

To assign your favorite label

1 Follow steps 1 to 2 on page 85 and select "Edit" in step 2, then press ⊕.

2 Press ▲/▼ to scroll through the label characters (A to Z, 0 to 9, etc.), then press ⊕ to confirm the highlighted character.

Video Label		
♪ ▸	Video 1	Video 1
⟲ ▸	Video 2	VCR
⟳ ▸	Video 3	SAT
⟳ ▸	Video 4	Game
ch ▸	HD/DVD 1	Edit: V
⟴ ▸	Select label	
Select: ⬦⬦⬦⬦ Confirm: ⊞		End: MENU

To insert a blank, press ➡ to move to the next input position.
To change the confirmed character, press ◀ to highlight it, then press ▲/▼ to select the correct character.

3 Repeat step 2 to add up to 5 characters to the label.

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Troubleshooting

If you have any problem while viewing your projection TV, please check the following troubleshooting guide. If the problem persists, contact your Sony dealer.

Symptom	Possible cause	Solutions	Page
Snowy picture **Noisy sound** 	• The connection is loose or the cable is damaged.	• Check the antenna cable and connection on the projection TV, VCR and on the wall.	13
	• Channel presetting is inappropriate or incomplete.	• Display the "Program" menu and select "Manual Program" to preset the channel again.	77
	• 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 **Noisy sound** 	• Broadcast signals are too strong.	• Display the "Program" menu and select "Manual Program". Then, select "Low" for "Sensitivity". • Turn off or disconnect the booster if it is in use.	77 –
Good picture **Noisy sound** 	• The TV system setting is inappropriate.	• If the sound of all the channels are noisy, display the "Program" menu and select "Auto Program" to preset the channels again. • If the sound of some channels is noisy, select the channel, then display the "Program" menu and select "Manual Program". Then, select the appropriate TV system ("TV System").	77 77

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| Symptom	Possible cause	Solutions	Page
No picture	• The power cord, antenna or VCR is not connected.	• Check the power cord, antenna and the VCR connections.	13
No sound	• The projection TV is not turned on.	• Press $\mathbf{I}$/$\circlearrowleft$ on the remote. • Press $\circlearrowleft$ on the projection TV to turn off the projection TV for about five seconds, then turn it on again.	28
Good picture	• The volume level is too low.	• Press $\angle$ + to increase the volume level.	29
	• The sound is muted.	• Press ⬛✕ to cancel the muting.	29
No sound	• The broadcast signal has a transmission problem.	• Press A/B ⊜ until a better sound is heard.	41
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 projection TV. • Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice.	– –
Double images or "ghosts"	• Broadcast signals are reflected by nearby mountains or buildings.	• Use a highly directional antenna. • Use the fine tuning ("Fine") function.	– 77
	• 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 "Personal" of "Picture Mode", then adjust the "Color" level.	71
	• The color system setting is inappropriate.	• Display the "Setup" menu and check the color system ("Color System") setting (usually set this to "Auto").	84
	• The antenna direction needs adjustment.	• Adjust the antenna direction. Contact a Sony dealer for advice.	–
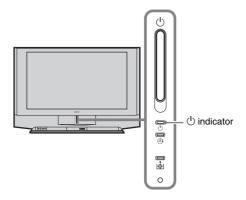
Symptom	Possible cause	Solutions	Page
Projection TV cannot receive stereo broadcast signal.	• The stereo reception setting is inappropriate.	• Press A/B ⬍ until "Auto" appears on the screen.	41
	• The sound of the right picture is selected when Twin pictures are displayed.	• Press ⬚ or ▢.	37
Stereo broadcast sound switches on and off or is distorted. **or** **The sound switches between stereo and monaural frequently.**	• The connection is loose or the cable is damaged.	• Check the antenna cable and connection on the projection TV, VCR and on the wall.	13
	• The antenna direction needs adjustment.	• Adjust the antenna direction. Contact a Sony dealer for advice.	–
	• The broadcast signal has a transmission problem.	• Press A/B ⬍ until a better sound is heard.	41
"100" appears at the top of the screen after approximately 10 seconds and there is no Teletext display.	• The channel carries no Teletext broadcast.	—	42
Teletext display is incomplete (snowy picture or double images).	• Connection is loose or the cable is damaged.	• Check the antenna cable and connection on the projection TV, VCR, and at the wall.	13
	• The antenna direction is inappropriate.	• Adjust the antenna direction. Contact a Sony dealer for advice.	–
	• Signal transmission is too low.	• Try using a booster. • Use the fine tuning ("Fine") function.	– 77
Lines moving across the TV screen.	• There is interference from external sources, e.g., heavy machinery, nearby broadcast station.	• Use the fine tuning ("Fine") function.	77
The wide screen mode changes spontaneously when "Auto Wide" is "On".	• During a transition between two programs, the TV detects the optimum wide screen mode. During this period, an irregular wide screen mode may appear.	—	33
	• The wide screen mode is switched automatically according to the received signal with an ID-1 or WSS signal.	—	33
	• The Auto Wide feature stops working temporarily when you have pressed ⊕, and functions again after a while.	• To fix in the manually selected wide screen mode, set "Auto Wide" to "Off" in the "Wide Screen" menu.	75

Symptom	Possible cause	Solutions	Page
The images in the "Memory Stick" are not displayed.	• The "Memory Stick" is inserted inappropriately.	• Insert the "Memory Stick" correctly.	50
	• The "Memory Stick Menu" is not displayed.	• Press ⏏.	52
	• No photo or movie files are contained in the "Memory Stick".	• Insert a "Memory Stick" with photo or movie files.	50
	• The photo or movie image is processed by a computer.	• Set "Digi. Cam. Mode" to "Off" and select the folder.	61
"No Memory Stick" is displayed.	• The "Memory Stick" is inserted inappropriately.	• Insert the "Memory Stick" correctly.	50
"Memory Stick error" is displayed.	• The "Memory Stick" is irregular.	• Remove the "Memory Stick" and insert it again.	50
	• The "Memory Stick" may be broken.	• Insert another "Memory Stick".	50
"File error" is displayed.	• The name of the selected folder is not correct.	• Change the folder name to 66 characters or less.	48
"Format error" is displayed.	• The "Memory Stick" is not formatted correctly.	• Format it correctly using a digital camera or other equipment, or insert another "Memory Stick" formatted correctly.	48
"Too many files." is displayed.	• When "Digi. Cam. Mode" is set to "On", 2,000 files or less can be displayed.	• Set "Digi. Cam. Mode" to "Off" and select the folder.	61
"Memory Stick type error" is displayed.	• The inserted "Memory Stick" is not available for use with this TV.	• Insert a "Memory Stick" available for use with this TV.	50
"No files that can be displayed." is displayed. or	• No photo or movie files available for playback are contained in the selected folder of the "Memory Stick" when "Digi. Cam. Mode" is set to "On".	• Set "Digi. Cam. Mode" to "Off" and select the folder.	61
"No files in this folder that can be displayed." is displayed.	• No photo or movie files available for playback are contained in the selected folder of the "Memory Stick" when "Digi. Cam. Mode" is set to "Off".	• Select another folder that contains photo or movie files.	61
The file name is not displayed correctly.	• The file name has been processed by a computer.	—	48

Symptom	Possible cause	Solutions	Page
"Memory Stick locked" is displayed.	• The erasure prevention switch of the "Memory Stick" is in the LOCK position.	• Unlock the switch.	48
"No movie file" is displayed.	• "Show Movies" is selected from "Filter" of the "Options" menu and no movie files are contained in the selected folder.	• Select the folder with movie files.	63
"No still file" is displayed.	• "Show Stills" is selected from "Filter" of the "Options" menu and no still image files are contained in the selected folder.	• Select the folder with still image files.	63
"Playback has been stopped. The file is damaged." is displayed.	• The data in the movie file is broken.	—	–
Cannot play shooting games.	• Some shooting games which involve pointing a light beam at the projection 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.	—	–
Projection TV cabinet creaks.	• Changes in room temperature sometimes make the projection TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.	—	–
Static discharge is felt when touching the projection TV cabinet.	• This is the same static discharge that is felt when touching metal door handles or car doors especially when the air is dry, for example in winter. This does not indicate a malfunction.	—	–
The lamp does not illuminate even after replacement.	• The screws of the lamp cover may not be attached squarely.	• Loosen the screws and retighten, making sure they are squarely attached.	16

Self-diagnosis function

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

⏻ indicator

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

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

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3 **Unplug the AC power cord from the wall outlet.**

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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 projection TV.

Specifications

Projection system	3 LCD Panels, 1 lens projection system
LCD Panel	0.87 inch TFT LCD panel Approx. 3.28 million dots (1,042,168 pixels)
Projection lenses	High performance, large-diameter highbrid lens F2.4
Lamp	KF-WE42 (S1, A1)/KF-WE50 (S1, A1): UHP lamp, 100 W, XL-2100 KF-WS60 (S1, A1): UHP lamp, 120 W, XL-2300
Screen size	KF-WE42 (S1, A1): 42 inches (1052 mm) KF-WE50 (S1, A1): 50 inches (1255 mm) KF-WS60 (S1, A1): 60 inches (1511 mm)
Television system	B/G, I, D/K, M
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58
Stereo/Bilingual system	NICAM Stereo/Bilingual B/G, I, D/K; A2 stereo/Bilingual (German) B/G

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

⊓ (Antenna)	75-ohm external terminal for VHF/UHF
Audio output (Speaker)	5 W + 5 W, 20 W (Woofer)

Number of terminal	⊙ (Video)	Input: 4 Output: 1	Phono jacks; 1 Vp-p, 75 ohms unbalanced, sync negative
	♪ (Audio)	Input: 6 Output: 1	Phono jacks; 500 mVrms (100% modulation) Impedance: 47 kiloohms
	⊶ (S Video)	Input: 4	Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms
	⊶ (Component Video)	Input: 2	Phono jacks Y: 1 Vp-p, 75 ohms unbalanced, sync negative P_B/C_B: 0.7 Vp-p, 75 ohms P_R/C_R: 0.7 Vp-p, 75 ohms Audio: 500 mVrms
	▷←c- (Center Speaker)	Input: 1	120 W max., 8 ohms
	⌒ (Headphones)	Output: 1	Stereo minijack

Power requirements	220-240 V AC, 50/60 Hz	
Power consumption	In use	KF-WE42 (S1, A1)/KF-WE50 (S1, A1): 210 W KF-WS60 (S1, A1): 230 W
	In standby	Less Than 1 W
Dimensions (W/h/d)	KF-WE42 (S1, A1): 1200 × 818 × 339 mm KF-WE50 (S1, A1): 1376 × 927 × 403 mm KF-WS60 (S1, A1): 1574 × 1005 × 518 mm	
Mass	KF-WE42 (S1, A1): 32 kg KF-WE50 (S1, A1): 38 kg KF-WS60 (S1, A1): 50 kg	

Design and specifications are subject to change without notice.

Additional Information

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Additional Information