Trinitron Color TV

Operating Instructions ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

GB

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

FD Trinitron

WEGA

KV-BT21
*KV-BM21*

M80
M70

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.
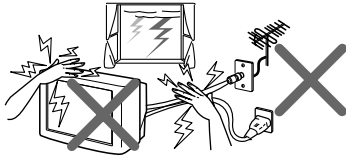
For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.

For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.
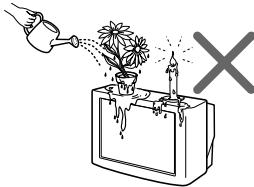
Do not place any objects on the TV. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
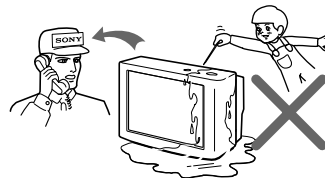
Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.
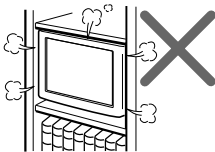
Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.
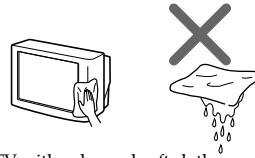
Clean the TV with a dry and soft cloth.
Do not use benzine, thinner, or any other chemicals to clean the TV. Do not attach anything (e.g., adhesive tape, cellophane tape, glue) on the painted cabinet of the TV. Do not scratch the picture tube.
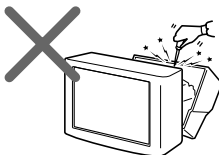
Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.
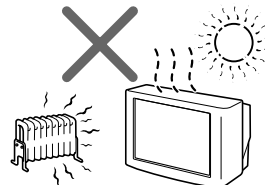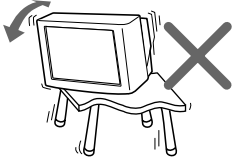
Your TV is recommended for home use only.
Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.
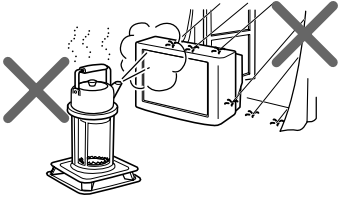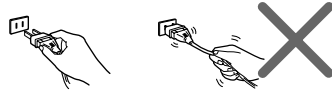
To prevent fire or shock hazard, do not expose the TV to rain or moisture.
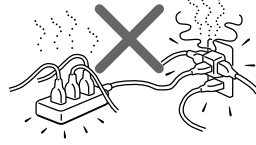
Do not plug in too many appliances to the same power socket. Do not damage the power cord.

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.

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.
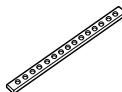
■ Securing the TV

To prevent the TV from falling, use the supplied screws, clamps and band to secure the TV.
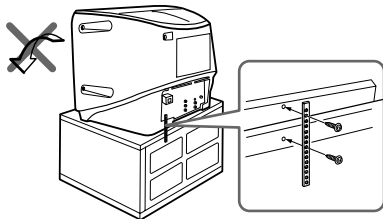

20 mm
3.8 mm
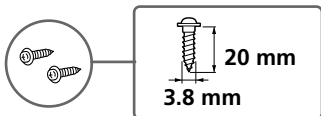
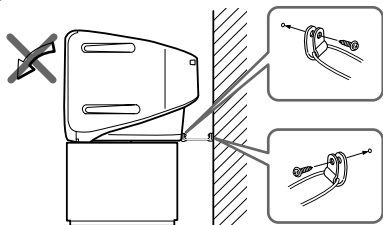**screws**　　　　　　　　　　**clamps**　　　**band**

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.

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

Table of Contents

Installation

Overview of Controls

Menu Adjustment

Additional Information

GB

■ Getting Started

Step 1

Insert the batteries (supplied) into the remote.

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

Step 2

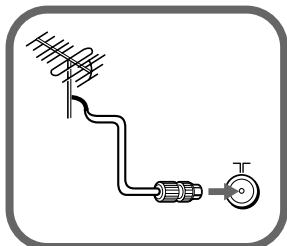Connect the antenna cable (not supplied) to ⊤⊤ (antenna input) at the rear of the TV.

Tip
• You can also connect your TV to other optional components (see page 20).
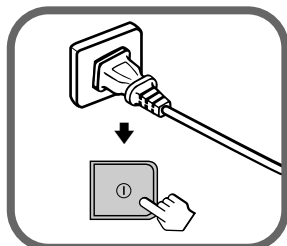
Step 3

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 [MENU]	

Set up the TV by following the instructions of the "Initial Setup" menu (see page 7).

■ 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 and preset the TV channels automatically using the buttons on the top control panel.

Tip
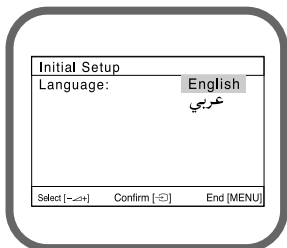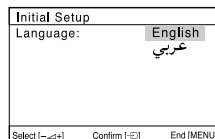• The MENU, ⊞ and ↑/↓/←/→ buttons on the remote control can also be used for the operations below.

1 Press ⊿ +/– to select the desired menu language, then press ⊝.

The selected menu language appears.

```
Initial Setup
Language:              English
                      عربي



Select [−⊿+]    Confirm [−⊝]    End [MENU]
```

2 Press ⊿ +/– to select "Yes", then press ⊝ to preset the channels automatically or select "No" to skip automatic channel presetting.

Once you select "Yes", your TV will start searching for all the available channels.

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 [MENU]
```
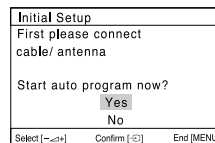
3 Press ⊿ +/– to select "No", then press ⊝. This menu will not appear again the next time you turn on the TV by pressing ①.

To allow this menu to appear again, select "Yes", then press ⊝.

```
Initial Setup

Display this menu next time?
            Yes
            No

Select [−⊿+]    Confirm [−⊝]
```
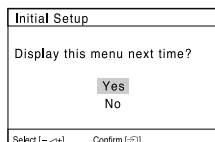
Tips
• You can immediately go to the end of the "Initial Setup" menu by pressing MENU.
• You can also set up your TV by pressing the MENU button on the top control panel for about five seconds or using the menu system (see page 11).

■ TV top control, front and rear panels

TV top control panel

TV rear panel

KV-BT21M80   KV-BM21M70

TV front panel

KV-BT21M80   KV-BM21M70
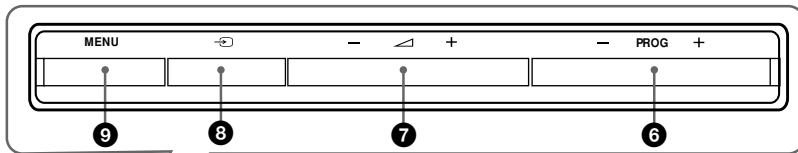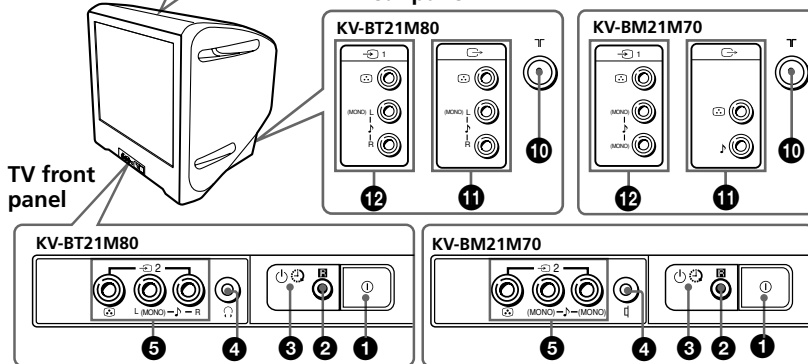
Button/Terminal	Function	Page
❶ ⏻	Turn off or turn on the TV.	6
❷ 🅁	Remote control sensor.	–
❸ ⏲	Wake Up indicator.	16
❸ ⏻	Standby indicator.	6
❹ ⌂	Headphone jack.	–
❹ ⌀	Earphone jack.	–
❺ ⊸2	Video input terminal 2.	20
❻ PROG +/–	Select program number.	–
❼ ⊿ +/–	Adjust volume.	–
❽ ⊸	Select TV or video input.	20
Menu operations		
❼ ⊿ +/–	Select and adjust items.	–
❽ ⊸	Confirm selected items.	–
❾ MENU	Display or cancel the menu.	–
❿ ⊤	Antenna input terminal.	20
⓫ ⊟→	Monitor output terminal.	20
⓬ ⊸1	Video input terminal 1.	20

■ Using the remote control and basic functions
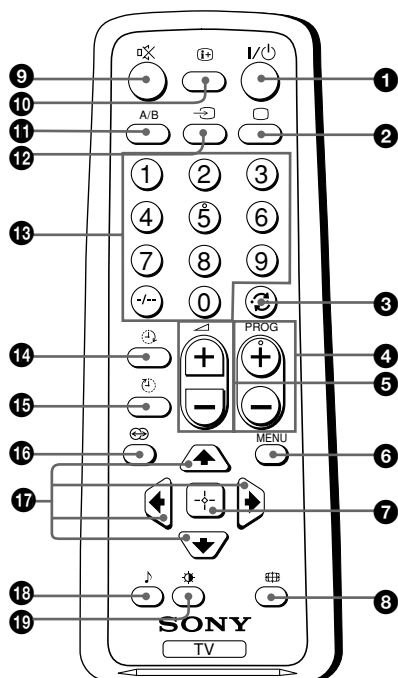
Button	Description	Page
❶ I/⏻	Turn off temporarily or turn on the TV.	–
❷ ▭	Display the TV program.	–
❸ ↻	Jump to previous program number.	–
❹ PROG +/–	Select program number.	–
❺ ◢ +/–	Adjust volume.	–
❽ ▦	Not function for your TV.	–
❾ ◻✕	Mute the sound.	–
❿ (i+)	Display on-screen information.	–
⓬ ⊸	Select TV or video input.	20
⓭ 0 – 9, -/--	Input numbers.	–
⓰ ⊕⊃ (KV-BT21M80 only)	Select surround mode options: "On" (surround), "Simulated" (stereo-like monaural sound), "Off".	–

continued

Button	Description	Page
⑱ ♪ (KV-BT21M80 only)	Select sound mode options: "Dynamic" (low and high tones), "Drama" (voice and high tones), "Soft" (soft, natural and relaxing sound), "Personal"*. * When the "Personal" mode is selected, you can receive the last adjusted sound settings from the "Sound Adjustment" option in the menu (see page 15).	–
⑲ ☼	Select picture mode options: "Dynamic" (high contrast), "Standard" (normal contrast), "Soft" (mild), "Personal"*. * When the "Personal" mode is selected, you can receive the last adjusted picture settings from the "Picture Adjustment" option in the menu (see page 14).	–
Menu operations		
❻ MENU	Display or cancel the menu.	13
❼ ⊡	Confirm selected items.	13
⑰ ↑, ↓, ←, →	Select and adjust items.	13
Timer operations		
⑭ ⏲	Set TV to turn on automatically.	–
⑮ ⏲	Set TV to turn off automatically.	–
Stereo/bilingual operations		
⓫ A/B	Not function for your TV.	–

■ Introducing the menu system

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

Picture icon
Sound icon
Timer icon
Channel Setup icon
Setup icon
Menu level 1

Setup
Language: English
Video Label   عربي
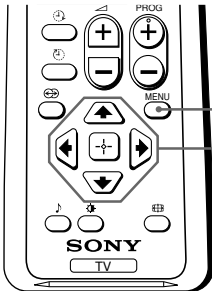Color System:

Select ▲▼◀▶   ● Confirm ⊕   End (MENU)

Return icon
Name of the current menu
Menu level 3
Menu level 2
User Guidance
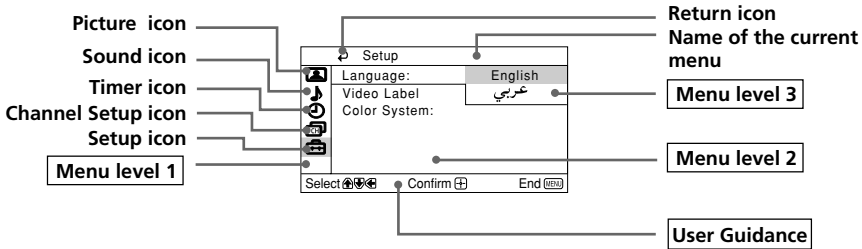
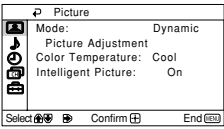| Level 1	Level 2	Level 3/Function	Page
"Picture"	"Mode"	Select the picture mode: "Dynamic" → "Standard" → "Soft" → "Personal"	14
	"Picture Adjustment"	Adjust the "Personal" option: "Picture" → "Brightness" → "Color" → "Hue" → "Sharpness" → "Reset"	
	"Color Temperature"	Adjust white color tint: "Cool" → "Neutral" → "Warm"	
	"Intelligent Picture"	Optimize picture quality: "On" → "Off"	
"Sound"	"Mode" (KV-BT21M80 only)	Select the sound mode: "Dynamic" → "Drama" → "Soft" → "Personal"	15
	"Sound Adjustment" (KV-BT21M80 only)	Adjust the "Personal" option: "Treble" → "Bass" → "Reset"	
	"Balance" (KV-BT21M80 only)	Select to emphasize the left and right speakers.	
	"Intelligent Volume"	Adjust volume automatically: "On" → "Off"	
	"Surround" (KV-BT21M80 only)	Select the surround mode: "On" → "Simulated" → "Off"	

continue

continued

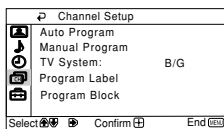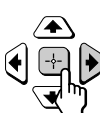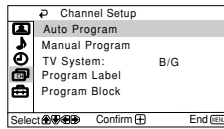| Level 1	Level 2	Level 3/Function	Page
"Timer"	"Sleep Timer"	Set TV to turn off automatically.	16
	"Wake Up Timer"	Set TV to turn on automatically.	
"Channel Setup"	"Auto Program"	Preset channels automatically.	17
	"Manual Program"	Preset channels manually.	
	"TV System"	Select the TV system: "B/G" → " I" → "D/K" → "M"	
	"Program Label"	Label the program number.	
	"Program Block"	Block unwanted programs.	
"Setup"	"Language"	Change the menu language: "English" → "عربي"(Arabic)	19
	"Video Label"	Label the connected equipment.	
	"Color System"	Select the color system: "Auto" → "PAL" → "SECAM" →"NTSC3.58" → "NTSC4.43"	

How to use the menu

Press MENU to display the menu.

MENU

```
⤶  Picture
🖼  Mode:                Dynamic
♪    Picture Adjustment
🕐  Color Temperature:   Cool
🖼  Intelligent Picture:   On
📇
Select 🔼🔽  ▶  Confirm ⊞    End MENU
```

Press ▲ or ▼ to select the desired item.

```
⤶  Channel Setup
🖼  Auto Program
♪  Manual Program
🕐  TV System:            B/G
🖼  Program Label
📇  Program Block
Select 🔼🔽  ▶  Confirm ⊞    End MENU
```

Press ⊡ (or ➡) to confirm your selection and go to the next level.

```
⤶  Channel Setup
🖼  Auto Program
♪  Manual Program
🕐  TV System:            B/G
🖼  Program Label
📇  Program Block
Select 🔼🔽◀▶  Confirm ⊞    End MENU
```

Other menu operations

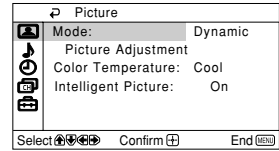| To	Press
Adjust the setting value	▲, ▼, ◀ or ▶.
Move to the next/previous menu level	◀ or ▶.
Cancel the menu	MENU.

Tips
- If you want to exit from Menu level 2 to Menu level 1, press ▲ or ▼ until the return icon (⤶) is highlighted, then press ⊡.
- The MENU, ⊃ and ⊿ +/– buttons on the top control panel can also be used for the operations above (see page 8).

Menu Adjustment 13

■ Changing the "Picture" setting

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

1 Press MENU.

2 Make sure the "Picture" icon (📺) is selected, then press ⊡.

```
↵    Picture
📺  Mode:               Dynamic
♪     Picture Adjustment
🕐  Color Temperature:  Cool
🖥  Intelligent Picture:   On
💼
Select ⬆⬇⬅➡   Confirm ⊕         End MENU
```

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

Select	To
"Mode"	choose either "Dynamic", "Standard", "Soft" or "Personal"* (see page 10).
"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 "Personal" mode is selected.

Adjusting the "Picture Adjustment" items under "Personal" 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 setting.

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 "Personal".

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

■ Changing the "Sound" setting

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

1 Press MENU.

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

```
        ↩  Sound
 🖼    Mode:              Dynamic
 ♪      Sound Adjustment
 🕐    Balance          |||||||▮|||||
 🎛    Intelligent Volume:   Off
 🧰    Surround:         Off

 Select ⬆⬇⬅➡    Confirm ⊞         End MENU
```

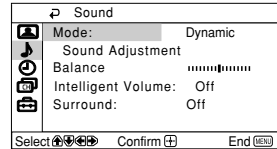**2** Press ▲ or ▼ to select the desired item (e.g., "Mode"), then press ⊡.

Select	To
"Mode" (KV-BT21M80 only)	choose either "Dynamic", "Drama", "Soft" or "Personal"* (see page 10).
"Balance" (KV-BT21M80 only)	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" (KV-BT21M80 only)	choose either "On", "Simulated" or "Off" (see page 9).

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

Adjusting the "Sound Adjustment" items under "Personal" mode (KV-BT21M80 only)

1 Press ▲ or ▼ to select either "Treble" or "Bass", then press ⊡.

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

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

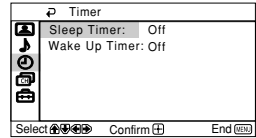**3** Repeat the above steps to adjust other items.

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

■ Changing the "Timer" setting

The "Timer" menu allows you to set TV to turn off and turn on automatically.

1 Press MENU.

2 Press ▲ or ▼ to select the "Timer" icon (🕐),
then press [⊡].

```
↵    Timer
📺   Sleep Timer:    Off
♪    Wake Up Timer: Off
🕐
📺
🎚
─────────────────────────────────
Select ▲▼◀▶    Confirm ⊞    End MENU
```

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

Select	To
"Sleep Timer"	set TV to turn off automatically. Press ▲ or ▼ to select the desired period of time (max. of 1 hour and 30 minutes), then press [⊡].
"Wake Up Timer"	set TV to turn on automatically. Press ▲ or ▼ to select the desired period of time (max. of 12 hours), then press [⊡]. After the selected length of time, the TV switches on automatically and "Wake Up Timer" will appear on the screen. The 🕐 indicator on the TV lights up amber once you set the "Wake Up Timer".

Notes
• You can also cancel "Sleep Timer" and "Wake Up Timer" by turning off the TV's main power.
• 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.
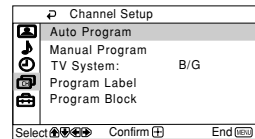
■ Changing the "Channel Setup" setting

The "Channel Setup" menu allows you to preset channels automatically, manually preset channels, select the TV system, label the program number and block unwanted programs.

1 Press MENU.

2 Press ↟ or ↡ to select the "Channel Setup" icon (⬚), then press ⊡.

```
↩   Channel Setup
▣  Auto Program
♪   Manual Program
🕐  TV System:          B/G
▣  Program Label
👜  Program Block

Select ↟↡◂▸    Confirm ⊞      End MENU
```

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 on page 18).
"TV System"	select the TV system. Press ↟ or ↡ to select either "B/G", "I", "D/K" or "M", then press ⊡.
"Program Label"	label the program number. (1) Select "Program" and press ⊡. Press ↟ or ↡ to select the program number, then press ⊡. (2) Select "Label" and press ⊡, then press ↟ or ↡ to select alphanumeric characters for the label.
"Program Block"	block unwanted programs. (1) Select "Program" and press ⊡. Press ↟ or ↡ to select the program number, then press ⊡. (2) Select "Block" and press ⊡, then press ↟ or ↡ to choose either "On" or "Off". If you preset a blocked program number, that program number will be unblocked automatically.

Note
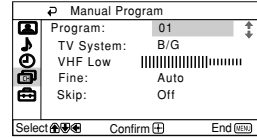• During automatic channel presetting, your TV screen will indicate "B/G", "I", "D/K" or "M" for the "TV System".

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    ‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖ꞮꞮꞮꞮꞮꞮꞮ
📷 Fine:           Auto
🖼  Skip:           Off

Select ♠♦◀    Confirm ⊞       End MENU
```

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 you want to skip this program number when using PROG +/–, you can
select the "Skip" feature.

(1) Press ♠ or ♦ to select "Skip", then press ⊡.

(2) Press ♠ or ♦ to select "On", then press ⊡.

To cancel, select "Off", then press ⊡.

■ Changing the "Setup" setting

The "Setup" menu allows you to change the menu language, label the connected equipment and select the color system.

1 Press MENU.

2 Press ↑ or ↓ to select the "Setup" icon
(🖴), then press ⊞.

```
↵    Setup
🔲  Language:        English
♪   Video Label
🕐  Color System:    Auto
🎚
🖴

Select ↑↓←→   Confirm ⊞        End MENU
```
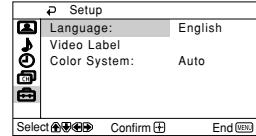
3 Press ↑ or ↓ to select the desired item (e.g., "Language"), then press ⊞.

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", "VCR", "SAT", "Game" or "Edit"*. * You may edit the video label by entering alphanumeric characters.
"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".

■ Connecting optional components

Connecting to the video input terminal (⊖)

TV front panel

KV-BT21M80   **KV-BM21M70***

⊖ 2   ⊖ 2

L(MONO)—⊙—R   (MONO)—⊙—(MONO)

Audio/Video cable (not supplied)

Camcorder

Video game equipment

TV rear panel

KV-BT21M80   **KV-BM21M70***

⊖ 1   ⊖ 1

(MONO) L   (MONO)
♪
R   (MONO)

Antenna cable (not supplied)

Audio/Video cable (not supplied)

VCR
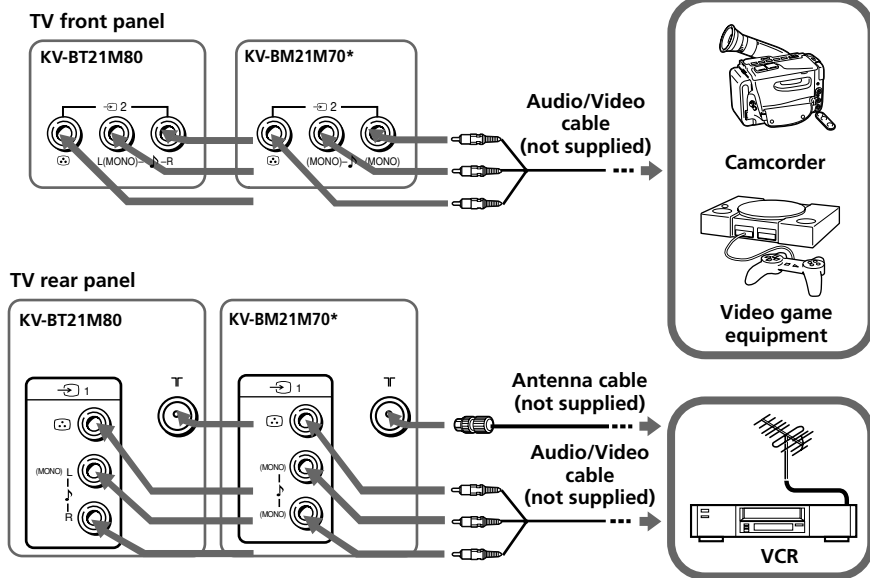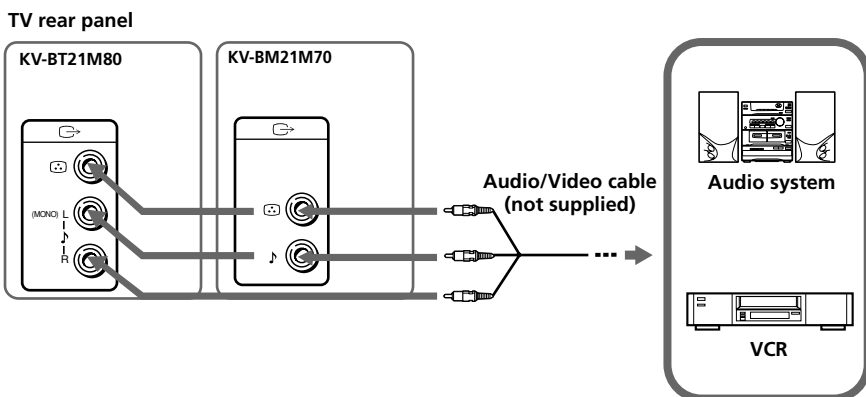
* Sound Mix Terminal (KV-BM21M70 only)

You can connect the audio L and R jacks from your AV equipment to both ♪ (MONO) jacks on the TV to enjoy mixed left and right sound. If you do not prefer the mixed sound, disconnect either one of the ♪ (MONO) jacks.

Note
• If you connect a VCR to ⊤ (antenna input), preset the signal output from the VCR to the program number 0 on the TV (see page 18).

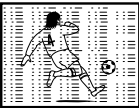## Connecting to the monitor output terminal (⊖)

TV rear panel

KV-BT21M80   **KV-BM21M70**

⊖   ⊖

(MONO) L   ⊙
♪
R   ♪

Audio/Video cable (not supplied)

Audio system

VCR
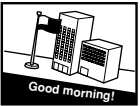
■ Troubleshooting

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

Troubleshooting guide

Symptom	Possible cause	Solutions	Page
Snowy picture	• The connection is loose or the cable is damaged.	• Check the antenna cable and connection on the TV, VCR and at the wall.	20
	• The antenna setup is inappropriate.	• Check the antenna setup. Contact a Sony dealer for advice.	–
Noisy sound	• Channel presetting is inappropriate or incomplete.	• Display the "Channel Setup" menu and select "Manual Program" to preset the channel again.	18
	• Signal transmission is low.	• Try using a booster.	–
Distorted picture **Noisy sound**	• Broadcast signals are too strong.	• Turn off or disconnect the booster if it is in use.	–
Good picture **Noisy sound**	• The TV system setting is inappropriate.	• Display the "Channel Setup" menu and select the appropriate "TV System".	18
No picture **No sound**	• The power cord, antenna or VCR is not connected.	• Check the power cord, antenna and VCR connections.	20
	• The TV is not turned on.	• Press I/⏻ (power).	9
		• Press ① (main power) on the TV to turn off the TV for about five seconds, then turn it on again.	8

continued

Symptom	Possible cause	Solutions	Page
Good picture	• The volume level is too low.	• Press ⊿ + to increase the volume level.	9
	• The sound is muted.	• Press ⊡✕ to cancel the muting.	9
No sound			
Dotted lines or stripes	• There is local interference from cars, neon signs, hair dryers, power generators, etc.	• Do not use a hair dryer or other equipment near the TV.	–
		• Check the antenna setup. 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.	18
	• The antenna setup is inappropriate.	• Check the antenna setup. 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 "Mode", then adjust the "Color" level in "Picture Adjustment".	14
	• The color system setting is inappropriate.	• Display the "Setup" menu and check the "Color System" setting (usually set this to "Auto").	19
	• The antenna setup is inappropriate.	• Check the antenna setup. Contact a Sony dealer for advice.	–
Picture slant	• The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV.	• Keep external speakers or other electrical equipment away from the TV.	–

Symptom	Possible cause	Solutions	Page
Abnormal color patches	• The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV.	• Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about 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.	• Your TV's self-diagnosis function indicates the possible problems.	• Count the number of times the ⏻ (standby) indicator flashes. Press ① (main power) to turn off your TV. Contact your nearest Sony service center.	–
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.	—	–

■ Specifications

	KV-BT21M80	KV-BM21M70	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)	3 W + 3 W	3 W	
Number of terminal			
⊙ **(Video)**	Input: 2 Output: 1 Phono jacks; 1 Vp-p, 75 ohms		
♪ **(Audio)**	Input: 2 Output: 1 Phono jacks; 500 mVrms		
⌒ **(Headphone)**	Output: 1 Stereo minijack		KV-BT21M80 only
⌷ **(Earphone)**	Output: 1 Monaural minijack		KV-BM21M70 only
Picture tube	21 in.		
Tube size (cm)	54		Measured diagonally
Screen size (cm)	51		Measured diagonally
Dimensions (w/h/d, mm)	497 × 461 × 487		
Mass (kg)	23		

Design and specifications are subject to change without notice.