

User Manual

20PFL4122

Quick Start Guide Inside !

用户手册

内附快速使用指南!



English

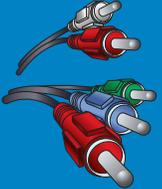
中文

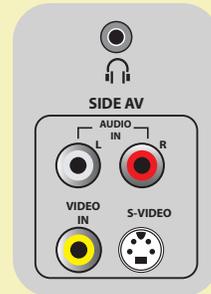
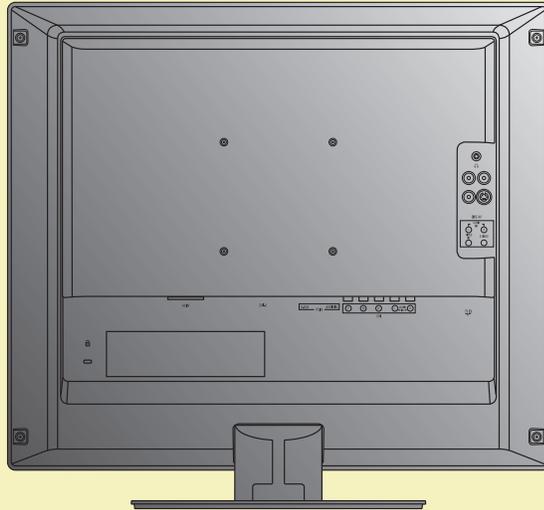
Model No.: \_\_\_\_\_  
Serial No.: \_\_\_\_\_

**PHILIPS**

## How to make the optimal connection?

### 如何进行最佳连接？

	<p>Best Component Video input Provides superior picture quality by separating the green, blue and red luminance signals. Typically used with red/white audio cables.</p>	<p>最好 分量视频输入 通过将绿色、蓝色和红色亮度信号分离，提供卓越的画面质量。 通常配合红色/白色音频线使用。</p>
	<p>Better S-Video Supplies a better picture than RF and Composite connections. Used with red/white audio cables.</p>	<p>很好 S 视频 提供比 RF 和复合连接更好的画面质量。 配合红色/白色音频线使用。</p>
	<p>Good Composite Audio/Video Separate video (yellow) and audio (red/white) cables that provide a basic connection from the cable box and other devices. Note: The color of audio inputs may differ, e.g. red/ white or red/ black.</p>	<p>好 复合音频/视频 分离视频（黄色）和音频（红色/白色）线，通过有线盒和其它设备提供基本连接。 注意：音频输入的颜色可能不同，如红色/白色或红色/黑色。</p>
	<p>Basic RF Provides a basic connection for antenna or cable. Provides both audio and video.</p>	<p>基本 RF 为天线或有线提供基本连接。 提供音频和视频。</p>



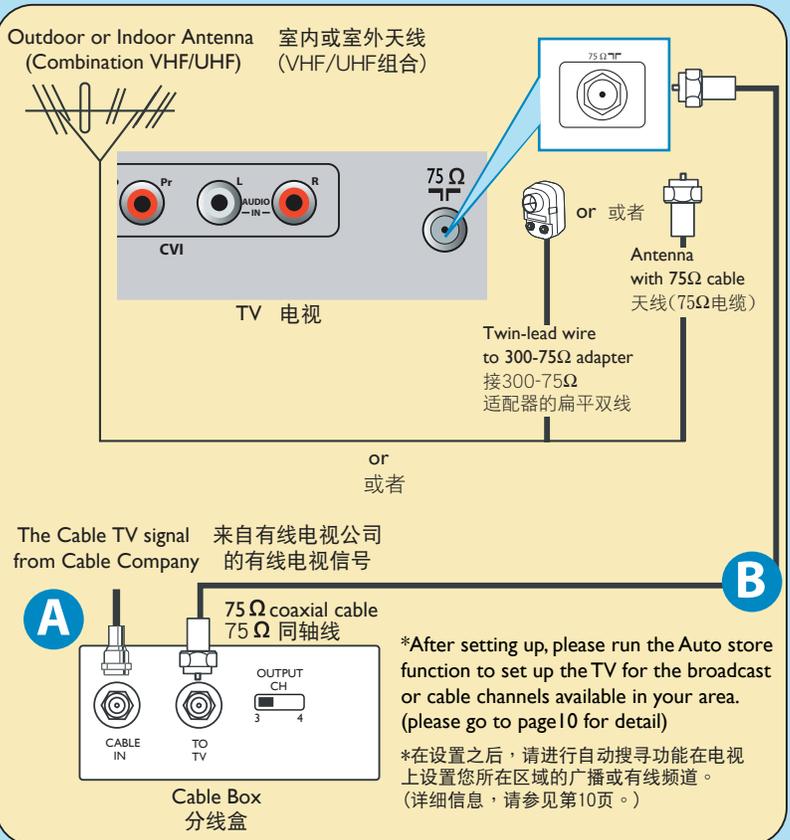
AC IN  
 DVI-D - Digital video interface, Audio input (shared w/ PC)  
 PC IN - D-SUB, Audio input  
 CVI - Component (YPbPr), Audio L/R input  
 75 Ω /RF  
 Side AV - Audio L/R input, Video input, S-video  
 Earphone

AC IN  
 DVI-D - 数字视频接口、音频输入(与PC共用)  
 PC IN - D-SUB、音频输入  
 CVI - 分量 (YPbPr)、左/右音频输入  
 75 Ω /RF  
 Side AV - 左/右音频、视频输入、S 视频  
 耳机

**1** Cable Box With RF In / Outputs  
Antenna TV  
分线盒  
(带有RF输入/输出)  
天线电视



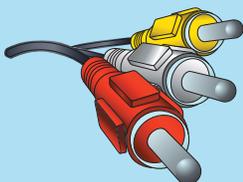
RF



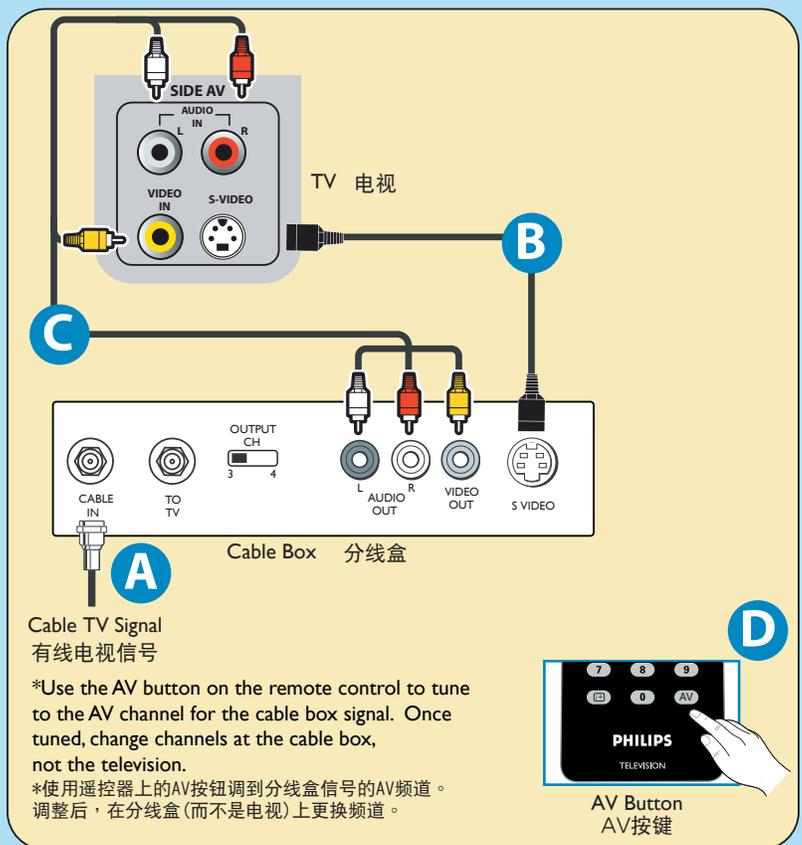
**2** Cable Box With Audio / Video Outputs  
分线盒  
(带有声音/视频输出)



S-Video



Composite Audio/Video Input



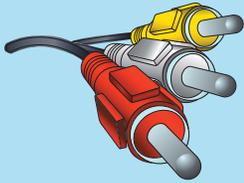
3

### VCR, DVD Player, Or Other Devices With RCA Connectors

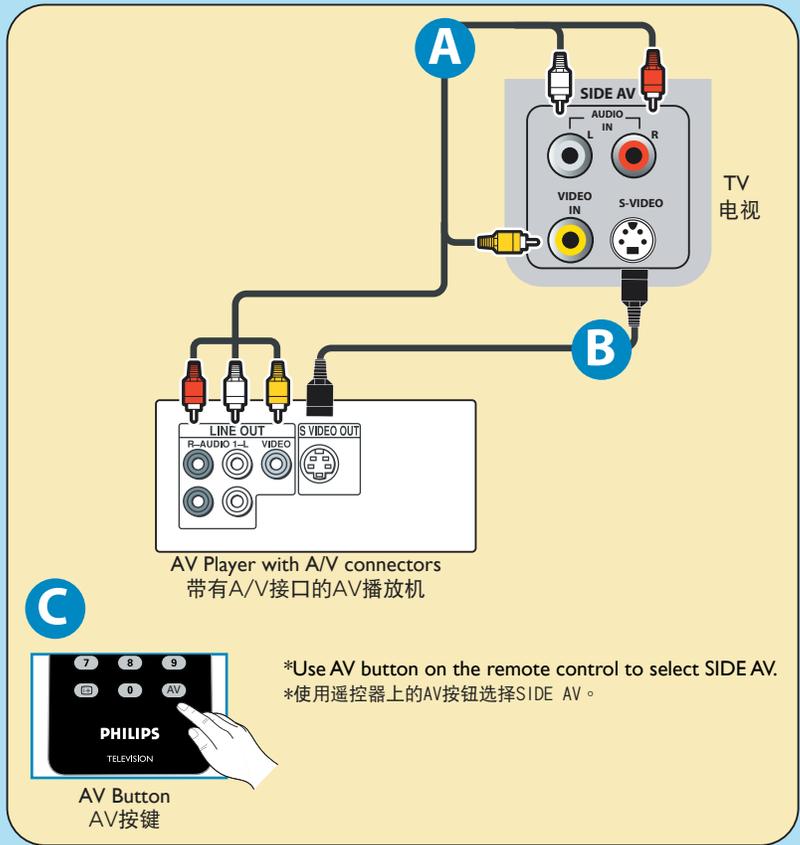
VCR, DVD播放机或带有 RCA 连接器的其它设备



S-Video



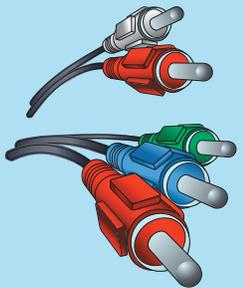
Composite Audio/Video Input



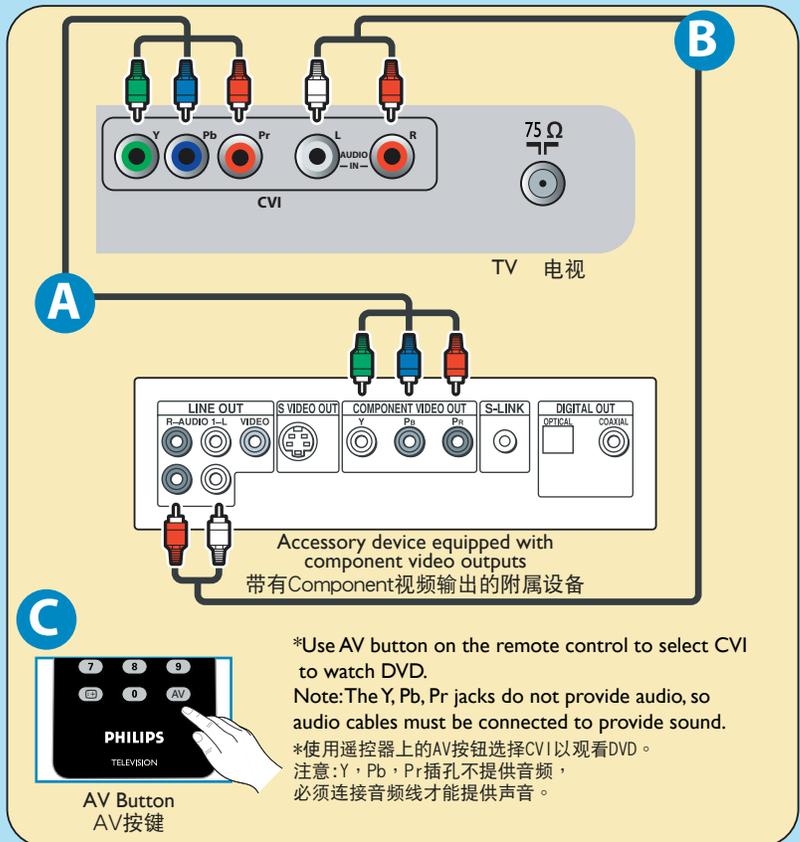
4

### DVD Player Or Other Video Devices With Component Video Connectors

DVD播放机或其它带有 Component视频连接器的视频设备

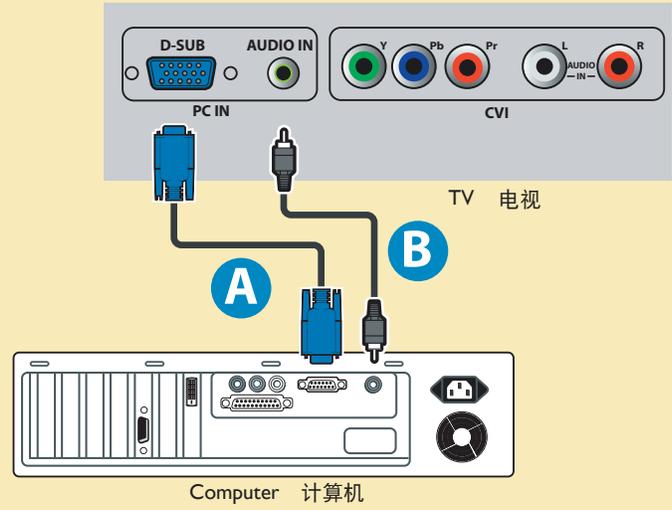


Component Video Input



# 5

## PC (Monitor) Connections PC (显示器)连接



\*Use AV button on the remote control to select PC to use your LCD TV as a PC monitor.  
\*使用遥控器上的AV按钮选择PC，以将液晶电视用作PC显示器。

# PHILIPS

*Congratulations on your purchase,  
and welcome to the “family!”*

**Dear PHILIPS product owner:**

Thank you for your confidence in PHILIPS. You’ve selected one of the best-built, best-backed products available today. We’ll do everything in our power to keep you happy with your purchase for many years to come.

Know these

## safety symbols



 This “bolt of lightning” indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

 The “exclamation point” calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

**WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**For Customer Use**

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

# IMPORTANT SAFETY INSTRUCTIONS

## Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings.  
Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged;
  - B. Objects have fallen, or liquid has been spilled into the appliance;
  - C. The appliance has been exposed to rain
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance;
  - E. The appliance has been dropped, or the enclosure damaged.
16. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
  - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
  - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
17. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
18. **Power Lines** - An outdoor antenna should be located away from power lines.
19. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
20. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
21. **Battery Usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
  - Install all batteries correctly, with + and - aligned as marked on the unit.
  - Do not mix batteries (old and new or carbon and alkaline, etc.).
  - Remove batteries when the unit is not used for a long time.
22. For ventilation, leave at least 4" to 6" free all around the TV. Do not place the TV on a carpet.
23. The equipment shall not be exposed to dripping or splashing.
24. The equipment shall not be exposed to rain or moisture and objects filled with liquids, such as vases, shall be placed on the apparatus.
25. The apparatus must be connected to a mains socket outlet with a protected earthed connection.
26. The appliance coupler is used as the disconnect device of this apparatus, the disconnect device shall remain readily operable.

## Precaution

### ADDITIONAL SAFETY PRECAUTIONS

- ENSURE that LCD TV stand is tightened properly to the set on the right way of tightening of the screw of the stand to the set. Improper tightening of screw may render the set unsafe.
- If LCD TV is installed on the wall, installation should be carried out by qualified servicemen. Improper or incorrect installation may render the set unsafe.
- Disconnect main plug when :
  - cleaning the TV screen, never use abrasive cleaning agents.
  - there is a lightning storm.
  - the set is left unattended for a prolonged period of time.
- Do not shift or move the LCD TV around when it is powered on.
- Do not touch, push or rub the surface of the LCD screen with any sharp or hard objects.
- When the surface of the LCD screen becomes dusty, wipe it gently with an absorbent cotton cloth or other soft material like chamois. DO NOT USE acetone, toluene or alcohol to clean the surface of the screen. These chemicals will cause damage to the surface.
- Wipe off water or saliva as soon as possible. These liquids can cause deformation and color fading of the LCD screen when left exposed for some time.
- Be careful of condensation when temperature changes occur. Condensation can cause damage to the LCD screen and electrically parts. After condensation fades, spots or blemishes will be present on the LCD screen.

### POSITIONING THE LCD TELEVISION

- Place the LCD TV on a solid, sturdy base or stand. Be sure the stand is strong enough to handle the weight of the LCD TV.
- Try to leave at least 6” of space around each side of the LCD TV cabinet to allow for proper ventilation.
- Do not place the LCD TV near a radiator or other sources of heat.
- Do not place the LCD TV where it can be exposed to rain or excessive moisture.

### RECYCLING PROCEDURE/END OF LIFE DISPOSAL

- To minimize harm to the environment, the batteries supplied with the LCD TV do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available in your area.
- The LCD TV uses materials that can be recycled. To minimize the amount of waste in the environment, check your area for companies that will recover used televisions for dismantling and collection of reusable materials, or contact your dealer for TV recycling tips.
- Please dispose of the carton and packing material through the proper waste disposal management in your area.

Here are a few of the special features of your new LCD TV.

**Audio/Video In Jacks:** Use to quickly connect other equipment to your LCD TV.

**Automatic Channel Storing (Auto Store):** Quick and easy setup of available channels.

**On-screen Menus:** Helpful messages (in English or Simplified Chinese) for setting TV controls.

**Remote Control:** Works your LCD TV features.

**Sleep Timer:** Turns off the LCD TV within an amount of time you specify (0-180 minutes from the current time).

**AutoLock:** Lets you block viewing of certain TV channels if you do not want your children viewing inappropriate material.

**Standard broadcast (VHF/UHF) or Cable TV channel capability.**

**Stereo capability:** Includes a built-in amplifier and twin-speaker system, allowing reception of TV programs broadcast in stereo.

**Treble, Bass, and Balance:** Enhance the LCD TV's sound.

Care of the screen See Tips, p. 25



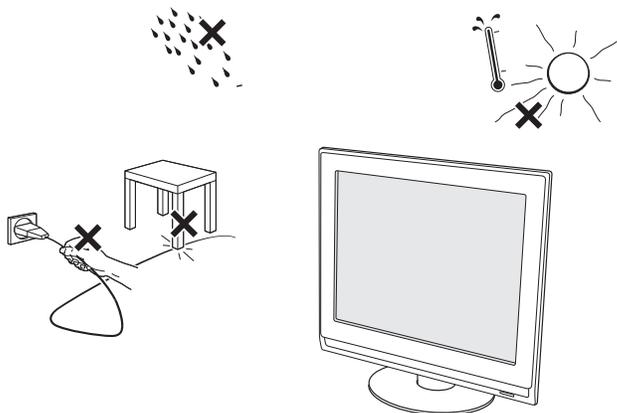
### End of life directives - Recycling

Philips has paid a lot of attention to producing an environmentally friendly product. Your new TV contains several materials that can be recycled for new uses. At the end of its life, specialized companies can dismantle and recycle this set. This will minimize the amount of materials being disposed of. Please be sure to dispose of this set in accordance with all state and local regulations.

## Contents

<b>Welcome</b> .....	1
<b>IMPORTANT SAFETY INSTRUCTIONS</b> .....	2
<b>Precaution</b> .....	3
<b>Contents</b> .....	4
<b>Preparation</b> .....	5
<b>Wall mounting</b> .....	5
<b>Use of the remote control</b> .....	6
<b>Buttons on the top of the TV</b> .....	8
<b>To use the menus</b> .....	9
How to navigate through the Settings menu	9
<b>Introduction</b> .....	9
<b>TV menu</b> .....	10
Install	10
Select the menu language	10
Auto store TV channels	10
Manual store, Prog. no, Finetune, Store	11
Channel setting, Channel edit, Channel swap,	12
Name edit, Channel sort	12
Factory reset	13
Features menu	14
Picture menu	16
Sound menu	18
<b>Record with your recorder</b> .....	19
Record a TV program	19
<b>PC menu</b> .....	21
Picture menu	22
Sound menu	22
<b>Trouble shooting tips</b> .....	23
<b>Glossary</b> .....	24
<b>Care and cleaning</b> .....	25
<b>Specification</b> .....	26

- ❶ **Do not insert the power plug in a wall socket before all connections are made.**



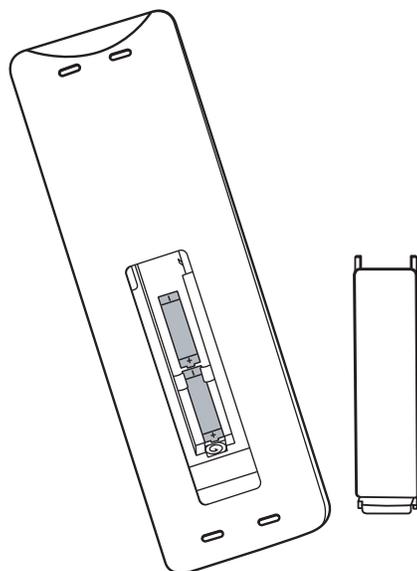
Place the TV on a solid surface. For ventilation, leave at least 4" to 6" free all around the TV. Do not place the TV on a carpet. To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed in the vicinity. Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be exposed to dripping or splashing.

### Mounting the TV on the wall

This TV set complies with the VESA standard for wall mounting. Refer to specification page 26 for detail.

**Caution:** Installing the TV requires special skills that should only be performed by qualified personnel. You should not attempt to do the work yourself. Philips bears no responsibility for improper mounting or mounting that results in accident or injury.

Make sure that the wall mount is being fixed securely enough so that it meets safety standards.



- ❷ **To connect accessory devices, see Cover and Connection.**
- ❸ **Refer to the bottom of the set (Model label) for the correct operation voltage.**

Insert the power cord into the wall socket. Consult your local dealer if your main power supply voltage is different than that indicated for the TV. Never place the TV on top of the (AC) cord. Placing the TV on top of the AC cord could cause a fire or electric shock.

- ❹ **Remote control:**  
Insert the two supplied AAA batteries. The batteries supplied do not contain the heavy metals mercury and cadmium. Please determine and comply with local regulations when disposing of depleted batteries.

- ❺ **Turn the TV on:**  
Press the power switch  on the top of the TV. An indicator on the front of the TV lights up. Press the **POWER** button or the **P +/-** button on the remote control. Alternatively, press the **MENU** button or **PROGRAM +/-** button on the top of the TV.

## Use of the remote control

Note: Pressing most buttons once will activate the assigned function. Pressing a second time will de-activate it. When a button enables multiple options, a small list will be shown. Press repeatedly to select the next item in the list. The list will be removed automatically after six seconds or press **OK** to remove immediately.



### POWER

Press to turn the LCD TV on or off.



### Sleep button

Press to set the LCD TV to turn itself off within a certain time.



### Smart Sound button

Press repeatedly to select among the 5 settings: Personal, Speech, Music, Movie, or Multimedia.



### Smart Picture button

Press repeatedly to select either Personal, Rich, Nature, Soft, or Multimedia of picture setting.



### MENU

Press menu to activate on screen menu on/off.

### VOL +/-

Press + or - to adjust the volume.



### A/CH button

Press to go to previously selected channel.



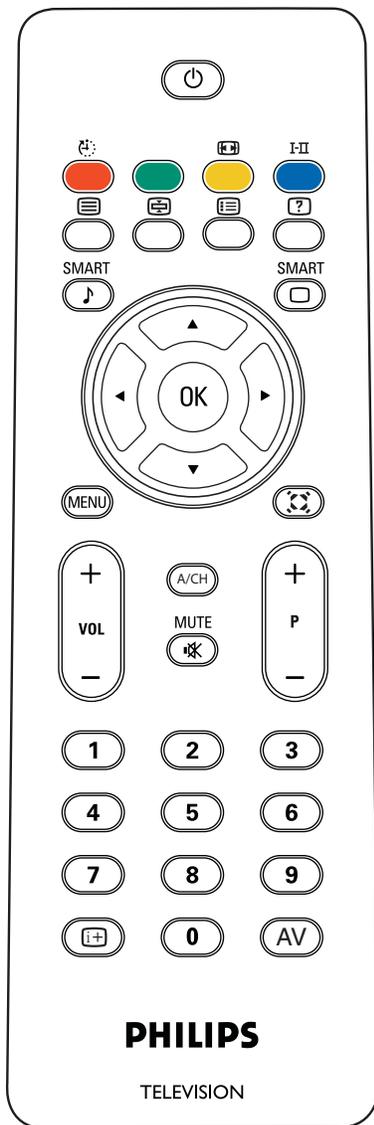
### Information button

Press to see the current channel number on the TV screen.

### Teletext button

Press to activate teletext on/off.

Note: Teletext is only available in some of the Asia Pacific TV systems.



### Picture Format button

Press the FORMAT button repeatedly to toggle among the four screen format sizes: 4:3, Expand 4:3, Compress 16:9, HD4:3.



### I-II button / Sound mode

Press repeatedly to select Mono, Stereo, Dual I, Dual II, Nicam Mono, Nicam Stereo, Nicam Dual I, Nicam Dual II.

Note: The sound mode selections depend on TV program and broadcast TV channel of that region.



### Incredible Surround button

Adds greater depth and dimension to TV sound.

Select from Incredible surround On or Incredible surround Off.



### Mute button

Press to eliminate or restore the LCD TV sound. Mute will appear on the screen when the sound is muted.

### P +/-

Press to adjust the channel up or down.

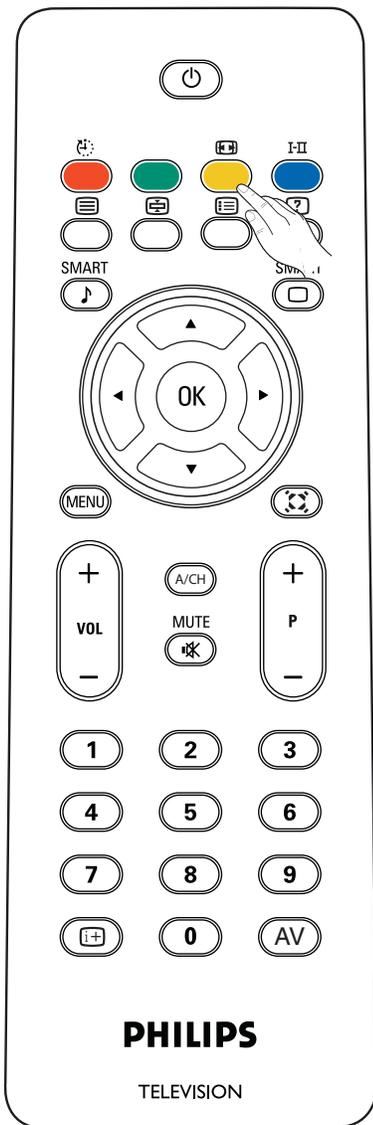
### Number button

Press the number buttons for direct access to the TV channels. For 2 digit channel, enter the 2nd digit after enter 1st digit.



### AV button

Press to select the video input source: TV, CVI, AV, PC, DVI.



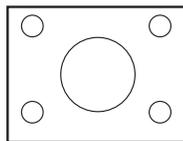
## FORMAT

Press this button to display a list of available display formats. Available display formats are determined by the type of signal you are receiving.

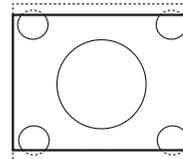
To choose the display format you prefer, press the FORMAT button repeatedly:

For 20PFL4122

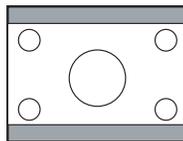
4:3, Expand 4:3, Compress 16:9, HD 4:3.



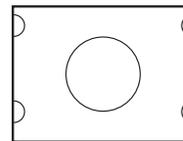
**4 : 3**



**Expand 4 : 3**



**Compress 16 : 9**

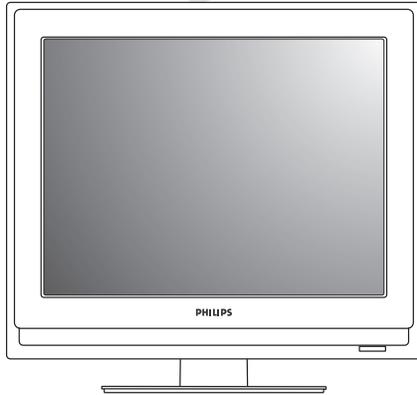
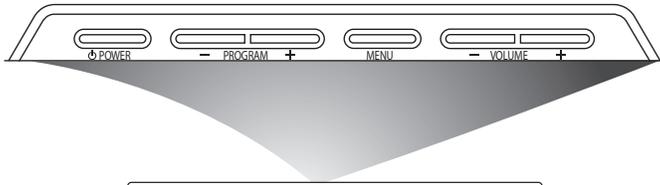


**HD 4 : 3**

### Note:

- For 720p/1080i, the default picture format will be 4:3 at HD and DVI modes. And the picture format function can be accessible.
- For 576i/576p, the picture format function is accessible at HD and DVI modes.
- For PC mode, the default picture format will be Full screen and picture format function will not be accessible.

## Buttons on the top of the TV



Should your remote be lost or broken you can still change some of the basic settings with the control buttons on your TV.

Press:

- the  $\Phi$  button to switch the TV on or off.
- the + **VOLUME** -button to adjust volume;
- the + **PROGRAM** -buttons to select the TV channels or sources, and can also switch the TV on during standby mode.

The **MENU** button can be used to display the Settings menu without the remote control. **MENU** button can also Exit the menu, and switch the TV on during standby mode.

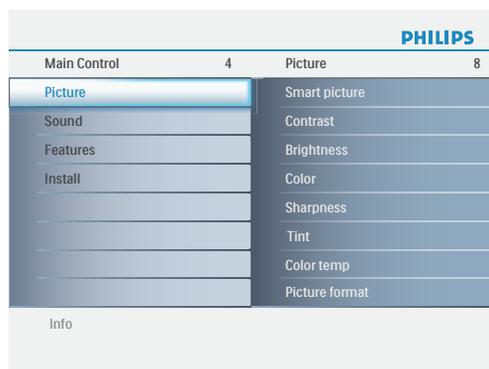
Use:

- the + **VOLUME** - buttons and the + **PROGRAM** - buttons to select menu items in the directions as shown;
- the + **VOLUME** button to confirm your selection.

## Introduction

When you use a menu or take an action, convenient instructions, help texts and messages will be displayed on your TV. Please, follow the displayed instructions and read the help text on the specific item highlighted.

The color buttons perform different actions, when using on screen menu. By pressing the corresponding color button on the remote control to perform the required action when using these menus.



## How to navigate through the Settings menus

The Settings menu allows you to access and change settings and preferences settings.

- Press the **MENU** button on the remote control to display the Settings menu.
- Use cursor up/down to highlight and select a menu item on the left panel.

The right panel shows the content of the menu you have highlighted in the left panel.

*Note: Sometimes not all the menu items are visible on the screen. Use cursor down to scroll down to additional items.*

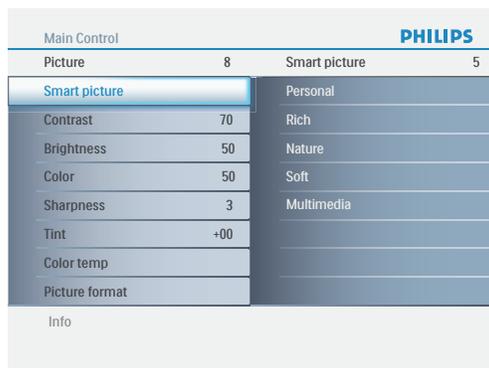
- Use the cursor right to enter the right panel.

The content of the right panel is moved to the left panel and the right panel shows the content of the newly highlighted item in the left panel.

*Note: In some cases, you will want to watch the picture on your screen while adjusting settings. This means that when the highlight is on the right side panel, the other menu items are hidden. When the cursor left is pressed again, the hidden menu items re-appear and the highlight moves to the left panel.*

- Press the cursor left to go one menu level up again.
- Press the **OK** button on the highlighted item to activate and to dismiss the menu.
- Press the **MENU** button again to exit the Settings menu.

*Note: The menu is also dismissed by pressing one of the color buttons (if present) referring to certain actions which may be executed.*





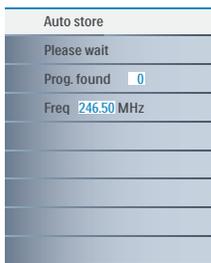
### Select the menu language

- 1 Press the **MENU** button on the remote control.
- 2 Use the cursor down to select **Install** in the Settings menu.
- 3 Use the cursor right to enter the Install menu.
- 4 Select **Language** and enter the list of available languages with the cursor right.
- 5 Select your preferred language with the cursor up/down and press the **OK** button to confirm your selection.
- 6 Proceed with the Install menu.



### Auto store TV channels

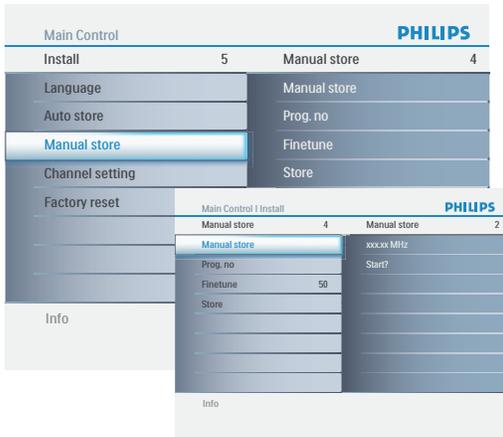
- 1 Press the **MENU** button on the remote control.
- 2 Use the cursor down to select **Install** in the Settings menu.
- 3 Use the cursor right to enter the Install menu.
- 4 Press cursor down to select **Auto store** in the Install menu.
- 5 Use the cursor right to enter the **Auto store** menu and press **OK** to start scanning of channels.



Auto storing may take up to 3 minutes to complete. Please wait until you see the Auto storing is completed. The TV will then switch automatically to the first channel found.

#### Notes:

- Immediately after unpacking and plugging in your new television, run the auto store function to set up the TV for the broadcast or cable channels available in your area. If you do not run the auto store function to set up the channels, your television may not operate properly.
- After you've run Auto store, check out the results. Press P (+) or the P (-) button and see which channels you can select.
- Remember, an antenna or cable TV signal must first be connected to your LCD TV.



## Manual store

- ❶ Select **Manual store** in the Install menu.
- ❷ Press the cursor right to enter **Manual store**, and press the cursor right again to activate auto search channel frequency or press number buttons to show your desired channel frequency.
- ❸ Use the cursor right to start searching.



## Prog. no

- ❶ Select **Prog. no** in the Manual store menu.
- ❷ Press the cursor right to enter it, when the channel frequency is confirmed.
- ❸ Press the cursor up/down to adjust the channel number.
- ❹ Press the cursor right/left to confirm the channel.



## Finetune

- ❶ Select **Finetune** in the Manual store menu.
- ❷ Press the cursor right to enter **Finetune**.
- ❸ Press the cursor up/down to adjust.
- ❹ Press the cursor right/left to confirm.



## Store

- ❶ Select **Store** in the Manual store menu.
- ❷ Press the cursor right to enter **Store**.
- ❸ Press the cursor right to confirm stored.

Note:  
If the channel reception is satisfactory, please go to page 12.



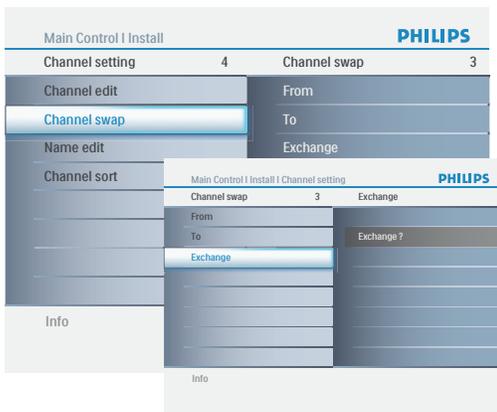
## Channel setting

- 1 Select **Channel setting** in the Install menu.
- 2 Press the cursor right to enter **Channel setting**.
- 3 Use the cursor up/down to toggle among **Channel edit**, **Channel swap**, **Name edit**, or **Channel sort**.
- 4 Press the cursor right to enter the selection.



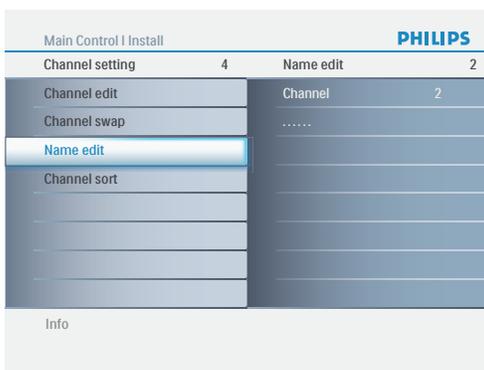
## Channel edit

- 1 Select **Channel edit** in the Channel setting menu.
- 2 Press the cursor right to enter it.
- 3 Use the cursor up/down to select the channel that you want to add or remove.
- 4 Press the cursor right/left to confirm.
- 5 Select **Skipped** in the Channel edit menu.
- 6 Use the cursor up/down to select **Active** (to add) or **Skipped** (to remove) the channel you selected.
- 7 Press the cursor right/left to confirm.



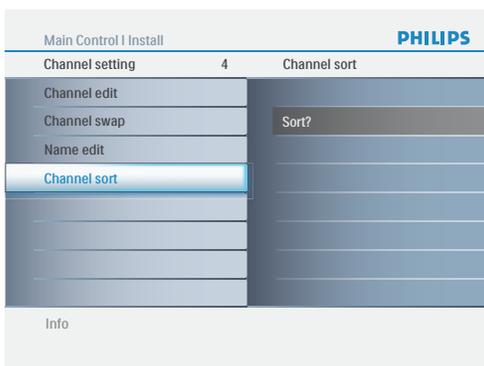
## Channel swap

- 1 Select **Channel swap** in the Channel setting menu.
- 2 Press the cursor right to enter it.
- 3 Use the cursor up/down to select **From** or **To** and press the cursor right to enter the selection.
- 4 Use the cursor up/down to adjust the channel and press the cursor right/left to confirm.
- 5 Select **Exchange** in the Channel swap menu.
- 6 Press the cursor right to activate Exchange or press the cursor left to inactivate it.



## Name edit

- 1 Select **Name edit** in the Channel setting menu.
- 2 Press the cursor right to enter it.
- 3 Use the cursor up/down to edit name, and press the cursor right to move to the next character.
- 4 Press the cursor left to confirm the first character and press the cursor right to confirm the last character.
- 5 Press the cursor right to confirm the name.



## Channel sort

- 1 Select **Channel sort** in the Channel setting menu.
- 2 Use the cursor right to sort the channel.
- 3 Use the cursor left to return to the previous menu.

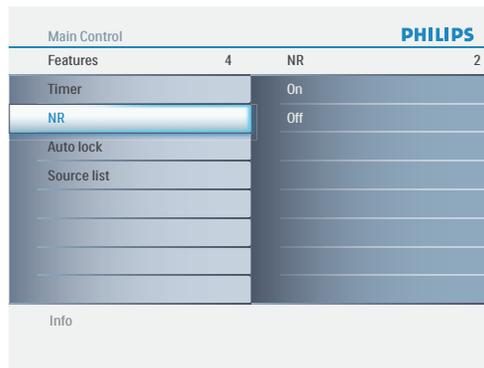


## Factory reset

- 1 Select **Factory reset** in the Settings menu.
- 2 Press the cursor right to enter **Factory reset**.
- 3 Select **Yes** and press the cursor right for resetting the original factory settings.

### Note:

*If you reset the TV to the factory settings, all your present setting on picture, sound, and other feature settings will be erased and replaced by the manufacture's default settings. However, your AutoLock access code will not be erased. Please refer to page 15 for detail.*



## Features menu

- ❶ Select **Features** in the TV Settings menu.
- ❷ Press the cursor right to enter the features menu.
- ❸ Select the menu items with the cursor up/down, and adjust the settings with the cursor left/right.

## Timer

- ❶ Select **Timer** in the Features menu.
- ❷ Use the cursor down to choose the item you want to adjust and press the cursor right to enter **Clock**, **Start time**, **Stop time**, and **Sleep timer**.

**Clock:** Allow you to set the time.

**Start time:** Allow you to set the time for turning on the TV automatically.

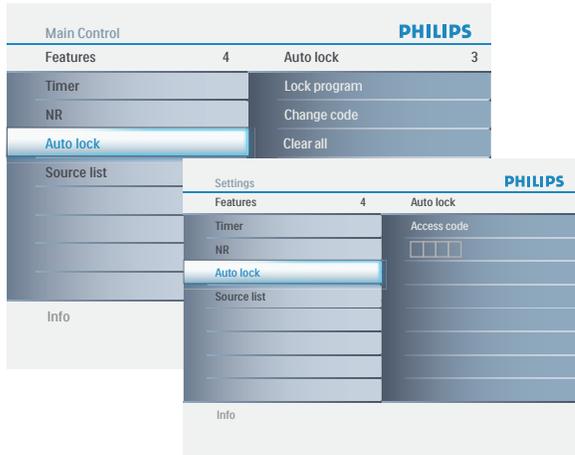
**Stop time:** Allow you to set the time for turning off the TV automatically.

**Sleep timer:** Allow you to set the time period, after which the TV will turn to standby mode automatically.  
This list will have values from 0 to 180.

## NR

Automatically filters out and reduces the image noise and improves picture quality when receiving weak video signals.

- ❶ Select **NR** in the Features menu.
- ❷ Press the cursor right to enter it.
- ❸ Use the cursor down to select **On** or **Off**.
- ❹ Press the cursor right to activate or inactivate noise reduction.



## Auto lock

The **Auto lock** feature allows you to lock channels, and prevent your children from watching unsuitable content of programmes.

**Auto lock** offers various Blocking controls from which to choose:

**Access code** - An Access code must be set to prevent children from unblocking questionable or censored programming set by their parents.

**Lock program** - Select the TV channel you want to lock.

**Change code** - To change your access code or overwriting.

**Clear all** - To unlock all locked channels and programming.

- ❶ Select **Auto lock** in the feature menu.
- ❷ Press the cursor right to enter it.
- ❸ Access code will appear on the screen.
- ❹ Enter a four-digit code using the number buttons.

### Note:

Remember that 0711 is the default Auto lock code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.



## Lock program

After your personal access code has been set, you are ready to select the channels or inputs you want to block out or censor.

- ❶ Select **Lock program** in the Auto lock menu.
- ❷ Press the cursor right to enter it.
- ❸ Use the number buttons to enter the channel which you are going to block.
- ❹ Press the cursor up/down to block the current channel.

### Note:

You can block additional channels by using the number buttons to jump to another channel.



## Picture menu

- ❶ Select **Picture** in the TV settings menu.
- ❷ Press the cursor right to enter the Picture menu.
- ❸ Select the menu items with the cursor up/down.
- ❹ Adjust the settings with the cursor left/right, and enter the list of submenu items with the cursor right. Select a submenu item with the cursor up or down.

## Smart picture

- ❶ Select **Smart picture** to display a list of predefined picture settings, each corresponding with specific factory settings. **Personal** refers to the personal preference settings of picture in the picture menu.

*Note: This Philips TV has been set at the factory to look best in bright store environments, which typically use fluorescent lighting. As your home will likely not be as well lit as a store, we recommend that you cycle through the various smart picture modes to find the one that best suits your own viewing conditions.*

- ❷ You can press the **Smart picture** button on the remote control repeatedly to select either **Personal**, **Rich**, **Nature**, **Soft**, or **Multimedia** picture settings.

*Note:*

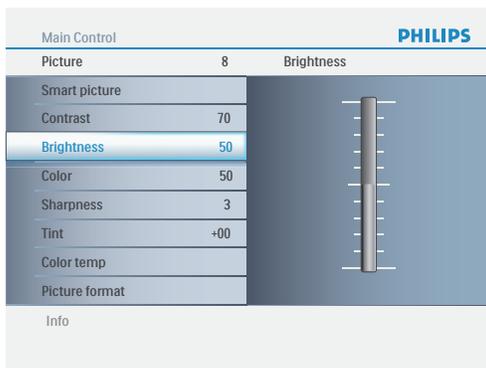
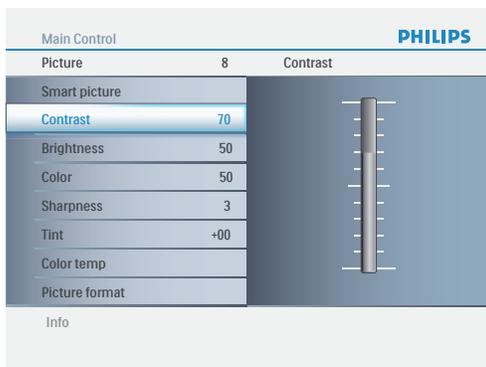
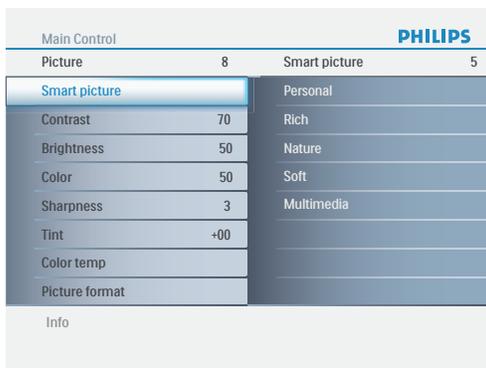
- *The moment you are in a predefined Smart picture setting and you modify the Picture menu, all values of the menu will overwrite those previously made in personal setting.*

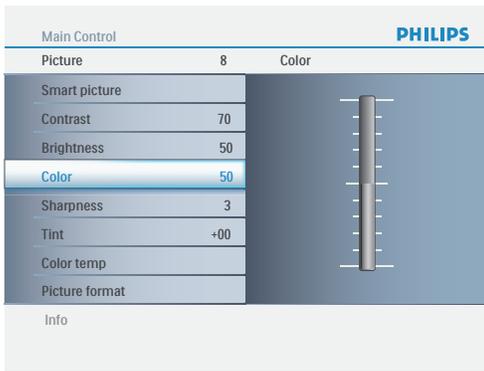
## Contrast

Adjust to “sharpen” the picture quality. The black portions of the picture become richer in darkness and the white become brighter.

## Brightness

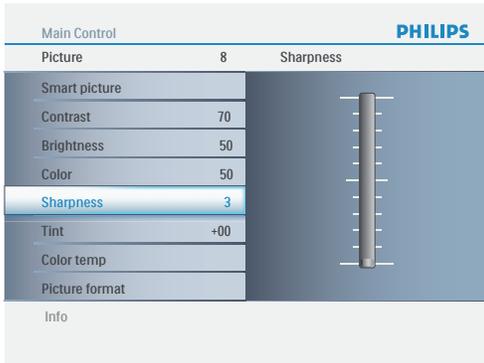
Adjust to brighten the dark parts of the picture. This appears to add white to the color.





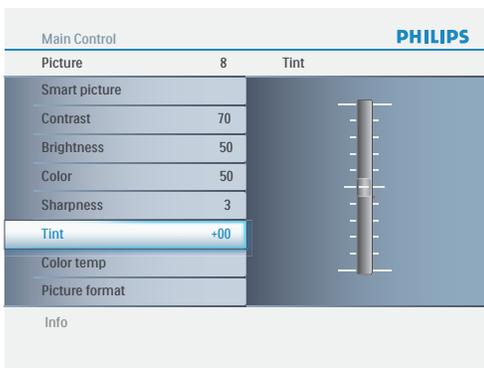
## Color

Adjust to add or reduce color.



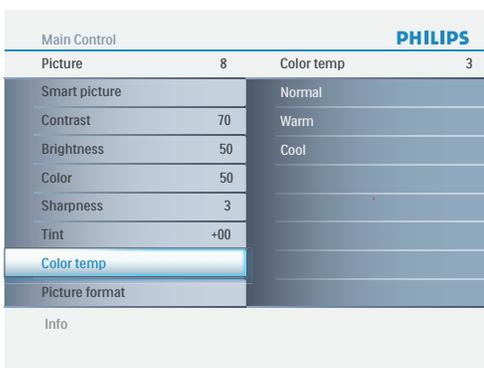
## Sharpness

Adjust to improve detail.



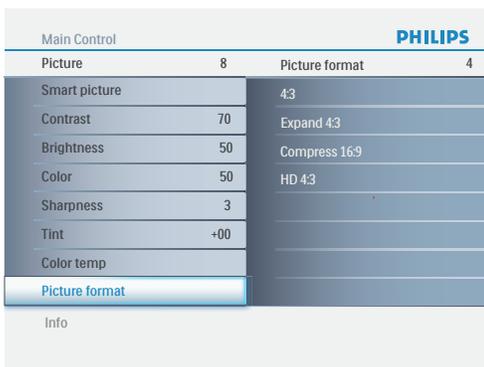
## Tint

Allows you to select the picture's color mix or hue.



## Color temp

Adjust to increase or decrease **Warm** (red) and **Cool** (blue) colors to suit personal preferences. Select **Cool** to give the white colors a blue tint, **Normal** to give the white colors a neutral tint, **Warm** to give the white colors a red tint.



## Picture format

Adjust to change the screen format to match the type of program you are watching. Please refer to page 7 for detail.

**Note:**  
Any adjustment of Brightness, Color, Contrast or Sharpness will be stored into Personal at Smart picture section.



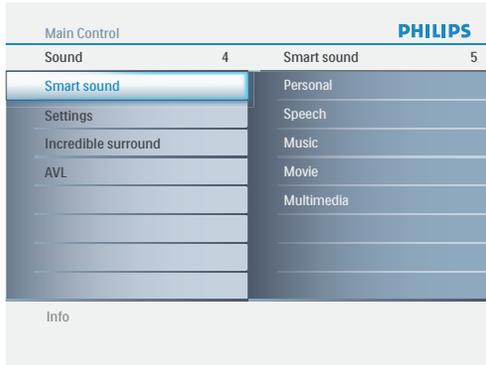
## Sound menu

- ❶ Select **Sound** in the TV settings menu.
- ❷ Press the cursor right to enter it.
- ❸ Select the menu items with the cursor up/down.
- ❹ Press the cursor right to enter the selection.

## Smart sound

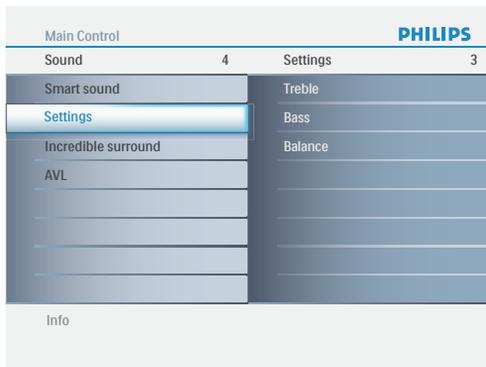
Smart sound allows you to select from four user presets and a personal mode that you set according to your own preferences through the onscreen Sound menu. The five user presets (Personal, Speech, Music, Movie, and Multimedia) enable you to tailor the TV sound so as to enhance the particular program you are watching.

- ❶ Select Smart sound in the Sound menu and press the cursor right to enter it.
- ❷ You can press the **Smart sound** button on the remote control repeatedly to toggle between **Personal**, **Speech**, **Music**, **Movie** and **Multimedia**.



## Settings

Allows you to adjust **Treble**, **Bass**, and **Balance** of the sound.



## Incredible surround

Adds greater depth and dimension to TV sound. Select from **On** or **Off**.

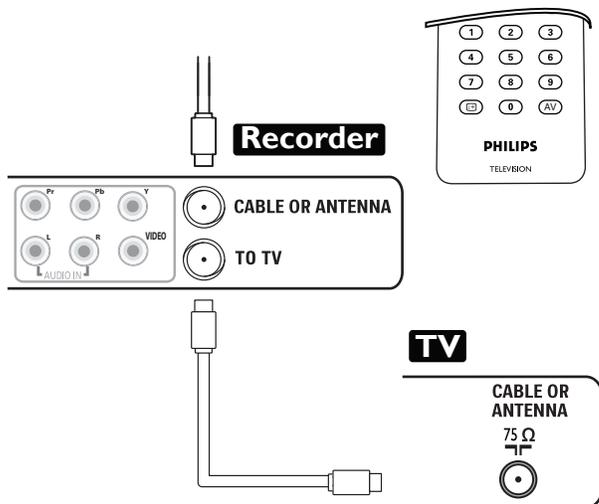


## AVL

Automatically reduces the volume differences between channels and programs, providing a more constant overall level. This will also reduce the dynamics of sound.



## Record with your recorder



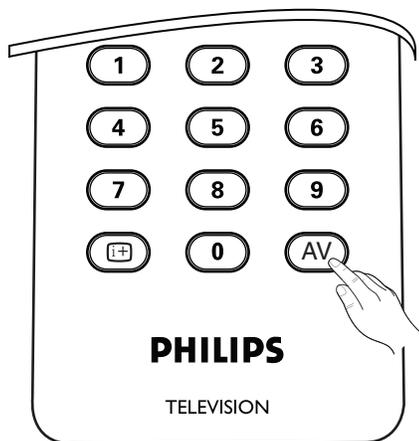
### Record a TV program

You can record a TV program using your recorder's tuner without affecting your TV.

- 1 Select the channel number on your recorder.
- 2 Set your recorder to record.  
See the handbook for your recorder.

*Note: Switching channel numbers on your TV does not disturb recording !*

## To select connected devices



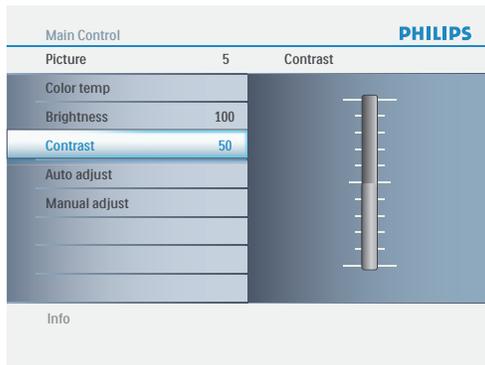
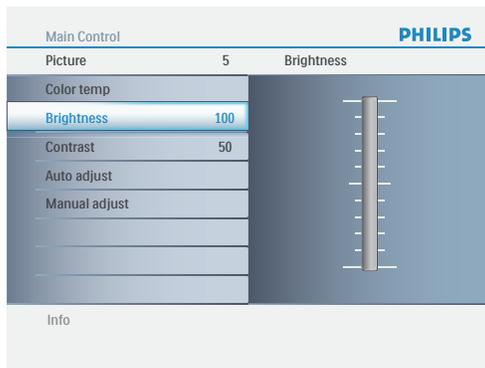
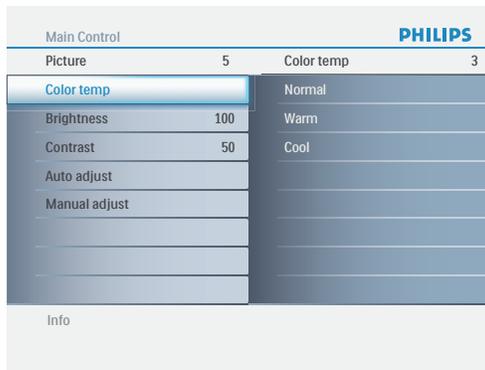
- 1 Press the **AV** button repeatedly or select Source list in the Settings menu to select **TV**, **CVI**, **AV**, **PC**, or **DVI** according to where you connected your devices.
- 2 Press the cursor up/down.
- 3 Press **OK**.

Note:

This TV can also be used as a PC Monitor. A PC video signal must be present or the TV will go into standby mode. The PC Picture controls allow you to adjust the picture.  
Please make sure you are in PC mode.

Picture

- 1 Press the **MENU** button on the remote control.
- 2 Select **Picture** in the Settings menu.
- 3 Use the cursor right to enter the Picture menu.
- 4 Use the cursor up/down to highlight the menu items.
- 5 Press the cursor right to enter the selection.
- 6 Use the cursor up/down to adjust the item.



Color temp

Adjust to increase or decrease **Warm** (red) and **Cool** (blue) colors to suit personal preferences.

Select **Cool** to give the white colors a blue tint, **Normal** to give the white colors a neutral tint, **Warm** to give the white colors a red tint.

Brightness

Adjust to brighten the darkest parts of the picture.

Contrast

Adjust to “sharpen” the Picture quality. The black portions of the picture become richer in darkness and the white become brighter.

Note:

Color temp can also be activated by pressing Smart picture button on your Remote Control.



## Auto adjust

The LCD Monitor will automatically adjust to the best image position, phase, and clock setting.



## Manual adjust

The Manual adjust control allows you to manually fine tune the image as it appears on the screen.

**Phase** - eliminates the horizontal interfering lines.

**Clock** - eliminates the vertical interfering lines.

**Horizontal** - adjust the horizontal placement of the picture.

**Vertical** - adjust the vertical placement of the picture.

- ① Use the cursor up/down to adjust the item.
- ② Press the cursor right to confirm.

### Note:

If you are willing to reset adjustment back to original value, please enter to Factory Reset in Install menu.

## Setting up the PC mode (Personal Computer Monitor)

### 20PFL4122 (20" LCD TV)

No	Resolution	Mode	V. Frequency (Hz)	H. Frequency (kHz)
1	640 x 350	VGA	70.087	31.469
*2	640 x 480	VGA	59.940	31.469
3	640 x 480	Macintosh	66.667	35.000
4	720 x 400	VGA	70.087	31.469

\* Recommended Resolution



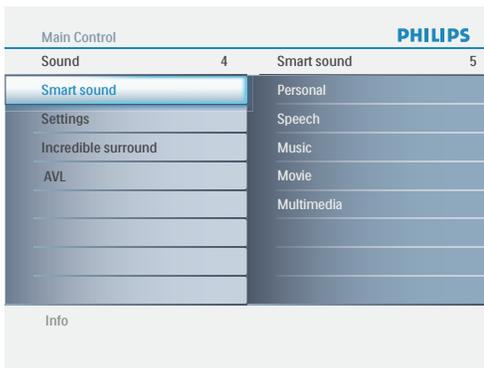
## Sound menu

- ① Select **Sound** in the settings menu.
- ② Press the cursor right to enter it.
- ③ Select the menu items with the cursor up/down.
- ④ Press the cursor right to enter the selection.

## Smart sound

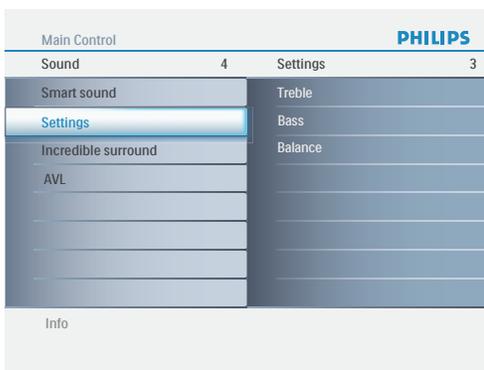
Smart sound allows you to select from four user presets and a personal mode that you set according to your own preferences through the onscreen Sound menu. The five user presets (Personal, Speech, Music, Movie, and Multimedia) enable you to tailor the TV sound so as to enhance the particular program you are watching.

- ① Select Smart sound in the Sound menu and press the cursor right to enter it.
- ② You can press the **Smart sound** button on the remote control repeatedly to toggle between **Personal**, **Speech**, **Music**, **Movie** and **Multimedia**.



## Settings

Allows you to adjust **Treble**, **Bass**, and **Balance** of the sound.



## Incredible surround

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## AVL

Automatically reduces the volume differences between channels and programs, providing a more constant overall level. This will also reduce the dynamics of sound.



## Trouble Shooting Tips

Symptoms	Items to Check and Actions to follow
<b>“Ghost” or double images</b>	<ul style="list-style-type: none"> <li>This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture.</li> </ul>
<b>No power</b>	<ul style="list-style-type: none"> <li>Check that the TV’s AC power cord is plugged into the mains socket.</li> <li>Unplug the television, wait for 40 seconds. Then re-insert plug into the mains socket and turn on the television again.</li> </ul>
<b>No picture</b>	<ul style="list-style-type: none"> <li>Check antenna connections at the bottom of the TV to see if they are properly connected to the TV.</li> <li>Possible broadcast station trouble. Try another channel.</li> <li>Adjust the contrast and brightness settings. Try another auto picture setting.</li> <li>Check if you selected the correct AV source.</li> </ul>
<b>No picture and power switched on</b>	<ul style="list-style-type: none"> <li>Your TV has a protective mode in case there is too much heat build-up. Check the clearance around the vents of the device to be certain there are no blocking walls or cabinets which would limit the air flow.</li> </ul>
<b>Picture position adjustment</b>	Most High Definition receiver boxes also have picture-positioning controls in their menu systems. If the TV cursor controls run out of range before the picture is correctly positioned, the receiver box controls will need to be adjusted.
<b>No photo, music or video play or in poor quality only</b>	<ul style="list-style-type: none"> <li>Check if the source complies with a supported code.</li> </ul>
<b>No sound</b>	<ul style="list-style-type: none"> <li>Increase the VOLUME.</li> <li>Check that the TV is not muted, press the MUTE button on the remote control.</li> <li>When no signal is detected, the TV automatically switches off the sound. This is proper operation and does not indicate a malfunction.</li> </ul>
<b>Good sound but poor color or no picture</b>	<ul style="list-style-type: none"> <li>Adjust the contrast, color, tint and brightness setting. Try another auto picture setting.</li> </ul>
<b>Snowish picture and noise</b>	<ul style="list-style-type: none"> <li>Check the antenna connection.</li> </ul>
<b>Television not responding to remote control</b>	<ul style="list-style-type: none"> <li>Check whether the batteries are working. Replace if necessary.</li> <li>Clean the remote control sensor lens on the monitor.</li> <li>Operating range between TV and the remote control should not be more than approximately twenty feet.</li> <li>You can still use the buttons on the top of your TV.</li> <li>Check if the remote control is in the correct mode.</li> </ul>
<b>Control of accessory devices</b>	<ul style="list-style-type: none"> <li>The infrared signals of the screen may influence the reception sensibility of other peripherals Solution: replace the batteries of the remote control of other devices. E.g. keep away a wireless headphone from within a radius of approximately four feet.</li> </ul>
<b>The software will not install</b>	<p>Possibly the operating system is wrong. Go to <a href="http://www.philips.com/usasupport">www.philips.com/usasupport</a> to see which operating systems are supported.</p>
<b>PC modes do not work</b>	<ul style="list-style-type: none"> <li>Check whether connections are correct.</li> <li>Check whether the source is correctly selected. Press AV button to select the correct source.</li> <li>Check whether you have configured the computer on a compatible display resolution.</li> </ul>

<b>Standby</b>	Your TV consumes energy less than 2w in the standby mode.
<b>After improper shutdown</b>	If your TV has been shutdown in an improper way (e.g. power drop, power cord plug out), starting up the TV again will take a longer time than usual.
<b>Miscellaneous</b>	See Extras, Specifications on this user manual.

## Glossary

Aspect Ratio	The ratio between the width and height of the TV picture on the screen. In a normal TV set the aspect ratio is 4 to 3 (4:3). The new aspect ratio in HDTV is 16:9 which resembles the aspect ratio in a movie theatre (Widescreen). New TV systems support both 4:3 and 16:9 aspect ratio and can automatically switch between them.
Audio Video (A/V)	A term often used when discussing a channel on a TV receiver or on video equipment, which has been especially designed to accept VCR audio-video signals. This channel automatically activates special circuitry within the TV set to prevent picture distortion and skewing. It is also used for audio-video processors, which handle both types of signals.
CVBS	Composite Video Baseband Signal. In broadcast television this refers to the video signal, including the colour information and syncs.
Component Video Input (Y Pb Pr)	Component Video Input is a type of connection that uses a cinch-type connector to allow set top boxes or analog DVD players to connect a signal to the TV. By offering the cinch-type input (YPbPr) the primary colors, red, green and blue are connected from a set top box directly into the TV allowing for the signal to display on the screen.
HDTV	The generally agreed upon definition of HDTV is approximately twice the vertical and horizontal picture resolution of today's NTSC TV, which essentially makes the picture twice as sharp. HDTV also has a screen ratio of 16:9 as compared with most of today's TV screens, which have a screen ratio of 4:3. HDTV offers reduced motion artifacts (i.e. ghosting, dot crawl).
PAL	Phase Alternating Line, is color encoding system used in broadcast television systems in large parts of the world. PAL was developed by Telefunken in Germany.
Progressive Scan	In Progressive Scanning all the horizontal scan lines are scanned on to the screen at one time. The Digital TV and HDTV Standards accept both Interlaced Scan and Progressive Scan broadcast and display methods.
Resolution	Resolution: A measurement of the finest (smallest) detail that is visible in a video image. TV Resolutions may be expressed as number of pixels in an image; or more commonly, As Total Number of (horizontally scanned) Lines used to create the image. Standard Digital TV Resolutions: SDTV: 480i - The picture is 704x480 pixels, 480p - The picture is 704x480 pixels. HDTV: 720p - The picture is 1280x720 pixels, 1080i - The picture is 1920x1080 pixels, 1080p - The picture is 1920x1080 pixels.
SPDIF	SPDIF (Sony and Philips Digital Interconnect Format) is highly recommended for high quality digital sound output.

### **WARNING** concerning stationary images on the TV

Screen: Do not leave fixed images on the screen for extended periods of time. This can cause uneven aging of the LCD panel. Normal use of the TV should involve viewing of programs that have constantly moving or changing images. Do not leave moving images on screen for extended periods of time. Do not display the same images too frequently; if you do, subtle “ghost” images can be left on the LCD screen. Sources of stationary images may be Laser discs, video games, Compact Discs Interactive (CD-i), paused Digital Video Discs (DVDs) or video tapes.

Here are some common examples of stationary images:

- DVD menus list DVD content.
- Letter box black bars that appear at the top and bottom of the TV screen when a wide screen (16:9) movie is viewed on a TV with standard (4:3) aspect ratio. This occurs with some DVDs.
- Video game images and scoreboards
- Television station logos cause a problem if they are bright and stationary. Moving or low-contrast graphics are less likely to damage the picture tube.
- Stock market tickers may appear at the bottom of the TV screen if the TV programming covers this news.
- Shopping channel logos, pricing displays may be bright and may appear constantly during the show. These usually appear in the same location on the TV screen.

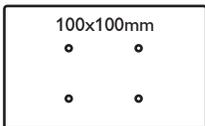
### **TV Location**

- To avoid cabinet warping, cabinet color changes, and an increased chance of TV failure, do not place the TV where temperatures can become excessively hot -- for example, in direct sunlight or near a heating appliance.
- Allow a free flow of air around the TV.

### **Cleaning**

- To avoid possible shock hazard, remove the TV's power cord from the electrical outlet before cleaning.
- Regularly dust the TV with a dry, non-scratching duster.
- When cleaning the TV, take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive. Do not use household cleaners. Wipe the screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Occasionally vacuum the vents on the rear of the TV.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet. They may permanently blemish the cabinet.

## Specification - TV

	20PFL4122
<b>PICTURE/ DISPLAY</b> Aspect ratio Picture Enhancement	4:3 Progressive Scan, 2D Comb Filter, Noise Reduction, Smart Picture (5 modes)
<b>SOUND</b> Output Power (RMS) Sound Enhancement Sound Mode	2x3W Incredible Surround Dual I/II, Nicam, Smart Sound (5 modes)
<b>CONVENIENCE</b>	Auto Store, Full text, Sleep timer, Clock
<b>ON SCREEN DISPLAY LANGUAGE</b>	English, Simplified Chinese (/93 model) English, Simplified Chinese, Thai, Arabic (/79/98 model)
<b>CONNECTIVITY</b> Bottom  Side	AC IN DVI-D - Digital video interface, Audio input (shared w/ PC) PC IN - D-SUB, Audio input CVI - Component (YPbPr), Audio L/R input 75Ω/RF Side AV - Audio L/R input, Video input, S-video Earphone
<b>WEIGHT &amp; DIMENSIONS:</b> Weight (incl. Packaging): Weight (excl. Packaging): Carton Dimension (WxHxD): Product Dimension (WxHxD)	10.4 kg/22.88 lbs 8.55 kg/18.7 lbs 604 x 222 x 566 mm 23.78" x 8.74" x 22.28" 497 x 472 x 218 mm 19.5" x 18.5" x 8.6"
<b>POWER</b> Power Consumption  Standby Power Consumption  Mains Power	70W  < 2W  100-240V, 60-50Hz
<b>WALL MOUNT:</b>	<div style="text-align: center;">  <p>100x100mm</p> </div> <p>Metric 4 (10mm) screws are needed for wall mounting (not included).</p>