LG
Life's Good

OWNER'S MANUAL
Colour Television

Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this
information to your dealer when you require service.

www.lg.com

Safety Precautions

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER(OR BACK). NO USER-SERVICEABLE PARTS IN SIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Cleaning
Unplug this television receiver from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
Do not use attachments not recommended by the television receiver manufacturer as they may cause hazards.

Power Supply
This television receiver should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your television dealer or local power company.
Press the **POWER** button on the front panel or side panel to turn off the TV when the TV set is not being used for a long time.It is recommended to remove the plug from the wall outlet (Power point)

Disconnecting device from mains
Power plug is the disconnecting device. The plug must remain readily operable.

Installation
Do not use this television receiver near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
Do not place this television receiver on an unstable cart, stand, or table. The television receiver may fall, causing serious injury to a child or an adult, and serious damage to the appliance.
Use only with a cart or stand recommended by the manufacturer, or sold with the television receiver. Wall or shelf mounting should follow the manufacturer's instructions and should use a mounting kit approved by the manufacturer.
Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the television receiver, and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the television receiver on a bed, sofa, rug, or other similar surface. This television receiver should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
It is recommended not to operate this unit near speakers or big metallic furnitures in order to keep their magnetism from disturbing colors purity (uniformity) on the screen.

Wet Location Marking
Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Use
Do not allow anything to rest on the power cord. Do not locate this television receiver where the cord will be abused by persons walking on it.
Do not overload wall outlets and extension cords as this can result in fire or electric shock.
Never push objects of any kind into this television receiver through 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 television receiver.

Service
Do not attempt to service this television yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified personnel.

Writing Model And Serial Numbers

The serial number and model number are found on the back of this unit. The serial number is unique to this unit. You should record requested information here and retain this guide as a permanent record of your purchase. Please retain your purchase receipt as your proof of purchase.

Date of Purchase

Dealer Purchased from
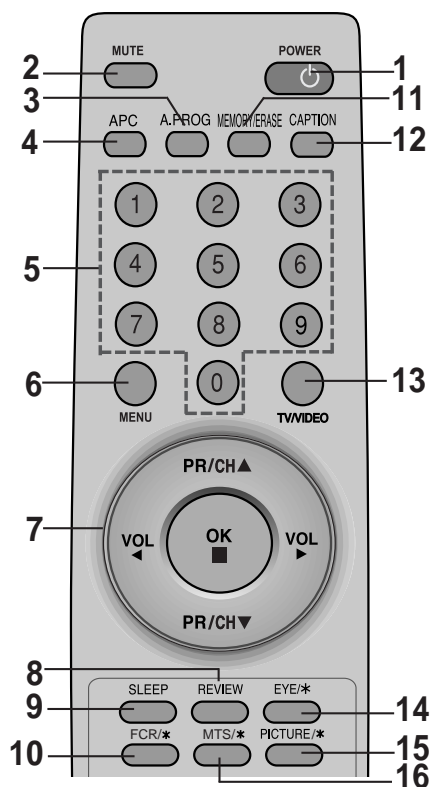
Dealer Address

Dealer Phone No.

Model No.

Serial No.

CONTENTS

Description of controls

1. POWER BUTTON (or ON/OFF)
Refer to "**Turning on/off the TV".**
2. MUTE BUTTON
To mute the sound. Again to restore the muted sound.
3. A. PROG (Auto program) BUTTON (some models)
To memorize channels by AUTO PROGRAM.
4. APC (Auto Picture Control) BUTTON (some models)
To adjust the factory preset pictures corresponding to the lighting around.
5. NUMBER BUTTONS (some models)
To select the desired channel directly.
6. MENU BUTTON
To display on screen menus.
7. CH UP/DOWN (▲/▼) BUTTONS
• To select the desired channel.
• To select the desired menu item when menu is displayed on the screen.
VOLUME UP/DOWN (◄/►) BUTTONS
• To increase or decrease volume level.
• To enter or adjust the selected menu when menu is displayed on the screen.
OK (■) BUTTON
• To exit from the displayed menu.
• To memorize the adjusted menu.
• To recall the current TV mode (by remote control only).
8. REVIEW BUTTON (some models)
To return to the previous channel.

9. SLEEP BUTTON
To set the desired sleep time.
10. FCR/ ✳ BUTTON (some models)
To select the favorite channel.
11. MEMORY/ERASE BUTTON (some models)
To memorize or erase the desired channel.
12. CAPTION BUTTON (some models)
To select the CAPTION mode.
13. TV/VIDEO BUTTON
To select TV, VIDEO or COMPONENT mode.
14. EYE/ ✳ BUTTON (some models)
To switch on or off eye picture.
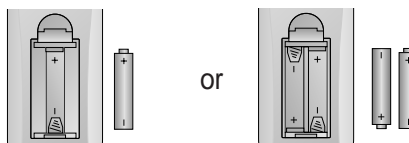✳ : No function.
15. PICTURE/ ✳ BUTTON(some models)
To display picture modes one by one.
16. MTS/ ✳ BUTTON (some models)
To listen to the MTS sound.

Fitting Batteries in the Remote Control Unit
• Open the battery compartment cover on the back side and insert the batteries with correct polarity.
• Apply 1.5V batteries of AAA type. Don't mix the used batteries with new batteries.

Front panel

- **POWER BUTTON (or ON/OFF)**
  Refer to "**Turning on/off the TV".**
- **REMOTE CONTROL SENSOR**
- **STAND BY INDICATOR**
  Illuminates red when the TV is in standby mode. Refer to **"Turning on/off the TV"**.
- **TV/VIDEO BUTTON(some models)**
  To select TV, VIDEO or COMPONENT mode.
- **MENU BUTTON**
  To display on-screen.
- **CHANNEL UP/DOWN (▲/▼) BUTTONS**
  • To select the desired channel.
  • To select the desired menu item when menu is displayed on the screen.
  VOLUME UP/DOWN (◄/►) BUTTONS
  • To increase or decrease volume level.
  • To enter or adjust the selected menu when menu is displayed on the screen.
  OK (■) BUTTON
  • To exit from the displayed menu.
  • To memorize the adjusted menu.
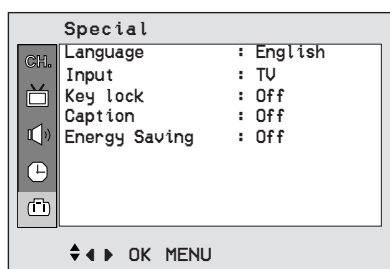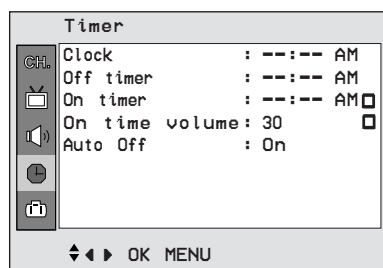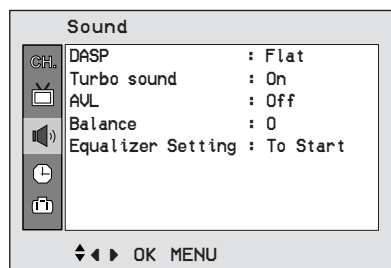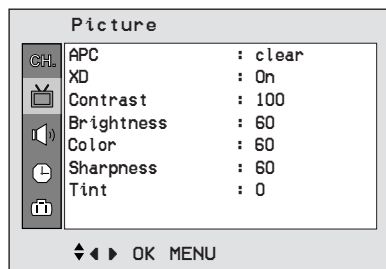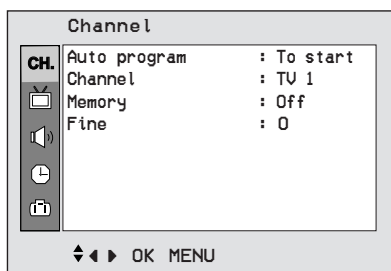 • To recall the current TV mode (by remote control only).

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The dialogue between you and your set takes place on screen with an operator menu .The buttons required for the operating steps are also displayed.

Menu selection

1.Press the **MENU** button and then ▲/▼ button to display each menu.
2.Press the ► button and then ▲/▼ button to select a menu item.
3.Change the setting of an item in the sub or pull-down menu with◄/► or ▲/▼.You can move to the higher level menu with **MENU** button and to move to the lower level menu press the **OK (■)** or ► button.

```
Channel

CH.   Auto program   : To start
      Channel        : TV 1
      Memory         : Off
      Fine           : 0




      ⬍◄ ►  OK  MENU
```

```
Picture

CH.   APC          : clear
      XD           : On
      Contrast     : 100
      Brightness   : 60
      Color        : 60
      Sharpness    : 60
      Tint         : 0

      ⬍◄ ►  OK  MENU
```

```
Sound

CH.   DASP              : Flat
      Turbo sound       : On
      AVL               : Off
      Balance           : 0
      Equalizer Setting : To Start



      ⬍◄ ►  OK  MENU
```

```
Timer

CH.   Clock          : --:-- AM
      Off timer      : --:-- AM
      On  timer      : --:-- AM☐
      On time volume : 30       ☐
      Auto Off       : On


      ⬍◄ ►  OK  MENU
```

```
Special

CH.   Language      : English
      Input         : TV
      Key lock      : Off
      Caption       : Off
      Energy Saving : Off



      ⬍◄ ►  OK  MENU
```

TV programme

Before operating your TV, make sure the following instructions have been completed.
- Your TV has been connected to an antenna or a cable system.
- Your TV has been plugged in a power outlet.
- In this manual, the OSD (On Screen Display) may be different from your TV's because it is just an example to help you with the TV operation.

Turning on/off the TV

Press the **POWER (**or **ON/OFF)** button on the set. At this time, the set switches to standby mode and the standby indicator lights up in red.
To switch the TV on from standby mode, press the TV/VIDEO, CH ▲/▼ button on the set or POWER, TV/VIDEO, CH ▲/▼ or number button on the remote control.
A channel number will be displayed on the screen. The on-screen display will disappear after a few seconds.
Press the **POWER** button on the remote control. It reverts to standby mode.
To switch the TV off, press the **POWER** button on the set.

Selecting the on screen language

1. Press the **MENU** button and then ▲/▼ button to select the Special menu.
2. Press the ▶ and then ▲/▼ button to select **Language**.
3. Use ◀/▶ button to select the desired language.
   From this point on, the on-screen display will be presented in the language of your choice.
4. Press the **MENU** button to exit.

Memorizing Channels

This is the function to memorize all the active channels in your area before you can use the TV. It is called **AUTO PROGRAM** .
In **AUTO PROGRAM** the TV will memorize the channels in ascending order. If there are additional channels you want to add or delete, you can manually add or delete those channels.

Memorizing the Channels by AUTO PROGRAM

AUTO PROGRAM searches and memorizes all the active channels in your area then you can select the desired channel with the ▲/▼ buttons.

Using the A.PROG button
You can conveniently perform AUTO PROGRAM using the **A.PROG** button on the remote control.
1. Press the **A.PROG** button.
2. The AUTO PROGRAM starts now.

If you want to stop auto programming, press the **OK (■)** button.
Only the channels searched up to that time are memorized.
Note :
• If the programmed signal has poor quality, memorize again in the **Auto program***.*
• AUTO PROGRAM stores all receivable channels regardless of receiving signal (RF, Cable).
• If channels of general wireless TV and cable TV are duplicated, press the number buttons (0 ~ 9) to change as .

Channels of general wireless TV	◀──▶	Channels of Cable TV

Using the MENU button

1. Press the **MENU** button and then use ▲/▼ button to select the channel menu.
2. Press the ▶ and then ▲/▼ button to select **Auto program**.
3. Press the ▶ button to enter the **Auto program** mode.
4. The AUTO PROGRAM starts now.
5. Press the **OK (■)** button to stop.

Selecting the Channel

Press the ▲/▼ button to conveniently select the upper or lower channel then the channel being viewed, or **NUMBER** buttons to directly select the desired channel.

Adjusting the Volume

Press the ▶ button to increase the volume level or ◀ button to decrease the volume level.
To mute the sound, Press the **MUTE** button.
It's convenient when you get the telephone calls.
To restore the muted sound, press the **MUTE** button again or **VOL ◀/▶** button.

Various function

Setting the Clock
Before setting the on/off timer, first you should set the current time.

Setting the OFF TIMER
This is the function to automatically switch the TV to standby mode at a preset time.
Note:If the same time is set for the on time and off time, only the off time operates.

Setting the ON TIMER
This is the function to automatically turn the TV on at a preset time.
Note:
•If you don't press any button within 2 hours after turning on the TV set by ON TIMER function, the set will be automatically switched back to standby mode.
•TV must be in standby mode for the On timer to work.

Setting the ON TIME VOLUME
In this function, you can set the volume of the TV antomatically tuning on.

Setting the Sleep Time
You don't have to remember to switch the TV to standby mode before you go to sleep. The sleep timer automatically turns the TV off after the preset time elapses.
Press the **SLEEP** button to select the desired sleep time.
Each time you press this button, the sleep time is displayed one by one as shown below. The timer begins to count down from the number of minutes selected.

Ⓞ- - - →**10** →**20**→**30** →**60** →**90** →**120**→**180**→**240**

Notes:
•After a few seconds, the desired sleep time will disappear and be operated automatically.
•To view the remaining sleep time, press the
SLEEP *button once and the remaining sleep time will be displayed.*
*•To cancel the sleep time, select the **Sleep** Ⓞ- - - mode by using the **SLEEP** button.*

Auto Off
If there is no input signal, the TV is switched to standby mode automatically in 10 minutes.

Key Lock
The TV can be set so that the remote control is needed to control it.This feature can be used to prevent unauthorized viewing.

Note :
*•With the key lock on, the display **Key lock** appears on the screen if any button on the front panel is pressed while viewing the TV.*
•This is programmed to remember which option it was last set to even if you switch the TV from standby mode.

Adjusting the Fine
This function is to adjust the picture if poor signal received from broadcasters causing horizontal stripe, twisted picture, no color, and/or noise.
1. Press the **MENU** button and then ▲ / ▼ button to select the channel menu.
2. Press the ▶ and then ▲ / ▼ button to select **Fine**.
3. Press the ◀ / ▶ button to tune the desired picture condition.
4. Press the **OK (■)** button to memorize.
5. Repeatedly press the **MENU** button to exit.
Notes :
•To release the memorized fine tuning, program again the fine-tuned channel by AUTO PROGRAM.
•If the finely tuned channel is memorized, the color of the channel number changes to yellow.

Energy saving (some models)
Setting energy saving to on, the screen will be dark, and then exit from main menu, the Energy saving OSD will be displayed .
Notes:
1.About after 10s, this OSD will disappear, TV enter energy saving mode.
2.In energy saving mode ,the local key can make TV return to normal mode ,even though key lock is set to ON.

Picture control

Auto Picture Control

You can select picture modes programmed at factory as you prefer.

Using the APC button(some models)
1. Press the **APC** button.
2. Press the **APC** button to select **Clear**, **Optimum**, **Soft** or **User**.
3. Press the **MENU(■)** button to exit.

Adjusting the Picture
This is the function to manually adjust the desired picture levels **(Contrast**, **Brightness**, **Color**, **Sharpness**, **Tint)** of the screen as you like. If the picture you set is not satisfactory, you can select a factory preset picture. In the broadcasting system PAL-M/N and Component mode, the picture item **Tint** is not displayed.

XD (some models)

XD is LG Electronic's unique picture improving technology to display a real HD source through an advanced digital signal processing algorithm.

Sound control (some models)

Enjoying the Stereo/SAP Broadcast (some models)

This TV set can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program, as the system to be transmitted one additional sound signal as well as the original one. MTS function doesn't operate in the video mode.

Using the MTS Button
1. Press the **MTS** button to select your desired MTS mode.
   Each time you press this button, the **MONO**, **STEREO** or **SAP** mode appears in turn.
2. Press the **ENTER (■)** button to exit.

Note:
* *Stereo or SAP can only be received if the TV station transmits those signals, even though you have selected **STEREO** or **SAP**.*
* *Mono sound is automatically received if the broadcast is only in Mono; even though **STEREO** or **SAP** has been selected.*
* *Select **MONO** if you want to listen to mono sound in remote fringe areas during stereo/SAP broadcasting.*

Auto Sound Control
You can enjoy the best sound without any special adjustment because this TV set automatically adjusts the sound appropriate to viewing program character by self-intelligence.
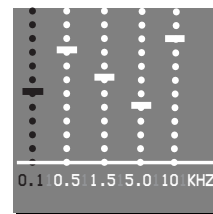
AVL (Auto Volume Leveler)
AVL automatically keeps on an equal volume level even if you change channels.

Adjusting the balance
1. Press the **MENU** button and then use ▲ / ▼ button to select the Sound menu.
2. Press the ▶ and then ▲ / ▼ button to select **Balance**.
3. Press the ▶ and then ◀ / ▶ button to adjust the balance level.
4. Press the **MENU** button to exit.

Adjusting the Equalizer Setting (some models)

Note:
*In some models,the **Equalizer setting** will not display,but there will be **Treble,Bass.***

Turbo Sound (some models)
With this function sound will be more emphasized and amplified than normal sound. You can enjoy the Turbo sound so much better than normal sound.
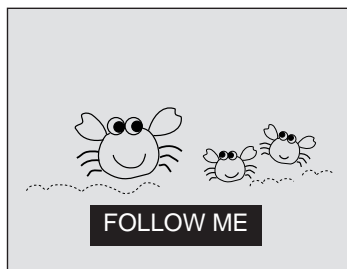
Closed caption function

Closed captioning is a process which converts the audio portion of a television program into written words, which then appear on the television screen in a form similar to subtitles. Closed captions allow viewers to read the dialogue and narration of television programs.

Using Closed Captions

Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. It's possible to caption a live program by using a process called "real-time captioning", which creates captions instantly. Real-time captioning is normally done by professional reporters using a machine shorthand system and computer for translation into English. Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.
• The picture at left shows a typical caption.

FOLLOW ME

Caption Tips

• Not all TV broadcasts include closed caption signals.
• Sometimes TV stations broadcast two different caption signals on the same channel. By selecting MODE 1 or MODE 2, you can choose which signal you view. MODE 1 is usually the signal with the captions, while MODE 2 might show demonstration or programming information.
• Your TV might not receive caption signals normally in the following situations.

Operating the Caption

Using the CAPTION button

1. Press the **CAPTION** button.
2. Press the **CAPTION** button to select **OFF**, **Mode 1**, **Mode 2**, **Text 1** or **Text 2**.
3. Press the **ENTER (■)** button to exit.

Using the MENU button

1. Press the **MENU** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ and then ▲/▼ button to select **Caption**.
3. Press the ▶ button and then use ◀/▶ button to select **Off**, **Mode 1**, **Mode 2**, **Text 1** or **Text 2**.
4. Press the **MENU** button to exit.

Note : This TV is programmed to remember which mode it was last set to, even if you turn the TV off.

Connecting an Outdoor Antenna

For the best reception, we recommend you use an outdoor antenna.
Severely weathered antennas and antenna cables can reduce the signal quality. Before connecting it, necessarily inspect them. Any service center can explain the various outdoor antennas available to you.
Note:Rod Antenna Sold Seperately.

300 Ohm Flat Wire
1. Connect the 300 ohm flat wire to screws on the 300 ohm to 75 ohm adapter.
2. Push the end of 300 ohm to 75 ohm adapter into 75 ohm antenna jack.

75 Ohm Coaxial Cable
1. Connect the 75 ohm coaxial cable directly to the 75 ohm antenna jack.

Connecting a CATV Cable

If you subscribe to a CATV system, change the antenna connection as described below.

1. Remove the 300 to 75 ohm adapter or the cable from the set if attached.
2. Connect the CATV cable (75 ohm coaxial cable) to the 75 ohm antenna jack.

connection of additional equipment

You can connect additional equipment, such as VCRs, camcorders etc. to your set.Here shown may be somewhat different from your set.
This is an example drawing of typical jack layout.

1. **IN 1** JACKS : Connect external equipment outputs (VCR, LASER DISC, CAMCORDER) to these inputs. Press the **TV/VIDEO** button to select **Video 1**.
2. **IN 2** JACKS : Connect external equipment outputs (VCR, LASER DISC, CAMCORDER) to these inputs. Press the **TV/VIDEO** button to select **Video 2** (option).
3. **OUT** JACKS: Connect external equipment inputs (VCR, Audio amplifier) to these outputs for recording or monitering the selected program.

Note:
This TV is programmed to remember which mode it was last set to, even if you turn the TV off.

If the VCRs are connected to Video 2(option) and Side AV(option) at the same time, only the Side AV program will be displayed.

Connecting AUDIO/VIDEO IN Jacks

1. Connect the audio/video output jacks of the VCR to **IN 1** or **IN 2**(A/V) jacks on the side or back of TV.
2. Press the **TV/VIDEO** button to select **Video1** or **Video2** .
3. Press the **PLAY** button on the VCR.
   The video playback is on the TV screen.
Note: *In case of MONO VCR, connect the output jack of VCR to the **AUDIO L/MONO IN** jack of TV so that the sound can be heard from both speakers. If you connect it to the **AUDIO R IN** jack of TV the sound is heard only from right speaker.*
Side AV jack can not support AUDIO L/MONO IN fuction.

VCR Recording(some models)

Note: *In some mono models, when the input jacks on the front panel and back panel are connected to external equipments at the same time, the input jacks on the front panel have priority over the input jacks on the back panel of the TV.*

1. Connect the audio/video input jacks of the recording VCR to the **OUT** (A/V) jacks on the back.
2. Select the program number on the TV.
3. Set the recording VCR to record.

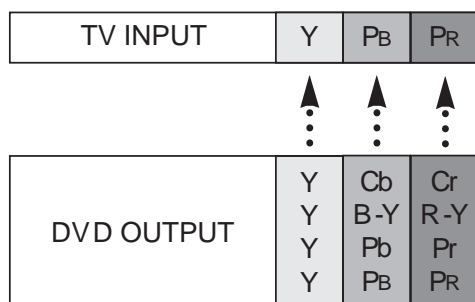## Recording a program from connected other equipment (some models)

1. Connect the output jacks of the playback VCR to the **IN 1** or **IN 2** (A/V) jacks on the side or back of TV.
2. Connect the input jacks of the recording VCR to the **OUT** (A/V) jacks on the back of TV.
3. Press the **TV/VIDEO** button to select **Video 1** or **Video 2**.(option)
4. Press the **PLAY** button on the playback VCR and set the recording VCR to record.

• Connect component video inputs to Y, P$_B$, P$_R$(480i) and audio **IN2(or IN1)** to audio(L/R) ports.

Note: This TV is programmed to remember which mode it was last set to, even if you turn the TV off.

1.How to connect

TV INPUT	Y	P$_B$	P$_R$

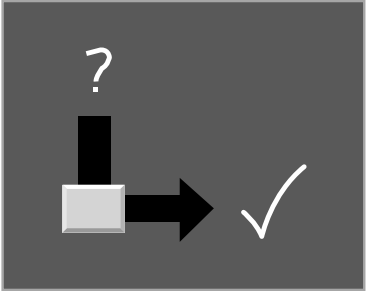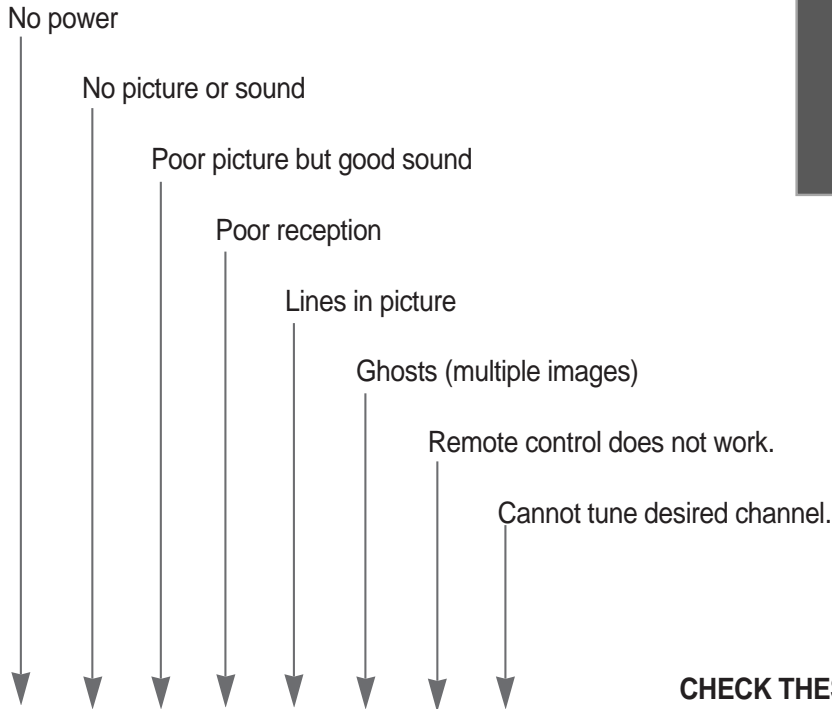| DVD OUTPUT	Y	Cb	Cr
	Y	B-Y	R-Y
	Y	Pb	Pr
	Y	P$_B$	P$_R$

2.How to use

• Turn the set on and press the **TV/VIDEO** button on the remote control or **TV/VIDEO** button on the front panel to select **COMPONENT**.

•Try this after turning on the DVD set.

SYMPTOMS

No power

No picture or sound

Poor picture but good sound

Poor reception

Lines in picture

Ghosts (multiple images)

Remote control does not work.

Cannot tune desired channel.

CHECK THESE THINGS

	No power	No picture or sound	Poor picture but good sound	Poor reception	Lines in picture	Ghosts (multiple images)	Remote control does not work.	Cannot tune desired channel.	
Is power cord plugged in?	✓								
Is television turned on?	✓								
Check batteries in remote control.	✓						✓		
Try another channel (station trouble).		✓	✓	✓	✓	✓		✓	
Check antenna connectings.		✓	✓	✓	✓				
Check for local interference.			✓	✓	✓				
Adjust the antenna.			✓	✓	✓				
Adjust the picture control.			✓	✓	✓				
Program channel using AUTO PROGRAM.			✓	✓	✓			✓	