SONY

Trinitron Color TV

Operating Instructions

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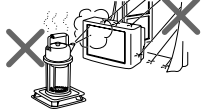
WEGA

KV-SW21
KV-BZ21

M83
M80

© 2005   Sony Corporation
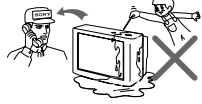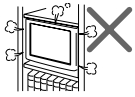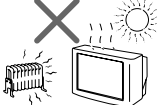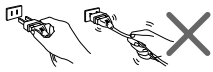
A Specifications

	KV-SW21M83	KV-SW21M80	KV-BZ21M80	Note
Power requirements	110-240 V AC, 50/60 Hz			
Power consumption (W)	Indicated on the rear of the TV			
Television system	B/G, I, D/K, M			
Color system	PAL, PAL 60, SECAM, NTSC3.58, NTSC4.43			
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			
Audio output (Speaker)	4 W + 4 W	5 W + 5 W	3 W + 3 W	
3D Woofer	12 W	—		
Number of terminal **(Video)**	Input: 2 Output: 1 Phono jacks; 1 Vp-p, 75 ohms			
(Audio)	Input: 3 Output: 1 Phono jacks; 500 mVrms			
(Component Video)	Input: 1 Phono jacks; Y: 1 Vp-p, 75 ohms, sync negative C_B: 0.7 Vp-p, 75 ohms C_R: 0.7 Vp-p, 75 ohms			
(Headphone)	Output: 1 Stereo minijack			
Picture tube	21 in.			
Tube size (cm)	54			Measured diagonally
Screen size (cm)	51			Measured diagonally
Dimensions (w/h/d, mm)	647 × 533 × 530	647 × 469 × 509	497 × 468 × 494	
Mass (kg)	29	25	23	

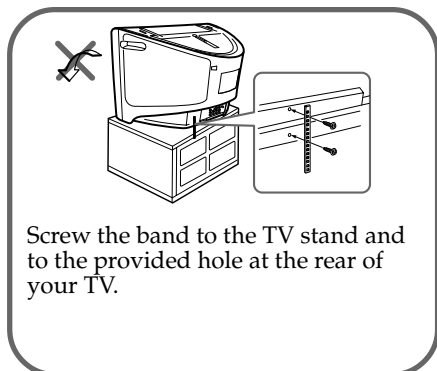Design and specifications are subject to change without notice.

B WARNING

- Dangerously high voltages are present inside the TV.
- TV operating voltage: 110 – 240 V AC.
- Do not plug in the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid leaks from the batteries and touches your skin, immediately wash it away with water.
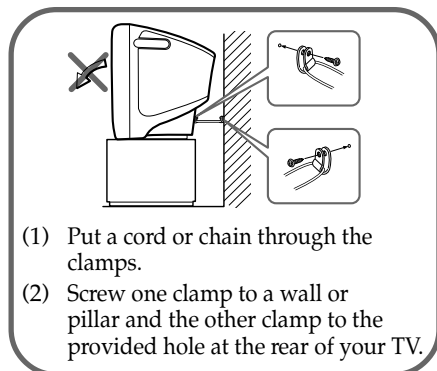
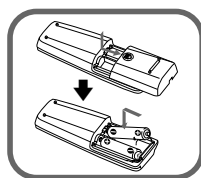|		
For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.	For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.	To prevent fire or shock hazard, do not expose the TV to rain or moisture.
Do not place any objects on the 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.	Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.	Install the TV on a stable TV stand and floor which can support the TV set weight. Ensure that the TV stand surface is flat and its area is larger than the bottom area of the TV.
Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.	Your TV is recommended for home use only. Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.	Do not plug in too many appliances to the same power socket. Do not damage the power cord.
Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.	Clean the TV with a dry and soft cloth. Do not use benzine, thinner, or any other chemicals to clean the TV. Do not attach anything (e.g., adhesive tape, cellophane tape, glue) on the painted cabinet of the TV. Do not scratch the picture tube.	Pull the power cord out by the plug. Do not pull the power cord itself. Even if your TV is turned off, it is still connected to the AC power source (mains) as long as the power cord is plugged in. Unplug the TV before moving it or if you are not going to use it for several days.

C Securing the TV

To prevent the TV from falling, use the supplied screws, clamps and band to secure the TV. Use only the supplied screws. Use of other screws may damage the TV.

20 mm
3.8 mm
screws   **clamps**   **band**

Screw the band to the TV stand and to the provided hole at the rear of your TV.

or

(1) Put a cord or chain through the clamps.
(2) Screw one clamp to a wall or pillar and the other clamp to the provided hole at the rear of your TV.
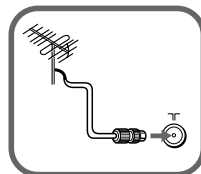
D Getting Started

Step 1

Insert the batteries (supplied) into the remote.

Note
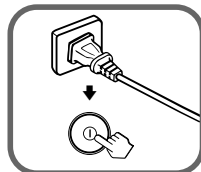• Do not use old or different types of batteries together.

Step 2

Connect the antenna cable (not supplied) to ⊓⌐ (antenna input) at the rear of the TV.

Tip
• You can also connect your TV to other optional components (see **H**).

Step 3

Plug in the power cord, then press ① on the TV to turn it on.

Note
• The ⏻ (standby) indicator flashes green for a few seconds when turning on the TV. This does not indicate a malfunction.

Step 4

Initial Setup
Language: English
                   عربي

Select   Confirm   End

Set up the TV by following the instructions of the "Initial Setup" menu (see **E**).

E Setting up your TV ("Initial Setup")

When you turn on your TV for the first time, the "Initial Setup" menu will appear. You may change the menu language, preset the TV channels automatically and sort or edit the channels using the buttons on the remote control or TV top control panel.

1 Press ▲ or ▼ to select the desired menu language, then press ⊡.
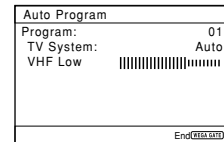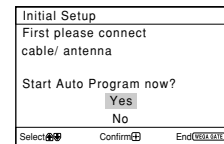
The selected menu language appears.

```
Initial Setup
Language:            English
                    عربي



Select▲▼    Confirm⊞    End WEGA GATE
```
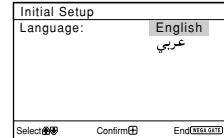
2 Press ▲ or ▼ to select "Yes", then press ⊡ to preset the channels automatically.

The screen will indicate automatic presetting is in progress.

After all available channels have been tuned and stored, the "Program Sorting/Edit" menu appears automatically on the screen.
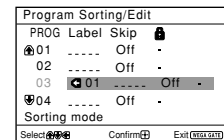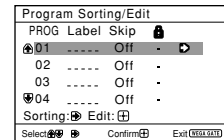
To skip automatic channel presetting, select "No", then press ⊡.

If the message "No channel found. Please connect cable/antenna" appears, check your TV connections, then press ⊡.

```
Initial Setup
First please connect
cable/ antenna

Start Auto Program now?
            Yes
            No
Select▲▼    Confirm⊞    End WEGA GATE
```

```
Auto Program
Program:                    01
 TV System:               Auto
 VHF Low    ||||||||||||||||||||||



                        End WEGA GATE
```

3 The "Program Sorting/Edit" menu enables you to sort and edit the channels.

a) If you wish to keep the channels in the current condition, press WEGA GATE to exit.

b) Press ▲ or ▼ to select the program number with the channel you wish to change. The selected channel will appear on the screen.

c) If you wish to store the channels in a different order:

1) Press ➡ to enter sorting mode.

2) Press ▲ or ▼ to select the new program number position for your selected channel, then press ◀.

```
Program Sorting/Edit
PROG Label Skip   🔒
▲01  -----  Off   ·   ➡
 02  -----  Off   ·
 03  -----  Off   ·
▼04  -----  Off   ·
Sorting:▶  Edit:⊞
Select▲▼  ▶    Confirm⊞    Exit WEGA GATE
```

```
Program Sorting/Edit
PROG Label Skip   🔒
▲01  -----  Off   ·
 02  -----  Off   ·
 03  ◀01  -----  Off   ·
▼04  -----  Off   ·
Sorting mode
Select▲▼◀▶    Confirm⊞    Exit WEGA GATE
```

Setting up your TV ("Initial Setup") (continued)

d) If you wish to edit the channels, press ⟨⊡⟩ to change to edit mode.
Press ➜ until the mode that you wish to edit is highlighted: Label, Skip, 🔒 (block symbol).
Then press ⟨⊡⟩.

```
Program Sorting/Edit
PROG  Label  Skip   🔒
🔺01   -----  Off    -
  02   -----  Off    -
  03   -----  Off    -
🔻04   -----  Off    -
Edit mode
Select⬆⬇⬅➡   Confirm⊞   Exit WEGA GATE
```

1) To label, press ♠ or ♦ to select the alphanumeric characters for the label. Then press ⟨⊡⟩.

2) To skip the program number, press ♠ or ♦ to select "On". Then press ⟨⊡⟩.

You can skip this program number when using PROG +/-.

```
Program Sorting/Edit
PROG  Label  Skip   🔒
🔺01   -----  Off    -
  02   -----  Off    -
  03   -----  Off    -
🔻04   -----  Off    -
Edit mode
Select⬆⬇⬅➡   Confirm⊞   Exit WEGA GATE
```

3) To block unwanted program number, press ♠ or ♦ to select 🔒. Then press ⟨⊡⟩.

```
Program Sorting/Edit
PROG  Label  Skip   🔒
🔺01   -----  Off    -
  02   -----  Off    -
  03   -----  Off    -
🔻04   -----  Off    -
Edit mode
Select⬆⬇⬅➡   Confirm⊞   Exit WEGA GATE
```

e) Repeat step b) to d) if you wish to change other channels.

Press WEGA GATE to go to the next menu.
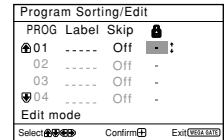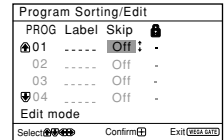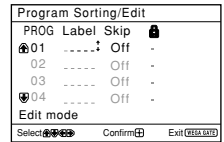
4 To prevent this "Initial Setup" menu from appearing again when you turn on the TV by pressing ①, press ♠ or ♦ to select "No", then press ⟨⊡⟩.

To allow this menu to appear again, select "Yes", then press ⟨⊡⟩.

```
Initial Setup

Display this menu next time?

        Yes
        No

Select⬆⬇   Confirm⊞
```
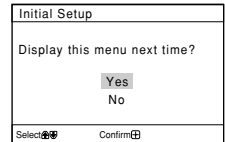
Tip
• You can immediately go to the end of the "Initial Setup" menu by pressing WEGA GATE.

F TV top control, front and rear panels

TV top control panel

TV rear panel ⑮

TV front panel
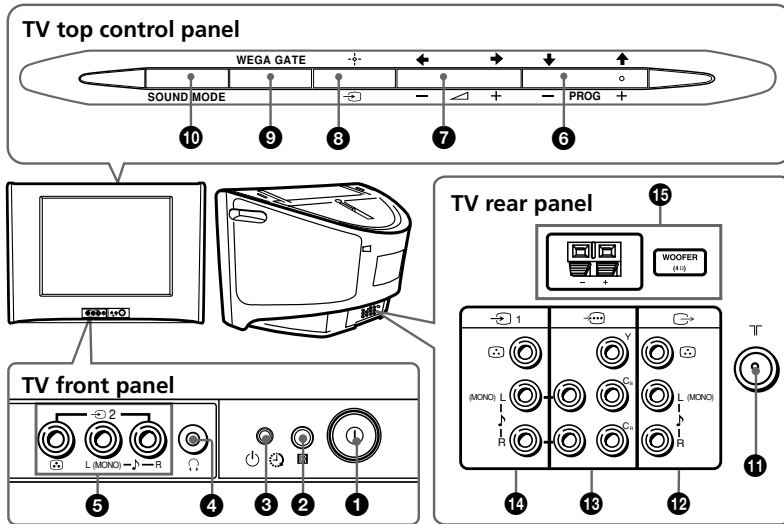
Button/Terminal	Function	See
❶ ⏻	Turn off or turn on the TV.	**D**
❷ ▣	Remote control sensor.	-
❸ 🕐	Wake Up indicator.	**J**
❸ ⏻	Standby indicator.	**D**
❹ ∩	Headphone jack.	-
❺ ⊸2	Video input terminal 2.	**H**
❻ PROG +/–	Select program number.	-
❼ ⊿ +/–	Adjust volume.	-
❽ ⊸	Select TV or video input.	**H**
WEGA GATE menu operations		
❻,❼ ↑,↓,←,→	Select and adjust items.	**K**
❽ ⊹	Confirm selected items.	**K**
❾ WEGA GATE	Display or cancel WEGA GATE menu.	**K**
❿ SOUND MODE	Select sound mode options with a 5-Band Graphic Equalizer display.	**J**
⑪ ⊤	Antenna input terminal.	**H**
⑫ ⊏▷	Monitor output terminal.	**H**
⑬ ⊸	Component video input terminal.	**H**
⑭ ⊸1	Video input terminal 1.	**H**
⑮ WOOFER (KV-SW21M83 only)	3D WOOFER terminal.	**G**

G Connecting the 3D WOOFER

▶ **KV-SW21M83 only**

You can enjoy high quality sound by connecting the 3D WOOFER as follows:

Step 1

3D WOOFER

Step 2

Black wire

Red wire

WOOFER
(4 Ω)

− +
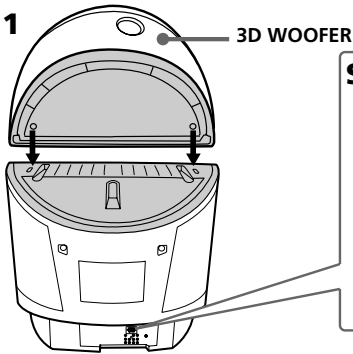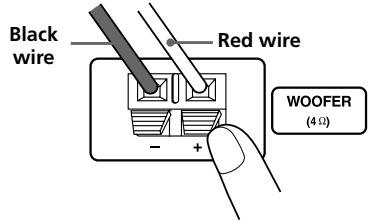
Notes

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

H Connecting optional components

Connecting to the video input terminal (⊷)

Audio/Video cable (not supplied)

TV front panel

⊷ 2

⊡   L (MONO) — ♪ — R

Camcorder

TV rear panel

⊷ 1

WOOFER (4 Ω)

Y

Cᵣ

Cᵦ

⊡   (MONO) L   ♪   R

⊡   L (MONO)   ♪   R

Antenna cable (not supplied)

Audio/Video cable (not supplied)

VCR

DVD Player
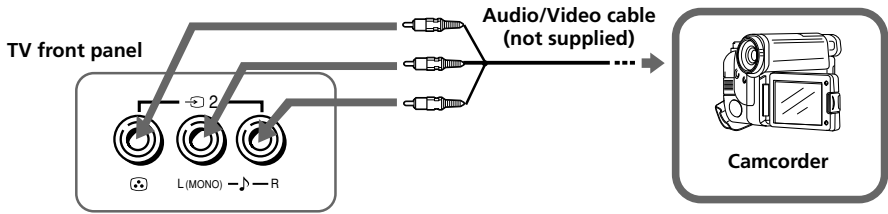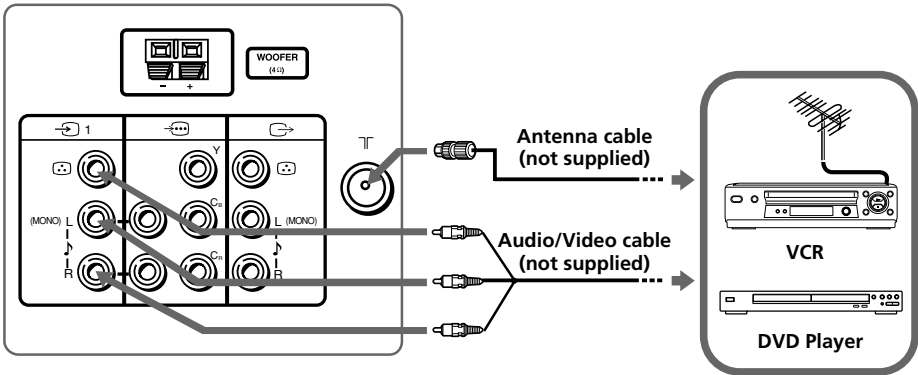
Note
• If you connect a VCR to Ͳ (antenna input), preset the signal output from the VCR to the program number 0 on the TV (see **O**).

Connecting to the monitor output terminal (⟿)

TV rear panel

⊷ 1

WOOFER (4 Ω)

Y

Cᵣ

Cᵦ

⊡   (MONO) L   ♪   R

⊡   L (MONO)   ♪   R

Audio/Video cable (not supplied)

Audio system

VCR

Connecting to the component video input terminal (☲)

TV rear panel

Component video cable
(not supplied)

DVD player

Audio cable
(not supplied)
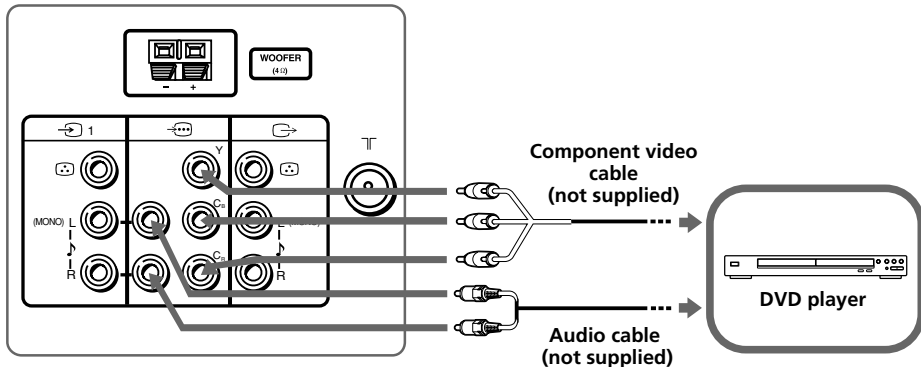
Notes

- If your DVD player can output interlace and progressive mode signals, select the interlace output when connecting to ☲ (component video input) on your TV. Your TV can receive either 525i/60Hz or 625i/50Hz interlace signals.
- The component video terminals on your DVD player are sometimes labeled $Y/C_B/C_R$, $Y/P_B/P_R$, $Y/C_b/C_r$ or Y/B-Y/R-Y.
- If you select "DVD" on your TV screen, the signal from the ☲ (monitor output) jacks will not be output properly. This does not indicate a malfunction.

I Troubleshooting

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

"Factory Settings" function

Press the WEGA GATE button. Choose "Settings" and go to "Setup" (🔧) menu. From "Setup" menu, select "Factory Settings". Then select "Yes" and press ⊡. Your TV will go blank for a few seconds, then the "Initial Setup" menu will appear. Your TV will be set to factory settings, but certain problems may be solved.

Symptom	Solutions
Snowy picture, noisy sound	• Check the antenna cable and connection on the TV, VCR and at the wall (see **H**).
	• Check the antenna setup. Contact a Sony dealer for advice.
	• Display the "Channel Setup" menu and select "Manual Program" to preset the channel again (see **O**).
	• Display the "Channel Setup" menu and set the "Signal Booster" to "Auto" from "Manual Program" (see **O**).
	• Try using an external booster.
Distorted picture, noisy sound	• Turn off or disconnect the external booster if it is in use.
	• Display the "Channel Setup" menu and set the "Signal Booster" to "Off" from "Manual Program" (see **O**).
Good picture, noisy sound	• Display the "Channel Setup" menu and select the appropriate "TV System" from "Manual Program" (see **O**).
No picture, no sound	• Check the power cord, antenna and VCR connections (see **H**).
	• Press I/⏻ (power) to turn on the TV (see **J**).
	• Press ① (main power) on the TV to turn off the TV for about five seconds, then turn it on again (see **F**).
Good picture, no sound	• Press ∠ + to increase the volume level (see **J**).
	• Press 🔇 to cancel the muting (see **J**).
Dotted lines or stripes	• Do not use a hair dryer or other equipment near the TV.
	• Check the antenna setup. Contact a Sony dealer for advice.
Double images or "ghosts"	• Use a highly directional antenna.
	• Use the fine tuning ("Fine") function (see **O**).
	• Check the antenna setup. Contact a Sony dealer for advice.
	• Turn off or disconnect the external booster if it is in use.
No color	• Display the "Picture" menu and select "Custom" from "Picture Mode", then adjust the "Color" level from "Picture Adjustment" (see **M**).
	• Display the "Setup" menu and check the "Color System" setting (usually set this to "Auto") (see **P**).
	• Check the antenna setup. Contact a Sony dealer for advice.

Troubleshooting (continued)

Symptom	Solutions
Picture slant	• Keep external speakers or other electrical equipment away from the TV.
Abnormal color patches	• Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV.
The ⏻ (standby) indicator on your TV flashes red several times after every three seconds.	• Count the number of times the ⏻ (standby) indicator flashes. Press ① (main power) to turn off your TV. Contact your nearest Sony service center.
The TV screen sometimes goes blank for slightly longer than usual during channel change.	• The "Signal Booster" is functioning to detect a weak signal. This does not indicate a malfunction.
TV cabinet creaks.	• Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.
A small "boom" sound is heard when the TV is turned on.	• The TV's demagnetizing function is working. This does not indicate a malfunction.

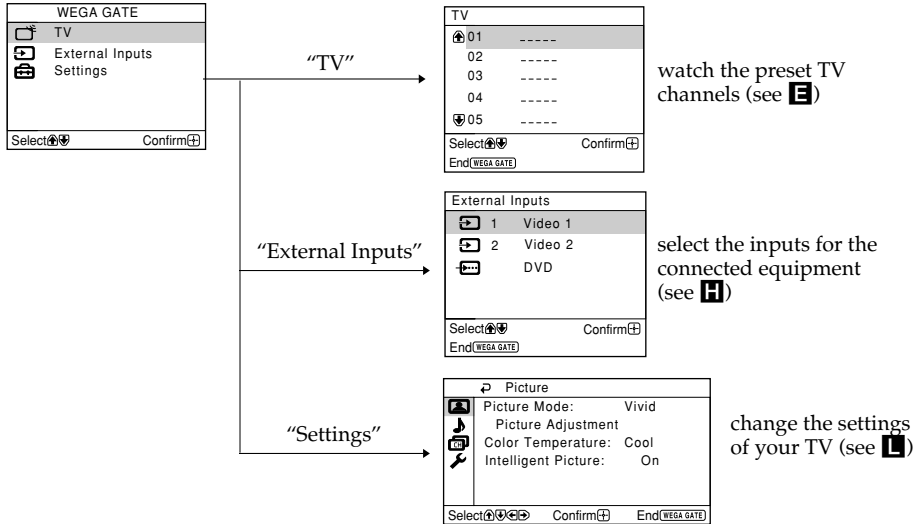# J Using the remote control and basic functions
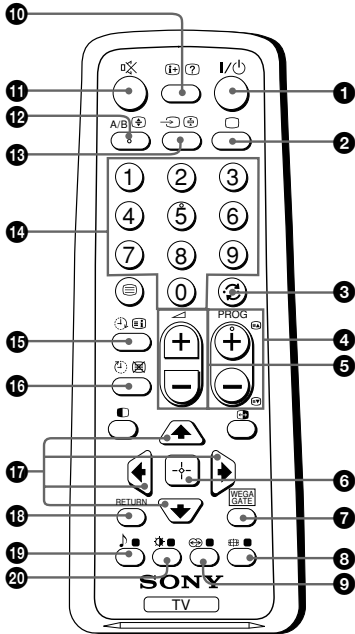
Button	Description	See
❶ I/⏻	Turn off temporarily or turn on the TV.	–
❷ ▢	Display the TV program.	–
❸ ⟳	Jump to last program number that has been watched for at least five seconds.	–
❹ PROG +/–	Select program number.	–
❺ ⊿ +/–	Adjust volume.	–
❽ ⊞ (KV-SW21M83/ SW21M80 only)	Change the picture size: "On" (16:9 wide-mode), "Off".	–
❾ ⊕	Select surround mode options: "On", "Simulated", "Off".	**N**
❿ ⓘ+	Display on-screen information.	–
⓫ ⊓✕	Mute the sound.	–
⓭ ⟿	Select TV or video input.	**H**
⓮ 0 – 9	Input numbers.	–
⓳ ♪	Select sound mode options with a 5-Band Graphic Equalizer display: "Dynamic", "Standard", "Custom"*. ♪ Dynamic 100 300 1k 3k 8k ↓ ♪ Standard 100 300 1k 3k 8k ↓ ♪ Custom 100 300 1k 3k 8k * When the "Custom" mode is selected, you can receive the last adjusted sound settings from the "Sound Adjustment" option in the menu.	**N**
⓴ ☀	Select picture mode options: "Vivid", "Standard", "Custom"*. * When the "Custom" mode is selected, you can receive the last adjusted picture settings from the "Picture Adjustment" option in the menu.	**M**

Button	Description	See
WEGA GATE menu operations		
❻ ⊞	Confirm selected items.	🅚
❼ WEGA GATE	Display or cancel WEGA GATE menu.	
⓱ ↑, ↓, ←, →	Select and adjust items.	
⓲ RETURN	Return to the previous level.	
Timer operations		
⓯ ⏰ (Wake Up Timer)	Set TV to turn on automatically according to the desired period of time (max. of 12 hours). The ⏰ indicator on TV lights up amber once you set the wake up timer. If no buttons or controls are pressed for more than one hour after the TV is turned on using the wake up timer, the TV automatically goes into standby mode.	–
⓰ ⏰ (Sleep Timer)	Set TV to turn off automatically according to the desired period of time (max. of one hour and 30 min.).	–
Teletext operations (green label)		
▤, ▤, ▤, ▧, ⑦, ⊜, ▤, ▤, ● (red, green, yellow, blue)	Not function for your TV.	–
PIP operations		
◗, ⬜, ↑, ↓, ←, →	Not function for your TV.	–
Stereo/bilingual operations		
⓬ A/B	Not function for your TV.	–

K Introducing the WEGA GATE navigator

WEGA GATE is a gateway that allows you access to preset TV channels, connected external inputs and "Settings" menu.

WEGA GATE
⬜ TV
🗀 External Inputs
🗄 Settings
Select⬆⬇   Confirm⊞

"TV" →

TV	
⬆01	-----
02	-----
03	-----
04	-----
⬇05	-----
Select⬆⬇	Confirm⊞
End(WEGA GATE)	

watch the preset TV channels (see **E**)

"External Inputs" →

External Inputs	
🔲 1	Video 1
🔲 2	Video 2
🔳	DVD
Select⬆⬇	Confirm⊞
End(WEGA GATE)	

select the inputs for the connected equipment (see **H**)

"Settings" →

↩ Picture	
🖼 Picture Mode:	Vivid
🎵 Picture Adjustment	
🖼 Color Temperature:	Cool
🔧 Intelligent Picture:	On
Select⬆⬇⬅➡ Confirm⊞ End(WEGA GATE)	

change the settings of your TV (see **L**)

How to use WEGA GATE

WEGA GATE
⬜ TV
🗀 External Inputs
🗄 Settings
Select⬆⬇   Confirm⊞

(1) Press WEGA GATE to display or cancel the WEGA GATE menu.

TV	
⬆01	-----
02	-----
03	-----
04	-----
⬇05	-----
Select⬆⬇	Confirm⊞
End(WEGA GATE)	
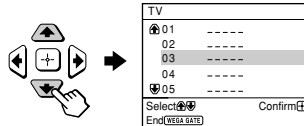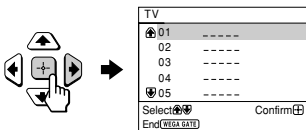
(2) Press ⊕ (or ➡) to confirm your selection or go to the next level.

TV	
⬆01	-----
02	-----
03	-----
04	-----
⬇05	-----
Select⬆⬇	Confirm⊞
End(WEGA GATE)	

(3) Press ⬆ or ⬇ to select the desired item.

RETURN

WEGA GATE
⬜ TV
🗀 External Inputs
🗄 Settings
Select⬆⬇   Confirm⊞
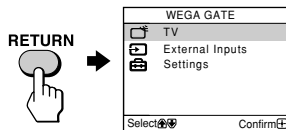
(4) Press RETURN to move to the previous level.

Tip
• The WEGA GATE, ⊕ and ⬆,⬇,⬅,➡ buttons on the top control panel can also be used for the operations above.

L "Settings" Adjustment

You are able to change the settings of your TV from "Settings" in WEGA GATE menu.
Press WEGA GATE button to display WEGA GATE menu. Press ↟ or ↡ to select "Settings" and press ⊞.

The following is an overview of the items that can be adjusted.

```
↩   Picture
🖼  Picture Mode:         Vivid
♪    Picture Adjustment
🗐  Color Temperature:   Cool
🔧  Intelligent Picture:   On

Select ↟↡↞↠   Confirm ⊞   End WEGA GATE
```
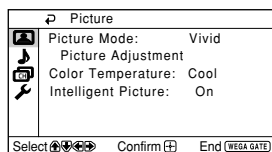
"Picture" (see M)

"Picture Mode": "Vivid" → "Standard" → "Custom"
"Picture Adjustment": "Picture", "Brightness", "Color", "Hue", "Sharpness", "Reset"
"Color Temparature": "Cool" → "Neutral" → "Warm"
"Intelligent Picture": "On" → "Off"

```
↩   Sound
🖼  Sound Mode:         Dynamic
♪    Sound Adjustment
🗐  Balance            ˌˌˌˌˌ|ˌˌˌˌˌ
🔧  Intelligent Volume:    Off
     Surround:            Off

Select ↟↡↞↠   Confirm ⊞   End WEGA GATE
```
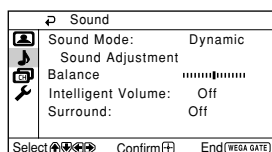
"Sound" (see N)

"Sound Mode": "Dynamic" → "Standard" → "Custom"
"Sound Adjustment": "Adjust", "Reset"
"Balance"
"Intelligent Volume": "On" → "Off"
"Surround": "On" → "Simulated" → "Off"

```
↩   Channel Setup
🖼  Auto Program
♪    Manual Program
🗐  Program Sorting/Edit
🔧

Select ↟↡↞↠   Confirm ⊞   End WEGA GATE
```
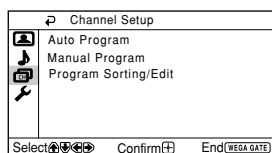
"Channel Setup" (see O)

"Auto Program"
"Manual Program"
    "Program": "00" - "99"
    "TV System": "B/G" → "I" → "D/K" → "M"
    "VHF Low"/"VHF High"/"UHF"
    "Fine": "Auto" → "Manual"
    "Signal Booster": "Auto" → "Off"
"Program Sorting/Edit"

```
↩   Setup
🖼  Language:          English
♪    Video Label
🗐  Color System:        Auto
🔧  Wake Up Timer Beep:  On
     Factory Settings

Select ↟↡↞↠   Confirm ⊞   End WEGA GATE
```
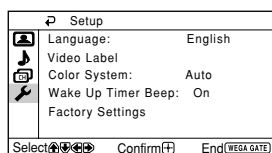
"Setup" (see P)

"Language": "English" → "عربي" (Arabic)
"Video Label": "Video Input", "Label"
"Color System": "Auto" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43"
"Wake Up Timer Beep": "On" → "Off"
"Factory Settings": "Yes" → "No"

Note
• When a feature is dimmed in the menu, it is not selectable.

M Changing the "Picture" setting

The "Picture" menu allows you to adjust the picture settings.

1 Press WEGA GATE and select "Settings".

2 Make sure the "Picture" icon (▣) is selected, then press ⊞.

3 Press ▲ or ▼ to select the desired item (e.g., "Picture Mode"), then press ⊞.

Select	To
"Picture Mode"	choose either "Vivid" (contrast and sharp), "Standard" (normal) or "Custom"*.
"Color Temperature"	adjust white color tint. Choose either "Cool" (blue tint), "Neutral" (neutral tint) or "Warm" (red tint).
"Intelligent Picture"	optimize picture quality. Press ▲ or ▼ to select "On", then press ⊞. To cancel, select "Off", then press ⊞.

* You can adjust the setting to your personal preference in the "Picture Adjustment" and "Color Temperature" options only when the "Custom" mode is selected.

Adjusting the "Picture Adjustment" items under "Custom" mode

1 Press ▲ or ▼ to select either "Picture" (contrast), "Brightness", "Color", "Hue" (color tones) or "Sharpness", then press ⊞.

Selecting "Reset" will set your TV to the factory settings.

2 Press ▲,▼,◄ or ► to adjust the setting of your selected item, then press ⊞.

3 Repeat the above steps to adjust other items.

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

Notes
- "Hue" can be adjusted for the NTSC color system only.
- Reducing "Sharpness" can also reduce picture noise.

N Changing the "Sound" setting

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

1 Press WEGA GATE and select "Settings".

2 Press ▲ or ▼ to select the "Sound" icon (♪), then press ⊡.

3 Press ▲ or ▼ to select the desired item (e.g., "Sound Mode"), then press ⊡.

Select	To
"Sound Mode"	choose either "Dynamic" (low and high tones), "Standard" (voice and high tones) or "Custom"*.
"Balance"	Press ▼ or ◄ to emphasize the left speaker. Press ▲ or ► to emphasize the right speaker.
"Intelligent Volume"	adjust the volume of all program numbers and video inputs automatically. Press ▲ or ▼ to select "On", then press ⊡. To cancel, select "Off", then press ⊡.
"Surround"	choose either "On" (surround), "Simulated" (stereo-like monaural sound) or "Off".

* You can adjust the setting to your personal preference in the "Sound Adjustment" option only when the "Custom" mode is selected.

Adjusting the "Sound Adjustment" items under "Custom" mode

The 5-Band Graphic Equalizer feature allows you to adjust sound frequency settings of "Custom" mode in the menu.

1 Make sure that "Adjust" is selected, then press ⊡.

Selecting "Reset" will set your TV to the factory settings.

2 Press ◄ or ► to select the desired sound frequency, then press ▲ or ▼ to adjust the setting and press ⊡.

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

Notes
- Adjusting higher frequency will affect higher pitched sound and adjusting lower frequency will affect lower pitched sound.
- You may display the settings directly using the SOUND MODE button on the top control panel (see **F**) or ♪ button on the remote control (see **J**).

◎ Changing the "Channel Setup" setting

The "Channel Setup" menu allows you to preset channels automatically, manually preset channels and sort or edit the channels.

1 Press WEGA GATE and select "Settings".

2 Press ▲ or ▼ to select the "Channel Setup" icon (🗐), then press ⊡.

3 Press ▲ or ▼ to select the desired item (e.g., "Auto Program"), then press ⊡.

Select	To
"Auto Program"	preset channels automatically.
"Manual Program"	manually preset desired channels and channels that cannot be preset automatically (see Presetting channels manually).
"Program Sorting/Edit"	change the order in which the channels appear on the screen, label the program number, skip the program number and block unwanted programs. (see step 3 of the section "Initial Setup" in **E**).

Notes
- If you preset a blocked program number, that program number will be unblocked automatically.
- If you sort a blocked program, that program will remain blocked.

Presetting channels manually

1 After selecting "Manual Program", select the program
number to which you want to preset a channel.

(1) Make sure "Program" is selected, then press 🔅.

(2) Press ▲ or ▼ until the program number you want
to preset appears on the menu, then press 🔅.

```
↵   Manual Program
🔲  Program :           01          ↕
♪   TV System:         B/G
📷  VHF Low        |||||||||||||||||||
🔧  Fine:              Auto
    Signal Booster:   Auto
Select ▲▼◀▶    Confirm ⊞    End WEGA GATE
```
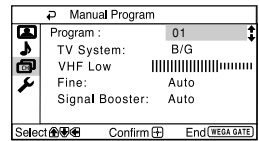
2 Select the desired channel.

(1) Make sure either "VHF Low", "VHF High" or "UHF" is selected, then press
🔅.

(2) Press ▲ or ▼ until the desired channel's broadcast appears on the TV screen,
then press 🔅.

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

(1) Press ▲ or ▼ to select "TV System", then press 🔅.

(2) Press ▲ or ▼ until the sound becomes normal, then press 🔅.

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

(1) Press ▲ or ▼ to select "Fine", then press 🔅.

(2) Press ▲ or ▼ to select "Manual", then press 🔅.

(3) Press ▲,▼,◀ or ▶ until the picture and sound quality are optimal, then press 🔅.

The + or – icon on the menu flashes while tuning.

5 If the TV signal is too strong (picture distorted; picture with lines; signal
interference) or weak (snowy picture), you may be able to improve the
picture quality by setting the "Signal Booster" feature.

(1) Press ▲ or ▼ to select "Signal Booster", then press 🔅.

(2) Press ▲ or ▼ to select either "Off" (for picture distorted; picture with lines;
signal interference) or "Auto" (for snowy picture), then press 🔅.

🅿 Changing the "Setup" setting

The "Setup" menu allows you to change the menu language, label the connected equipment, select the color system, set the wake up timer beep and reset your TV to factory settings.

1 Press WEGA GATE and select "Settings".

2 Press ▲ or ▼ to select the "Setup" icon (🔧), then press ⊡.

3 Press ▲ or ▼ to select the desired item (e.g., "Language"), then press ⊡.

Select	To
"Language"	change the menu language. Press ▲ or ▼ to select either "English" or "عربي" (Arabic), then press ⊡.
"Video Label"	label the connected equipment. (1) Select "Video Input" and press ⊡. Press ▲ or ▼ to select the input you want to label, then press ⊡. (2) Select "Label" and press ⊡, then press ▲ or ▼ to select the label options: "Video 1" / "Video 2" / "DVD", "VCR", "SAT", "Game" or "Edit"*. * You may edit the video label to your favorite name. Press ▲ or ▼ to select alphanumeric characters for the label, then press ⊡.
"Color System"	select the color system. Press ▲ or ▼ to select either "Auto", "PAL", "SECAM", "NTSC3.58" or "NTSC4.43", then press ⊡. Normally, set this to "Auto".
"Wake Up Timer Beep"	allow your TV to emit beeping sound when TV switches on automatically using wake up timer. Press ▲ or ▼ to select "On", then press ⊡. To cancel, select "Off", then press ⊡.
"Factory Settings"	reset your TV to factory settings. Press ⊡ and press ▲ or ▼ to select "Yes". Then press ⊡. To cancel, select "No", then press ⊡.

Notes
- To ensure the beeping sound can be heard, you must set an appropriate volume level on your TV and make sure the TV is not in mute condition.
- To stop the beeping sound, press any buttons on the remote control or top control panel.
- If no button is pressed for three minutes, the beeping sound will automatically go off.