

Trinitron® Color TV

Operating Instructions

KV-14B80

KV-21B80

KV-21S85

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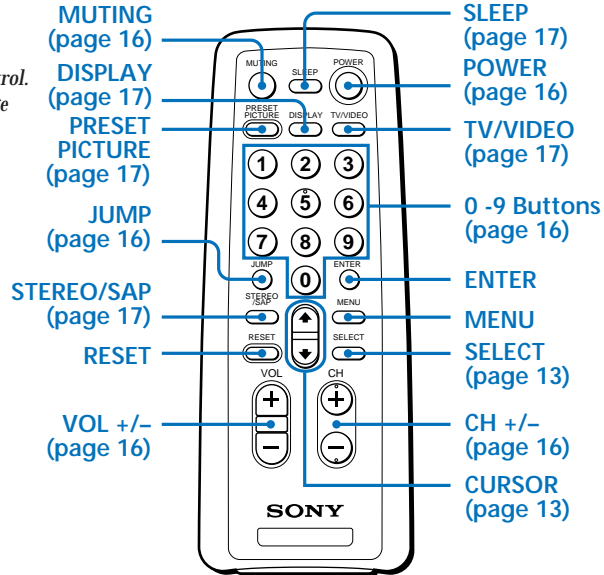
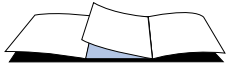
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Termo de Garantia

Back cover

Remote Control

In the instructions that follow, we will refer to the buttons on your remote control. Keep this flap unfolded and use this page for reference.



For a detailed explanation of most buttons, see "Watching the TV" on page 16.

Advertências e Precauções

Para evitar perigo de fiação ou choque elétrico, não exponha o televisor à chuva ou umidade.

	ATENÇÃO RISCO DE CHOQUE ELÉTRICO NÃO ABRA	
ATENÇÃO Para reduzir risco de choque elétrico: NÃO ABRA A TAMPA. Em caso de avaria, consulte exclusivamente os técnicos qualificados pelo fabricante.		



Este símbolo tem o propósito de alertar o usuário sobre a presença de “voltagens perigosas” não isoladas, localizadas dentro do gabinete do produto, as quais podem ter intensidade suficiente para constituir risco de choque elétrico para as pessoas.



Este símbolo tem o propósito de alertar o usuário quanto à presença de importantes instruções de operação e manutenção (serviços) constantes do material escrito que acompanha o aparelho.

CUIDADO

Ao usar jogos eletrônicos, computadores e outros produtos semelhantes no seu televisor, mantenha as funções de brilho e contraste em níveis baixos. Se um padrão fixo (sem movimento) for deixado na tela por longos períodos estando o aparelho com um nível alto de brilho ou contraste, a imagem pode ser permanentemente gravada na tela. Este tipo de gravação na tela não está coberto pela garantia, porque é resultado de uso inadequado.

Precauções de segurança

- Este aparelho deve ser ligado somente em tomadas 110-240V/60 Hz.
- Por razões de segurança, o plugue entra na tomada de parede somente com uma orientação. Caso não consiga introduzir o plugue totalmente na tomada, contate seu distribuidor.
- Se qualquer líquido ou objeto cair dentro do televisor, desligue imediatamente o aparelho e leve-o a um Serviço Autorizado Sony.
- Se não for utilizar o televisor por vários dias ou por um período mais longo, desligue-o através da chave POWER do TV ou desconecte o cabo elétrico. Para desconectar o cabo elétrico, segure-o pelo plugue. Nunca puxe o próprio cabo.

Proteção ao televisor

- Para evitar o superaquecimento interno do aparelho, não bloqueie as aberturas de ventilação, deixando no mínimo 10 cm entre ele e as paredes que o cercam.
- Não instale o televisor em lugar quente ou úmido, ou em local em que fique exposto a quantidades excessivas de poeira ou a vibrações mecânicas.
- Para assegurar a dissipação do calor interno do aparelho, não coloque objetos ou toalhas decorativas sobre as aberturas para ventilação.

Observação Closed Caption

Este televisor permite ver texto sobreposto às imagens, desde que transmitido pela emissora.

Observações para o instalador de sistema de cabo (CATV)

O fio-terra do cabo deve conectar-se ao sistema de fio-terra do edifício no ponto mais próximo à entrada do fio-terra que for possível.

O emprego deste televisor para fins que não sejam a visualização em privado de programas de televisão de UHF, VHF ou transmitidos por companhias de televisão

a cabo para uso do público em geral pode requerer a autorização da emissora ou companhia de cabo, do proprietário do programa, ou de ambos.

Aviso

Este televisor não reproduz em cores fitas gravadas em 50 Hz, reproduzidas por vídeo cassetes transcodificados dos sistemas PAL e SECAM europeus, para os sistemas PAL-M e NTSC.

Limpeza

Limpe externamente o aparelho com um pano macio e seco. Não utilize álcool, detergentes, nem solventes, tais como benzina ou thinner, pois eles podem causar danos ao acabamento e às superfícies do aparelho. Antes da limpeza, por motivo de segurança, desligue o aparelho.

Reembalagem

Guarde a caixa e os materiais da embalagem original, para transportar o aparelho a outras localidades, quando necessário.

Registro do usuário

Nos espaços abaixo, anote os números do modelo e de série, que se encontram na parte posterior do televisor.

Mencione-os quando contatar o Serviço Autorizado Sony com respeito a este produto

Número do modelo:

Número de série:

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. This manual is for models KV-14B80, 21B80 and 21S85.

Model KV-21S85 is used for illustration purposes. Differences in operation are indicated in the text; for example, "KV-21S85 only."

The features you will enjoy include:

- CANAL FAVORITO feature, allowing you to choose from five of your favorite programs
- AJUSTE DO TIMER function
- Two AUDIO/VIDEO inputs
- PAL- M/NTSC for, (BINORMA), allowing connection of video equipment (NTSC) without transcoding.
- STEREO DECODIFIER (MTS) with SAP FUNCTION - allows for selection of the broadcast sound or original soundtrack (when transmitted) of a dubbed program.

Precautions

Installing

- To prevent internal heat buildup, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- Do not install the TV near any fire. (for example, oven or cook fire)
- Do not put a candle etc. on the TV.

Using This Manual

This manual is divided into four major sections. We recommend that you carefully review the contents of each section in the order provided to ensure that you fully understand the operation of your new TV.

1 Installing and Connecting the TV.

This section will guide you through your initial set up. It will show you how to: connect your new components, connect to your antenna or cable, and connect any accessories.

2 Basic Set Up.

This section will teach you the basic skills needed to operate your new TV. It will show you how to operate special functions of the remote control.

3 Using your New TV.

This section will show you how to begin using your new TV. It will show you how to use the AUTO PROGRAMAÇÃO feature, and how to use your remote control's features.

4 Adjusting your Set Up (menus).

This section will teach you how to access on-screen menus and adjust your TV's settings.

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

Important Safeguard

For your protection, please read these instructions completely, and keep this manual for future reference.

Carefully observe and comply with all warnings, cautions and instructions placed on the set, or described in the operating instructions or service manual.

WARNING

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

Use



Power Sources — This set should be operated only from the type of power source indicated on the serial/model plate.

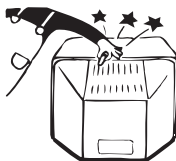
If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from battery power, refer to the operating instructions.



Overloading — Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.



Always turn the set off when it is not to be used. When the set is left unattended and unused for long periods of time, unplug it from the wall outlet as a precaution against the possibility of an internal malfunction that could create a fire hazard.



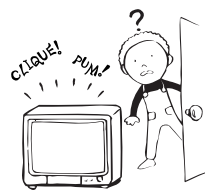
Object and Liquid Entry — Never push objects of any kind into the set through the cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the set.



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



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



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.

Installation

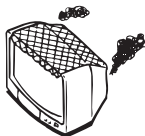
Water and Moisture — Do not use power-line operated sets near water — for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.



Accessories — Do not place the 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 TV.

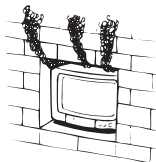
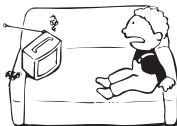


An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



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

— Never cover the slots and openings with a cloth or other materials.
— Never block the slots and openings by placing the set on a bed, sofa, rug or other similar surface.



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



Do not place the set near or over a radiator or heat register, or where it is exposed to direct sunlight.



Power-Cord Protection — Do not allow anything to rest on or roll over the power cord, and do not place the set where the power cord is subject to wear or abuse.

Important Safeguard (continued)

Antennas

Outdoor Antenna Grounding — If an outdoor antenna is installed, follow the precautions below.

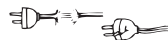
An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it, can come in contact with such power lines or circuits.

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

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

Lightning — For added protection for this television receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the receiver due to lightning and power-line surges.

Service



Damage Requiring Service — Unplug the set from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the set.
- If the set has been exposed to rain or water.
- If the set has been subject to excessive shock by being dropped, or the cabinet has been damaged.

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

— When the set exhibits a distinct change in performance — this indicates a need for service.



Servicing — Do not attempt to service the set yourself since opening the cabinet may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Replacement Parts — When replacement parts are required, be sure the service technician certifies in writing that he has used replacement parts specified by the manufacturer that have the same characteristics as the original parts.

Unauthorized substitutions may result in fire, electric shock, or other hazards.



Safety Check — Upon completion of any service or repairs to the set, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the set is in safe operating condition, and to so certify.



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

Connecting and Installing the TV

Connector Types

You may find it necessary to use some of the following connector types during set up.

Coaxial cable

Standard TV cable and antenna connector

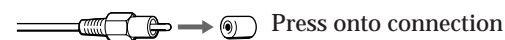
Plug Type



Screw-on Type



Audio/Video cable



Video - Yellow

Audio (Left) - White

Audio (Right) - Red

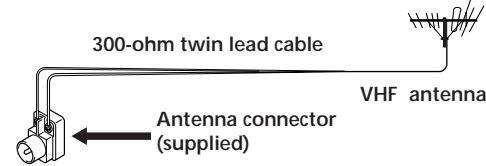
Audio (Monaural) - Black

Making Connections

For the best picture quality, a cable TV system or outdoor antenna is recommended.

Connecting a VHF antenna with twin lead cable

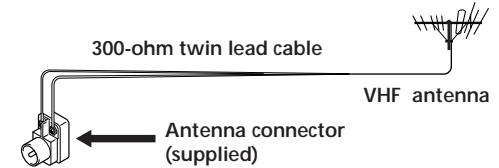
- 1 Connect the end of the 300-ohm twin lead cable to the antenna connector.



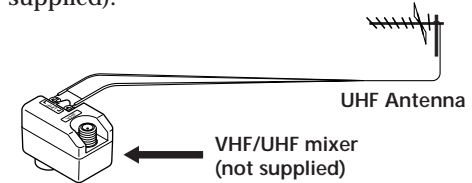
- 2 Connect the antenna connector to the VHF/UHF antenna terminal.

Connecting to VHF and UHF antennas with twin lead cables

- 1 Connect the end of the 300-ohm twin lead cable (VHF) to the antenna connector.

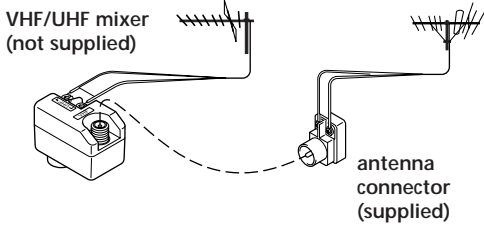


- 2 Connect the end of the 300-ohm twin lead cable (UHF) to the VHF/UHF mixer (not supplied).



Connecting and Installing the TV (continued)

- 3 Connect the antenna connector to the VHF/UHF mixer (not supplied).



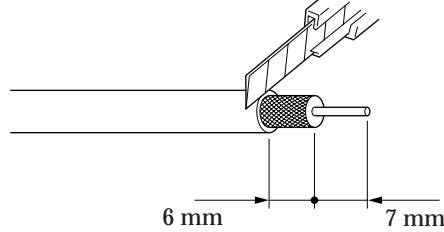
- 4 Connect the VHF/UHF mixer (not supplied) to the VHF/UHF antenna terminal.

Connecting a VHF or combined VHF/UHF antenna, through a coaxial cable

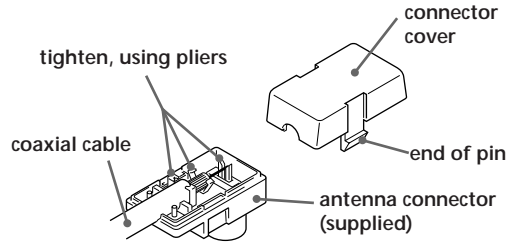
Note:

- The end of the coaxial cable of your combined VHF/UHF antenna has a F type plug, connect it directly to the VHF/UHF antenna terminal (in this case, however, ignore the instructions below, as there is no need for the antenna connector).

- 1 Prepare the end of the coaxial cable.



- 2 Remove the cover of the antenna connector (press the end of the two pins), position the coaxial cable and replace the cover.



- 3 Connect the antenna connector to the VHF/UHF antenna terminal.

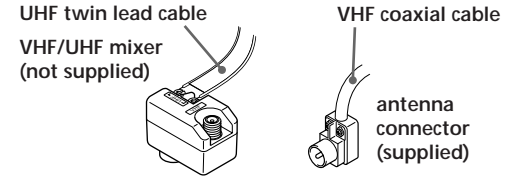
Connecting a VHF antenna with coaxial cable and a UHF antenna with twin lead cable

- 1 Connect the end of the coaxial cable to the antenna connector, following steps 1 and 2 mentioned in the diagram above.

Note:

- If the end of the coaxial cable of your VHF antenna has an F type plug, connect it directly to the VHF/UHF mixer (not supplied) (in this case ignore steps 1 and 2 described in the diagram above) and follow steps 2 and 3 below.

- 2 Connect the antenna connector (or the F type plug) to the VHF/UHF mixer (not supplied).

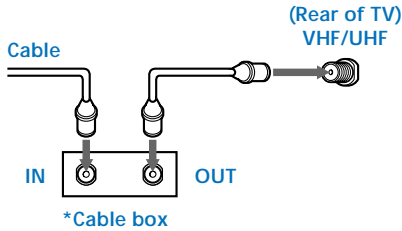


- 3 Connect the VHF/UHF mixer (not supplied) to the VHF/UHF antenna terminal.

Connecting a cable box

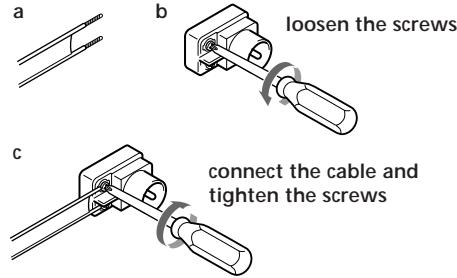
Some pay cable TV systems use scrambled or encoded signals that require a cable box* to view all channels.

Please contact your local CATV or DBS provider for cable box or DBS receiver connection.



Connecting the telescopic antenna (KV-14B80 only)

1 Connect the end of the 300-ohm twin lead cable to the antenna connector.

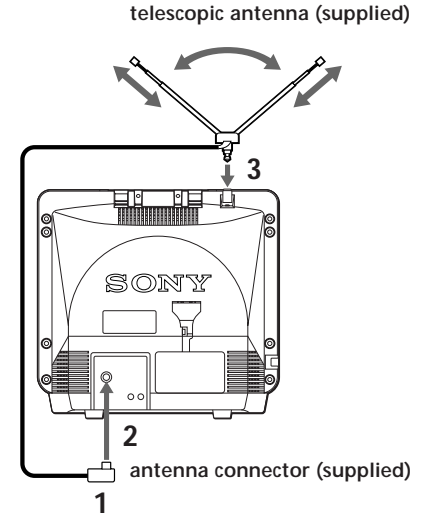


2 Connect the antenna connector to the VHF/UHF antenna terminal.

3 Attach the telescopic antenna to the socket on the rear panel.

Notes:

- When using the VHF/UHF mixer, noise and image interference (fuzz etc.) may occur while receiving cable TV channels above 37 (W+1).
- An outdoor antenna is recommended for receiving images of higher quality.



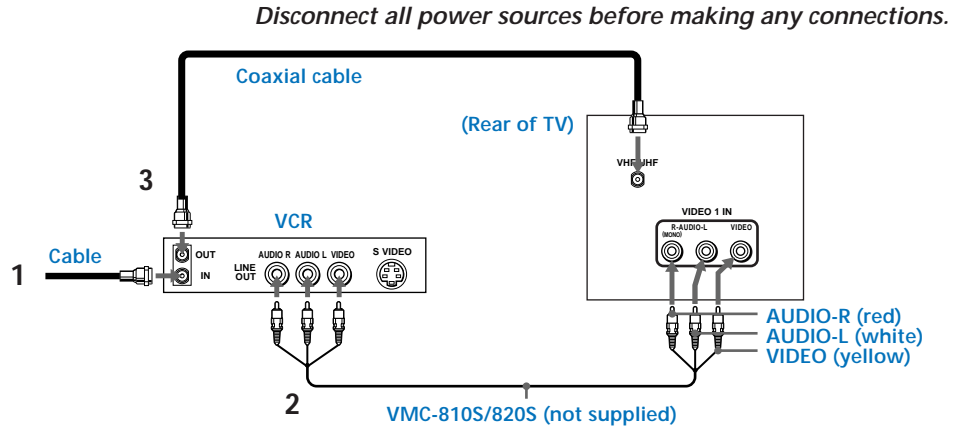
Connecting and Installing the TV (continued)

Connecting an antenna/cable TV system with a VCR (KV-21S85 only)

- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

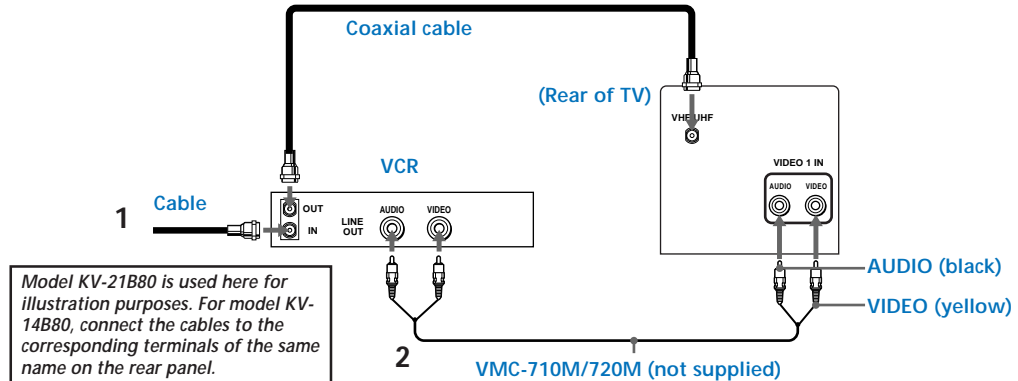
Note:

- If you are connecting a monaural VCR, connect only the single audio output to the left (MONO) input on your TV.



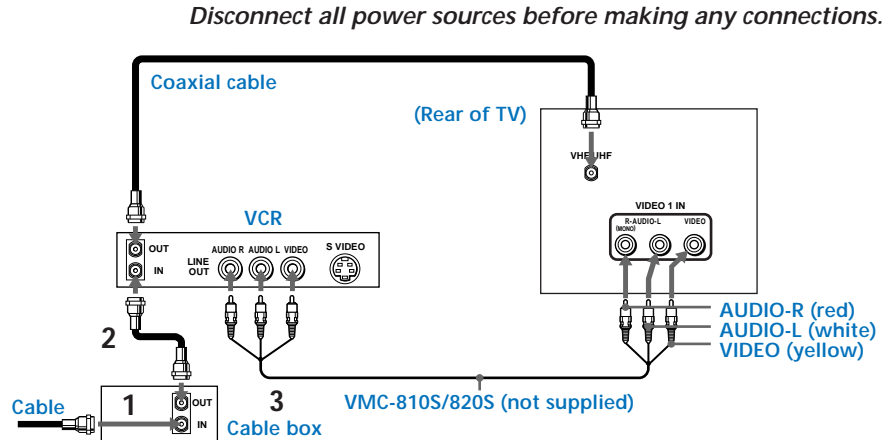
Connecting an antenna/cable TV system with a VCR (KV-14B80/21B80 only)

- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, Black-AUDIO).
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.



Connecting a VCR and TV with a cable box (KV-21S85 only)

- 1 Attach the coaxial connector from your cable to IN on your cable box.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).



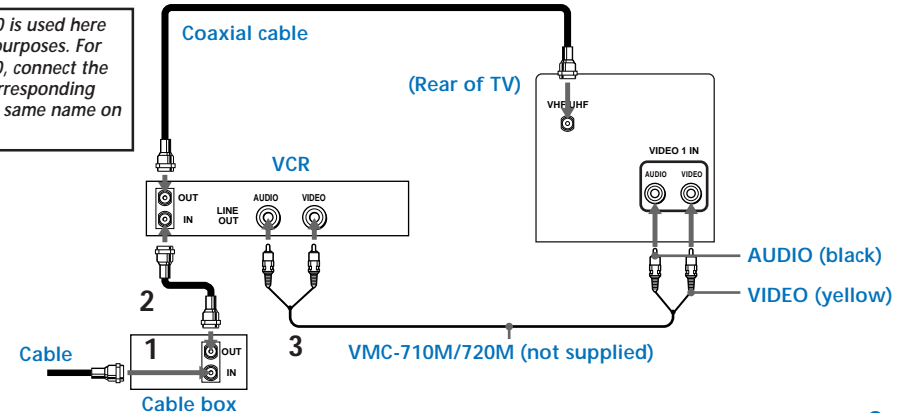
Connecting a VCR and TV with a cable box (KV-14B80/21B80 only)

- 1 Attach the coaxial connector from your cable to IN on your cable box.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, Black-AUDIO).

Note:

- To view scrambled channels through your cable box, select the video input which your cable box is connected to by pressing TV/VIDEO on the remote control.

Model KV-21B80 is used here for illustration purposes. For model KV-14B80, connect the cables to the corresponding terminals of the same name on the rear panel.



Connecting and Installing the TV (continued)

Connecting a DBS (Direct Broadcast Satellite) receiver (KV-21S85 only)

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

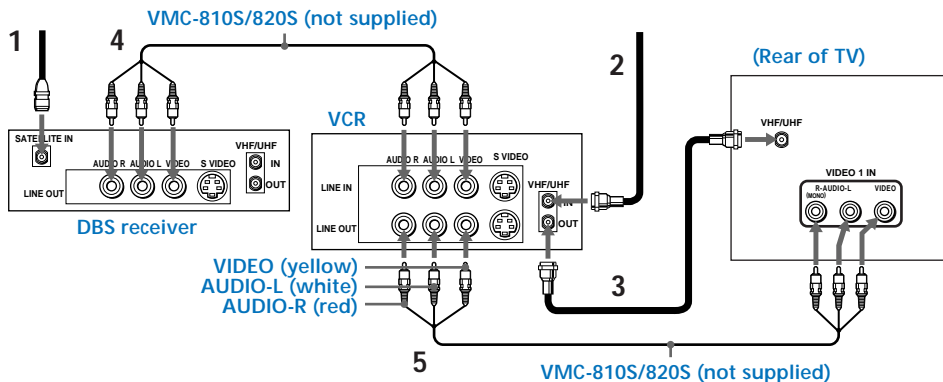
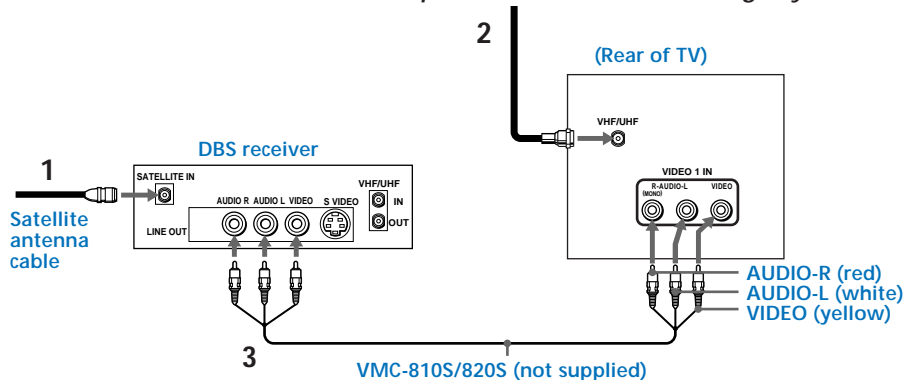
Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR (KV-21S85 only)

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF-IN on your VCR.
- 3 Using a coaxial connector, connect VHF/UHF-OUT on your VCR to VHF/UHF on your TV.
- 4 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Note:

- To view input from the DBS or VCR, select the video input which your DBS receiver or VCR is connected to by pressing TV/VIDEO on the remote control.

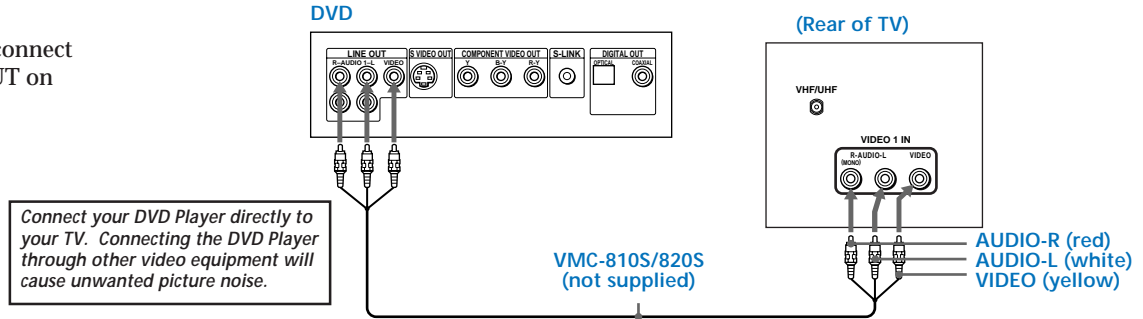
Disconnect all power sources before making any connections.




Connecting a DVD Player (KV-21S85 only)

Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to LINE OUT on your DVD Player.

Disconnect all power sources before making any connections.

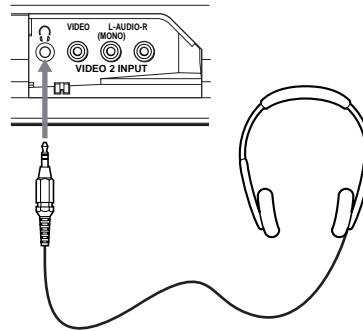


Connecting the headphones (KV-21S85 only)

- 1 Connect the headphones to  on your TV.
- 2 Adjust the volume.

Note:

- When the headphones are connected, no sound comes from the speakers.



Connecting and Installing the TV (continued)

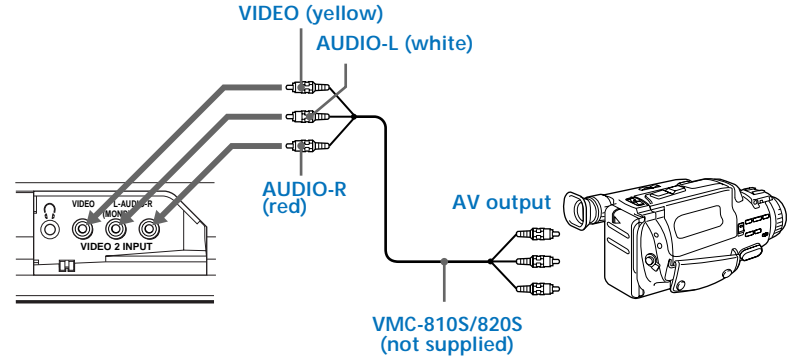
Connecting a camcorder (KV-21S85 only)

Use this connection to view a picture directly from your camcorder.

Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your camcorder to VIDEO 2 IN on the front panel of your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

Note:

- If you are connecting a monaural camcorder, connect only the single audio output to the left (MONO) input on your TV.

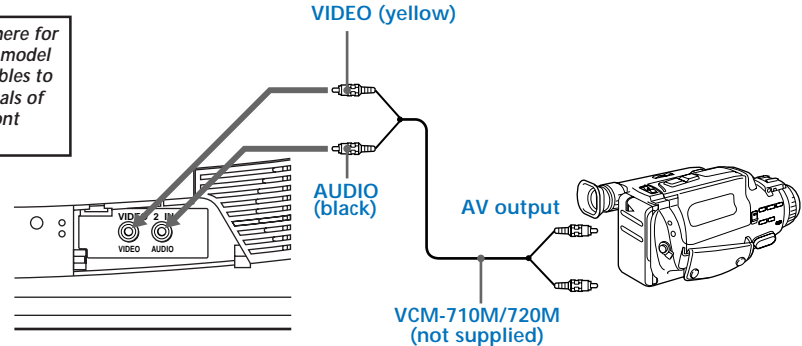


Connecting a camcorder (KV-14B80/21B80 only)

Use this connection to view a picture directly from your camcorder.

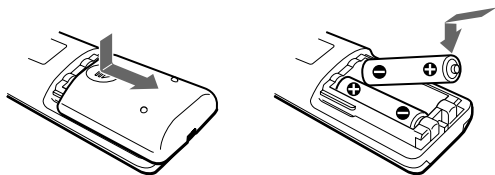
Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your camcorder to VIDEO 2 IN on the front panel of your TV (Yellow-VIDEO, Black-AUDIO).

Model KV-21B80 is used here for illustration purposes. For model KV-14B80, connect the cables to the corresponding terminals of the same name on the front panel.



Inserting Batteries

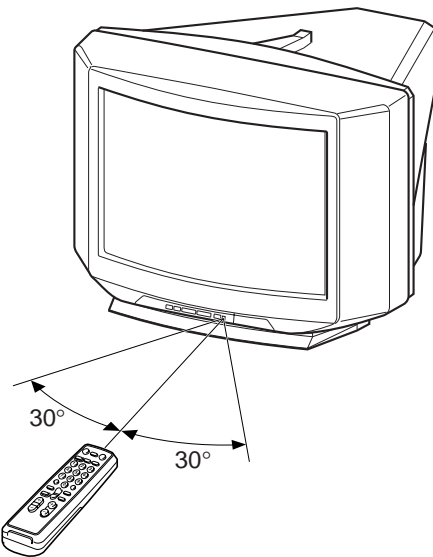
Insert two size AA (R6) batteries (supplied) by matching the + and - on the batteries to the diagram inside the battery compartment.



Notes:





- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care. Avoid dropping it, getting it wet. Avoid placing it in direct sunlight, near a heater, or where the humidity is high.

Using the Remote Control



Point the remote control at the remote sensor on the main unit.

Adjusting Sliders

When menu items present a slider ( or ), press / and SELECT to adjust the setting.

On Line Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions.

When the instructions are presented, use them to supplement the instructions in this manual.

Using your New TV

Presetting the Channels Automatically

The AUTO PROGRAMAÇÃO feature will allow you to preset all receivable channels.

Tips

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- After using AUTO PROGRAMAÇÃO, you will still have the option of adjusting any of the system settings, like erasing channels, through the AJUSTES menu. (see “SELEÇÃO DE CANAL” on page 24)

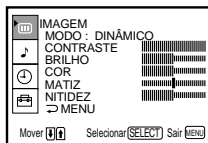
- 1 Press POWER to turn on the TV.



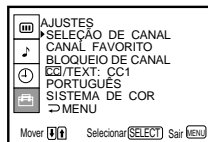
- 2 Press MENU.



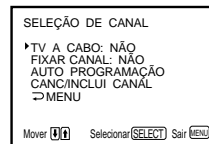
The main menu appears.



- 3 Press  or  to select  and press SELECT.



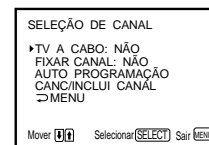
- 4 Make sure the cursor (▶) is to SELEÇÃO DE CANAL and press SELECT.



- 5 If your TV receives signals from the antenna, skip to step 8.

If your TV receives cable TV channels, proceed from step 6.

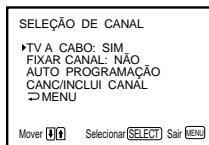
- 6 Make sure the cursor (▶) is to TV A CABO and press SELECT.



- 7 Press **↑** or **↓** to select SIM and press SELECT.



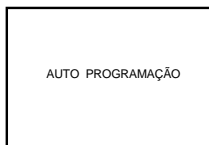
SELECT



- 8 Press **↑** or **↓** to select AUTO PROGRAMAÇÃO and press SELECT.



SELECT



“AUTO PROGRAMAÇÃO” appears and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, the lowest numbered channel is displayed.

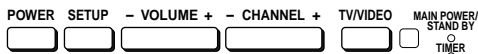
- 9 Press MENU to return to the original screen.

To perform AUTO SET UP (KV-21S85 only)

The EASY SETUP GUIDE feature allows you to set the on-screen language, set all receivable channels, perform the demonstration, and operate the menu screen.

The EASY SETUP GUIDE feature does not apply for installations which use a cable box for all channel selection.

Using the buttons on the front panel of the TV:



- 1 Press POWER to turn on the TV.
- 2 Press SETUP on the TV.
The EASY SETUP GUIDE screen appears.
- 3 Press CHANNEL + to select Portuguese or CHANNEL – to select Spanish.

The screen will change to reflect your choice.

For a DEMO of functions and menus, press VOLUME –.

- 4 Press VOLUME + to select AUTO SET UP.

“CONTINUE TO AUTO PROGRAMAÇÃO?” will appear on the screen.

- 5 Press TV/VIDEO to operate menu without remote control.

“Operar menu sem ctr. remoto” will appear on the screen.

- 6 Press SETUP to perform AUTO SET UP, or VOLUME – to exit the menu screens.

To operate the menu screen, you can use the following buttons on the front panel:

CHANNEL +/-: *move the cursor*

VOLUME +: *make your selection*

VOLUME –: *exit from the menu screen*

Notes:

- Each time AUTO PROGRAMAÇÃO is performed, TIMER settings are eased.
- If your TV receives cable TV channels, set TV A CABO to SIM in the AJUSTES menu first. (see “SELEÇÃO DE CANAL” on page 24)

Using your New TV (continued)

Watching the TV

Many TV features can be accessed directly through the remote control. The following chart will explain the function of some buttons found on your remote control.



REFER TO THE
ILLUSTRATION OF THE
REMOTE CONTROL ON THE
INSIDE FRONT COVER OF
THIS MANUAL AS YOU
REVIEW THIS CHART

Using the Buttons for TV Operations.	
POWER	Turns the TV on and off. If a video input indication (e.g., VIDEO 1, VIDEO 2) appears on the screen, press TV/VIDEO until a channel number appears.
0 - 9 and ENTER	Use for direct channel selection. Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0), the channel will change after 3 seconds, or you can press ENTER for immediate selection.
CH +/-	Every time you press this button, the channel will change (+ up or - down). Channel Surf 1. Press and hold to change the channel number. 2. Release to display the selected channel.
VOL +/-	Press to adjust the volume (+ up or - down).
JUMP	Press to alternate or <i>jump</i> back and forth between two channels. The TV will jump between the current channel and the last channel selected using the 0-9 buttons.
MUTING	Press to mute the sound ("MUTING" will appear on the screen). Press again or press VOL + to restore sound.

Using the Buttons for TV Operations.

SLEEP	Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90) that you want the TV to remain on before shutting off automatically. Cancel by pressing until "SLEEP OFF" appears.
DISPLAY	Press repeatedly to cycle through available displays: Status Channel number and MTS mode (if SAP or STEREO is selected) are displayed. SAP or STEREO indication disappears after 3 seconds. Caption Vision Caption Vision will be displayed on the screen if the broadcaster offers this service. (see "[CC]/TEXT" on page 25) To cancel the display, press DISPLAY repeatedly until "DISPLAY OFF" appears. "DISPLAY OFF" disappears after 3 seconds.
TV/VIDEO	Press repeatedly to cycle through available video inputs: TV, VIDEO 1 and VIDEO 2
PRESET PICTURE	Press to cycle through the MODO options in the IMAGEM menu. (see "MODO" on page 19)
STEREO/SAP	Press to cycle through the Multichannel TV Sound (MTS) options. (see "MTS" on page 21 or 22) Note: <ul style="list-style-type: none">• The stereo mode is available for model KV-21S85 only.

Adjusting your SET UP (menus)

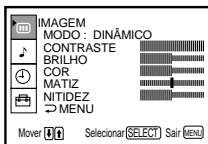
Learning Menu Selection

Use the MENU button to access a menu and use the ↑/↓ and SELECT button to alter settings. Use the following example to learn how to modify settings.

- 1 Press the MENU button.

The main menu appears.

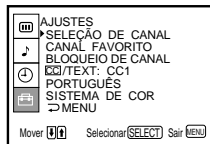
MENU



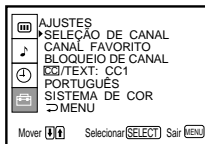
- 2 Press ↑ or ↓ to highlight the desired menu and press SELECT to activate it.



SELECT



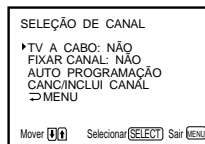
- 3 Press ↑ or ↓ until the cursor points to the desired option.



- 4 Press SELECT.

Options for your selection will be displayed.

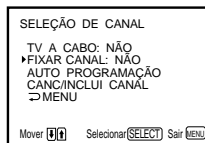
SELECT



- 5 Press ↑ or ↓ until the cursor points to the desired option and press SELECT.



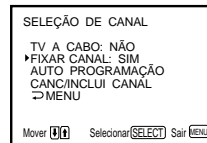
SELECT



- 6 Press ↑ or ↓ to make your selection and press SELECT to activate it.



SELECT



When you are done with changes to the selected menu, choose MENU to return to the main menu. Once you have completed all menu corrections, press MENU on the remote control to exit the menu screens.

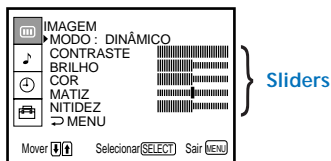
Note:

- Pressing MENU on the remote control will allow you to exit from the menus at any time.

Tip

For model KV-21S85, you can access a menu through the buttons on the front panel without remote control. For details, see "To perform AUTO SET UP (KV-21S85 only)" on page 15.

III Using the IMAGEM Menu



For detailed information on using the remote control to modify menu settings, refer to “Learning Menu Selection” on page 18.

To select the IMAGEM III menu:

Display → Highlight III → Select



To restore the factory settings

Press RESET on the remote control while the IMAGEM menu is selected.

Tip

Press **PRESET PICTURE** to modify the **MODO** setting directly.

MODO <i>Picture setting</i>	You can select from three picture settings. DINÂMICO: Select for enhanced picture contrast and sharpness. ESPORTE: Select to display a vivid, bright picture. PESSOAL: Select to customize the values from IMAGEM menu according to your personal preference.
CONTRASTE <i>Picture Adjustment</i>	Adjust slider ↑ to increase picture contrast and create more vivid color. Adjust slider ↓ to decrease picture contrast and soften the color.
BRILHO <i>Picture Adjustment</i>	Adjust slider ↑ to brighten the picture. Adjust slider ↓ to darken the picture.
COR <i>Picture Adjustment</i>	Adjust slider ↑ to increase color intensity. Adjust slider ↓ to decrease color intensity.
MATIZ <i>Picture Adjustment</i>	Adjust slider ↑ to increase the green tones. Adjust slider ↓ to decrease the green tones.
NITIDEZ <i>Picture Adjustment</i>	Adjust slider ↑ to sharpen the picture. Adjust slider ↓ to soften the picture.

Adjusting your SET UP (menus) (continued)

Using the SOM Menu for KV-21S85



For detailed information on using the remote control to modify menu settings, refer to “Learning Menu Selection” on page 18.

To select the SOM menu:

Display → Highlight → Select



To restore the factory settings

Press RESET on the remote control while the SOM menu is selected.

AGUDOS <i>Sound Adjustment</i>	Adjust slider ↑ to increase high pitched sounds. Adjust slider ↓ to decrease high pitched sounds.
GRAVES <i>Sound Adjustment</i>	Adjust slider ↑ to increase low pitched sounds. Adjust slider ↓ to decrease low pitched sounds.
BALANÇO <i>Sound Adjustment</i>	Adjust slider ↑ to emphasize right speaker volume. Adjust slider ↓ to emphasize left speaker volume.
AUTO VOLUME <i>Adjust the sound level.</i>	SIM: Sound output coming from TV speakers have the volume level equalized for all channel audio inputs when broadcasts have different sound transmission levels. NÃO: Sound output coming from the TV speakers varies according to the received channel.

OPÇÕES

Enjoy sound effects.

MTS

ESTÉREO: Select for stereo reception when viewing a program broadcast in stereo.

SAP: Select to listen to a bilingual broadcast.

MONO: Select for mono reception (Use to reduce noise during stereo broadcast)

Quick MTS access: Press STEREO/SAP on your remote control to cycle through the MTS options as follows: (ESTÉREO ➔ SAP ➔ MONO ➔ ESTÉREO)

SURROUND

SIM: Activate a surround-like effect.

NÃO: Deactivate a surround-like effect.

AUTO SAP OFF

SIM: Select to return to main sound automatically when non-SAP program is received. In this case, the SAP indication appears in yellow.

NÃO: Deactivate this function.

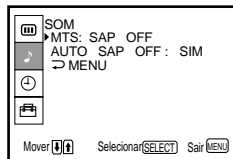
OPÇÕES

*MTS: ESTÉREO
SURROUND: SIM
AUTO SAP OFF: SIM
▷MENU

Mover [D] Selecionar [SELECT] Sair [MENU]

Adjusting your SET UP (menus) (continued)

Using the SOM Menu for KV-14B80/21B80



MTS <i>Enjoy sound effects.</i>	SAP: Select to listen to a bilingual broadcast. SAP OFF: Select to listen to a main sound. Quick MTS access: Press STEREO/SAP on your remote control to select MTS options as follows: (SAP ↔ SAP OFF)
AUTO SAP OFF	SIM: Select to return to main sound automatically when non-SAP program is received. In this case, the SAP indication appears in yellow. NÃO: Deactivate this function.

For detailed information on using the remote control to modify menu settings, refer to “Learning Menu Selection” on page 18.

To select the SOM menu:

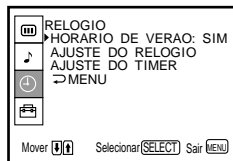
Display → Highlight → Select



To restore the factory settings

Press RESET on the remote control while the SOM menu is selected.

⌚ Using the RELOGIO Menu



After setting the clock you can use the timer to turn the TV on and off.

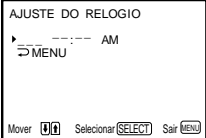

For detailed information on using the remote control to modify menu settings, refer to “Learning Menu Selection” on page 18.

To select the RELOGIO ⌚ menu:



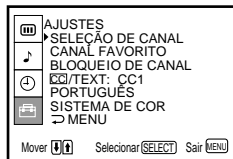
Tip 💡

Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased.

<p>HORARIO DE VERAQ Automatically adjusts the time.</p>	<p>SIM: Select to compensate for Daylight Saving Time. The current time automatically moves ahead one hour. NÃO: Select at the end of Daylight Saving Time. The current time moves back one hour.</p>
<p>AJUSTE DO RELOGIO Necessary for the AJUSTE DO TIMER.</p>	<p>1 Press SELECT, then press ↑ or ↓ until the current day (DOM-SAB) is displayed, and press SELECT. 2 Press ↑ or ↓ until the current hour (01-12) and AM/PM is displayed, and press SELECT. 3 Press ↑ or ↓ until the current minute (00-59) is displayed, and press SELECT. The Clock has now started. Press MENU to exit.</p> 
<p>AJUSTE DO TIMER Wake up or scheduled viewing.</p>	<p>1 Press SELECT, then press ↑ or ↓ until the desired day (DOMINGO-SABADO), the desired days (TODO DOMINGO-TODO SABADO) or range of days (TODO DOM-SAB or TODO SEG-SEX) is displayed, and press SELECT. 2 Press ↑ or ↓ until the time (hours and minutes) that you want the TV to remain on is displayed, and then press SELECT. 3 Press ↑ or ↓ to set the time duration (maximum of 6 hours) and press SELECT. TO CANCEL THE AJUSTE DO TIMER FUNCTION, PRESS RESET. 4 Press ↑ or ↓ to select the desired channel and press SELECT. The timer is now set. The TIMER indicator on your TV will be lit. Press MENU to exit.</p> <p>Notes:</p> <ul style="list-style-type: none"> Turning off the TV by pressing POWER on the TV will erase all RELOGIO settings. Performing AUTO PROGRAMAÇÃO will erase all TIMER settings. 

Adjusting your SET UP (menus) (continued)

Using the AJUSTES Menu



For detailed information on using the remote control to modify menu settings, refer to “Learning Menu Selection” on page 18.

To select the AJUSTES menu:

Display → Highlight → Select



If any menu items are “grayed out”, press the TV/VIDEO button on your remote control so that a channel number appears.

SELEÇÃO DE CANAL

Basic set up options for viewing

With the SELEÇÃO DE CANAL window open:

- 1 Press **↑** or **↓** to select the feature you want to change.
- 2 Press **SELECT** to access the feature.

TV A CABO:

Select **SIM** if your TV is connected to a cable system.

Select **NÃO** if your TV is connected to an antenna.

FIXAR CANAL:

Press **↑** or **↓** to set the video input to one of the following options,

2-6: When the cable box is connected to the VHF/UHF input, and you want the video input fixed on the selected channel.

VIDEO 1: When the video equipment (e.g. AV receiver) is connected, and you want the video input fixed on VIDEO 1 only. You can alternate between video sources.

NÃO: When you want setting FIXAR CANAL to off.

Note:

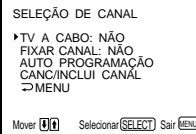
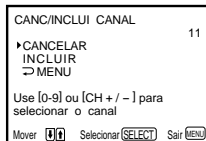
- Setting FIXAR CANAL will erase all TIMER settings.

AUTO PROGRAMAÇÃO:

Signals the TV to automatically program all receivable channels. (For details on how to set up this feature, see “Presetting the Channels Automatically” on page 14)

CANC/INCLUI CANAL:

- With the CANC/INCLUI CANAL window open:
- 1 Place the cursor next to **CANCELAR** or **INCLUIR**.
 - 2 Select the desired channel using **CH+/-**, or by selecting with the 0-9 buttons and pressing **ENTER**.
 - 3 Press **SELECT**.

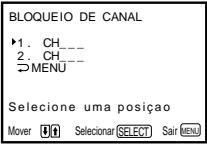

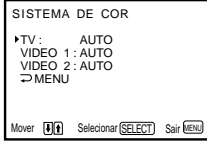


CANAL FAVORITO

User's favorite channels

The CANAL FAVORITO feature allows your TV to memorize your favorite channels easily.

(For details on how to set up this feature, see “Setting and Selecting CANAL FAVORITO” on page 26)

<p>BLOQUEIO DE CANAL <i>Prevent access to certain channels.</i></p>	<p>You will be able to block two channels.</p> <ol style="list-style-type: none"> 1 Press ↑ or ↓ to select the desired number (1 or 2), and press SELECT. 2 Press ↑ or ↓ to select the desired channel, and press SELECT. <p>To erase your BLOQUEIO DE CANAL settings, press RESET while in the BLOQUEIO DE CANAL window.</p> <p>Notes:</p> <ul style="list-style-type: none"> • When the channel which you have set to BLOQUEIO DE CANAL is selected, the TV screen is backed out and “BLOQUEADO” appears on the screen. • Performing AUTO PROGRAMAÇÃO will erase your BLOQUEIO DE CANAL settings. 	
<p>[CC]/TEXT <i>Select the caption type.</i></p>	<p>See the right column.</p>	
<p>PORTUGUÊS or ESPAÑOL <i>User's preferred language</i></p>	<p>Select from available languages to display all menus in your language of choice.</p>	
<p>SISTEMA DE COR <i>Select the TV color system.</i></p>	<p>The SISTEMA DE COR feature allows you to set the TV system for each input mode. Normally, set them to “AUTO.”</p> <ol style="list-style-type: none"> 1 Press ↑ or ↓ to select the input mode and press SELECT. 2 Press ↑ or ↓ to select the TV system (AUTO–PALM–NTSC) and press SELECT. 	

CAPTION VISION ([CC]/TEXT)

(Closed Caption)

Some programs are broadcast with Caption Vision. To display Caption Vision, select either CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, or TEXT4 from the menu. CC1, CC2, CC3, or CC4 shows you the on-screen version of the dialogue or sound effects of a program. (The mode should be set to CC1 for most programs.) TEXT1, TEXT2, TEXT3, or TEXT4 shows you the on-screen information presented using either half or the whole screen. It is not usually related to the program.

- 1 Press **↑** or **↓** select **[CC]/TEXT** and press SELECT.
- 2 Press **↑** or **↓** select the caption type and press SELECT.
- 3 Press MENU to return to the original screen.

To display Caption Vision

Press DISPLAY repeatedly.

Notes:

- Poor reception of TV programs can cause errors in Caption Vision. Captions may appear as a white box or with other errors instead of the intended text.
- Caption Vision and the status display cannot be used at the same time.

Adjusting your SET UP (menus) (continued)

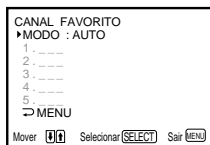
Setting and Selecting CANAL FAVORITO

The CANAL FAVORITO feature allows your TV to memorize your favorite channels easily.

If you set to AUTO, the last five channels you selected with the 0 – 9 buttons are automatically set as your favorite channels. If you want to input your own selection of channels, set to MANUAL.

Setting your favorite channels

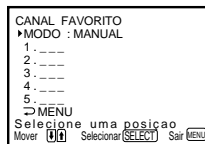
- 1 Select CANAL FAVORITO from AJUSTES menu.



- 2 Press SELECT and press **↑** or **↓** to select AUTO or MANUAL, and press SELECT.



SELECT

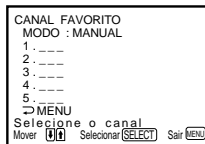


If you select AUTO, skip steps 3 and 4.

The last five channels you selected with the 0 – 9 buttons are automatically set as your favorite channels.

If you select MANUAL, the favorite channel numbers become white, indicating that favorite channels can be entered.

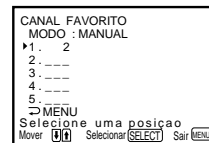
- 3 Press **↑** or **↓** to select a favorite channel number, and press SELECT.



- 4 Press **↑** or **↓** to select the channel that you want to set as your favorite channel, and press SELECT.



SELECT



- 5 Press MENU to return to the original screen.

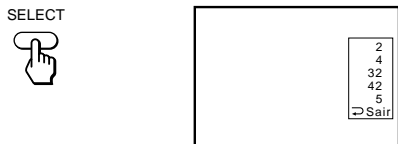
Notes:

- If the CANAL FAVORITO menu appears in gray, the TV is set to a video input, and you cannot select CANAL FAVORITO. Press TV/VIDEO so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Selecting your favorite channel

1 Press SELECT.

The CANAL FAVORITO menu appears.



2 Press **↑** or **↓** to select the favorite channel you want to watch, and press SELECT.

The selected channel appears on the screen.



To cancel the CANAL FAVORITO menu

Press **↑** or **↓** to select “Sair” and press SELECT.

Troubleshooting

No picture (screen not lit), no sound

- Make sure the power cord is plugged in.
- Operate with the buttons on the TV and the remote control.
- Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO 1 or 2.
- Try another channel. *It could be station trouble.*

Remote control does not operate

- Batteries could be weak. Replace the batteries.
- Make sure the TV's power cord is connected securely to the wall outlet.
- Locate the TV at least 3-4 feet away from fluorescent lights.
- Check the polarity of the batteries.

Poor or no picture (screen lit), good sound

- Adjust CONTRASTE in the IMAGEM menu. (see "CONTRASTE" on page 19)
- Adjust BRILHO in the IMAGEM menu. (see "BRILHO" on page 19)
- Check antenna/cable connections.

Good picture, no sound

- Press MUTING so that "MUTING" disappears from the screen. (see "MUTING" on page 16)
- Check the MTS setting in the SOM menu. (see "SOM" on page 21/22)
- Set the appropriate TV system in the AJUSTES menu. Normally, set it to "AUTO." (see "SISTEMA DE COR" on page 25)

Cannot receive upper channels (UHF) when using an antenna

- Make sure TV A CABO is NÃO in the AJUSTES menu. (see "SELEÇÃO DE CANAL" on page 24)
- Use AUTO PROGRAMAÇÃO to add receivable channels that are not preset in the TV memory. (see "Presetting the Channels Automatically" on page 14)

No color

- Adjust the COR in the IMAGEM menu. (see "COR" on page 19)
- Black and white programs cannot be seen in color.
- Set the appropriate TV system in the AJUSTES menu. Normally, set it to "AUTO." (see "SISTEMA DE COR" on page 25)

Only snow and noise appear on the screen

- Check the TV A CABO setting in the AJUSTES menu. (see "SELEÇÃO DE CANAL" on page 24)
- Check the antenna/cable connections.
- Make sure the channel is broadcasting programs.
- Set the appropriate TV system in the AJUSTES menu. Normally, set it to "AUTO." (see "SISTEMA DE COR" on page 25)

Dotted lines or stripes

- Adjust the antenna.
- Move the TV away from noise sources such as cars, neon signs, or hair-dryers.

TV is fixed to one channel

- Use AUTO PROGRAMAÇÃO to add receivable channels that are not preset in the TV memory. (see "Presetting the Channels Automatically" on page 14)

Double images or ghosts

- Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).

Cannot operate menu

- If the item you want to choose appears in gray, you cannot select it. Press TV/VIDEO correctly.

Cannot receive any channels when using cable TV

- Make sure TV A CABO is set to SIM in the AJUSTES menu. (see “SELEÇÃO DE CANAL” on page 24)
- Use AUTO PROGRAMAÇÃO to add receivable channels that are not preset in the TV memory. (see “Presetting the Channels Automatically” on page 14)

TV is fixed to one channel

- Try turning FIXAR CANAL off. (see “FIXAR CANAL” on page 24)
- Use AUTO PROGRAMAÇÃO to add receivable channels that are not preset in the TV memory. (see “Presetting the Channels Automatically” on page 14)

Cannot gain enough volume when using a cable box

- Increase the volume at the cable box. Then adjust the TV’s volume.

CANAL FAVORITO does not display your choices

- Verify that MODO is set to MANUAL in the CANAL FAVORITO menu. (see “Setting and Selecting CANAL FAVORITO” on page 26)

TV cannot receive stereo broadcast signal (KV-21S85 only)

- Set MTS to ESTÉREO in the SOM menu. (see “SOM” on page 21)

TV turned off automatically

- The Auto Switch Off function was activated. The message “TV desligará em breve” will appear 9 minutes after your TV does not receive any signal. After 10 minutes, your TV will turn off automatically.



Specifications

KV-	14B80	21B80	21S85
Power requirements	110-240 V, 50/60 Hz	110-240 V, 50/60 Hz	110-240 V, 50/60 Hz
Number of inputs/outputs			
Video ¹⁾	2	2	2
Audio ²⁾	2	2	2
Headphone	—	—	1
Speaker output (W)	3W	3W	3W x 2
Power consumption (W)			
In use (Max.)	000W	000W	000W
In standby	1W	1W	1W
Dimensions (W/H/D) (mm)	000 x 000 x 000 mm	000 x 000 x 000 mm	000 x 000 x 000 mm
Mass (kg)	00 kg	00 kg	00 kg

¹⁾ 1 Vp-p, 75 ohms unbalanced, sync negative

²⁾ 500 mVrms (100% modulation), Impedance: 47 kilohms

Television system

PAL M, NTSC

Channel coverage

VHF: 2–13/UHF: 14 –69/CATV: 1 – 125

Picture tube

Hi Black Trinitron® tube

Antenna

75 ohm external terminal for VHF/UHF

Visible Screen size

14-inch picture measured diagonally (KV-14B80)

21-inch picture measured diagonally (KV-21B80, 21S85)

Actual Screen size

13-inch picture measured diagonally (KV-14B80)

20-inch picture measured diagonally (KV-21B80, 21S85)

Supplied accessories

Remote control RM-Y155B (1)

Batteries (2) size AA (R6)

Antenna connector (1)

Telescopic antenna (1) (KV-14B80 only)



Optional accessories


Connecting cables

VMC-710M/720M, VMC-810S/820S

VHF/UHF mixer 000

Design and specifications are subject to change without notice.

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Termo de Garantia

GARANTIA POR 12 MESES

N.º de série.....

3009176

I-CONTEÚDO E PRAZO DE GARANTIA

1. A SONY COMÉRCIO E INDÚSTRIA LTDA. garante o produto acima identificado através do seu número de série, produto este que foi recebido devidamente lacrado, pelo prazo de **12 (doze) meses**, contados a partir da aquisição pelo primeiro consumidor, contra defeitos de projeto, fabricação, montagem, ou solidariamente em decorrência de vícios de qualidade do material, que o torne impróprio ou inadequado ao consumo a que se destina.
2. A garantia se faz mediante a exibição deste termo, bem como da Nota Fiscal correspondente.

II-EXCLUDENTES DA GARANTIA

1. O presente Termo exclui despesas de transporte, frete, seguro, constituídos tais itens, ônus e responsabilidade do consumidor, além de não cobrir:
 - a) danos à parte externa do produto (gabinete, painel, acabamentos, botões etc.), bem como peças e acessórios sujeitos a quebra causada por maus tratos;

- b) manuseio inadequado, indevido aos fins a que se destina, em desacordo com as recomendações do manual de instruções.

III-INVALIDADE DA GARANTIA

1. A Garantia fica automaticamente invalidada, se:
 - a) não for apresentada a Nota Fiscal de venda no Brasil, ou documento fiscal equivalente, conjuntamente com o Termo preenchido;
 - b) o produto for ligado em rede elétrica fora dos padrões especificados ou sujeita a flutuação excessiva de voltagem;
 - c) o produto tiver seu lacre violado, for aberto para conserto, manuseado ou tiver o circuito original alterado por técnico não autorizado ou não credenciado;
 - d) o número de série do produto for removido ou alterado;
 - e) o produto for utilizado em ambientes sujeitos a gases corrosivos, umidade excessiva ou em locais com altas/baixas temperaturas, poeira, acidez etc;
 - f) o produto sofrer qualquer dano por acidente (quebra), ou agente da natureza (raio, enchente etc.);
 - g) o produto for manuseado ou usado em desacordo com o manual de instruções que o acompanha.

IV-FORMA E LOCAL DE UTILIZAÇÃO DA GARANTIA

1. Para usufruir desta garantia adicional à legal, o consumidor deverá utilizar-se de um dos Postos de Serviço Autorizado Sony, dentre aqueles que constam na relação que acompanha o produto.
2. Esta garantia é válida apenas em território brasileiro.
3. O transporte do produto ao Posto de Serviço Autorizado é de responsabilidade do consumidor.

ATENÇÃO

Este termo de garantia só tem validade quando acompanhado da nota fiscal correspondente.

— Conserve-os em seu poder. —

SONY®

**PRODUZIDO
NA ZONA FRANCA
DE MANAUS**



CONHEÇA A AMAZÔNIA

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