

User Manual

32HF7445

Quick Start Guide Inside !

用户手册

内附快速使用指南!



English

中文

Model No.: _____
Serial No.: _____

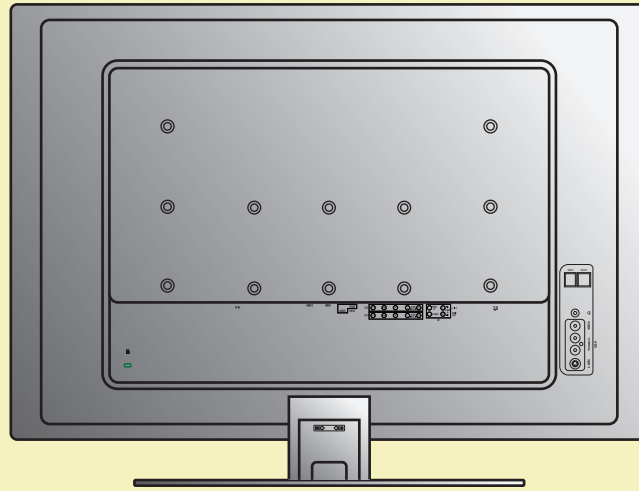
PHILIPS


How to make the optimal connection?

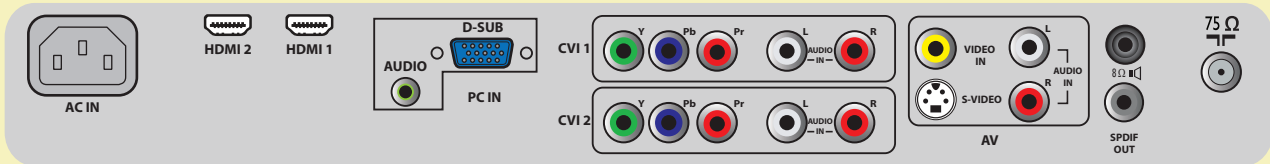
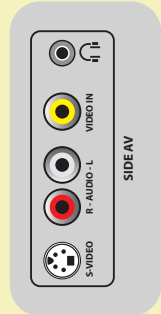
如何进行最佳连接？

	<p>Best HDMI High-Definition Multimedia Interface provides an uncompressed, all-digital audio/video connection. HDMI provides the ultimated connection (Please use a certified HDMI cable.)</p>	<p>最好 HDMI 高清晰多媒体接口提供无压缩的全数字音频/视频连接。 HDMI 提供的是终极的连接（请使用通过认证的 HDMI 线缆。）</p>
	<p>Better 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>很好 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>Good S-Video Supplies a better picture than RF and Composite connections. Used with red/white audio cables.</p>	<p>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>Basic 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>基本 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>RF Provides a basic connection for antenna or cable. Provides both audio and video.</p>	<p>RF 为天线或有线提供基本连接。 提供音频和视频。</p>

32HF7445



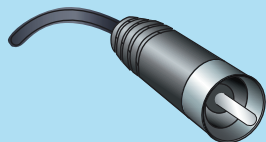
DATA 1 DATA 2

 (RJ12) (RJ45)



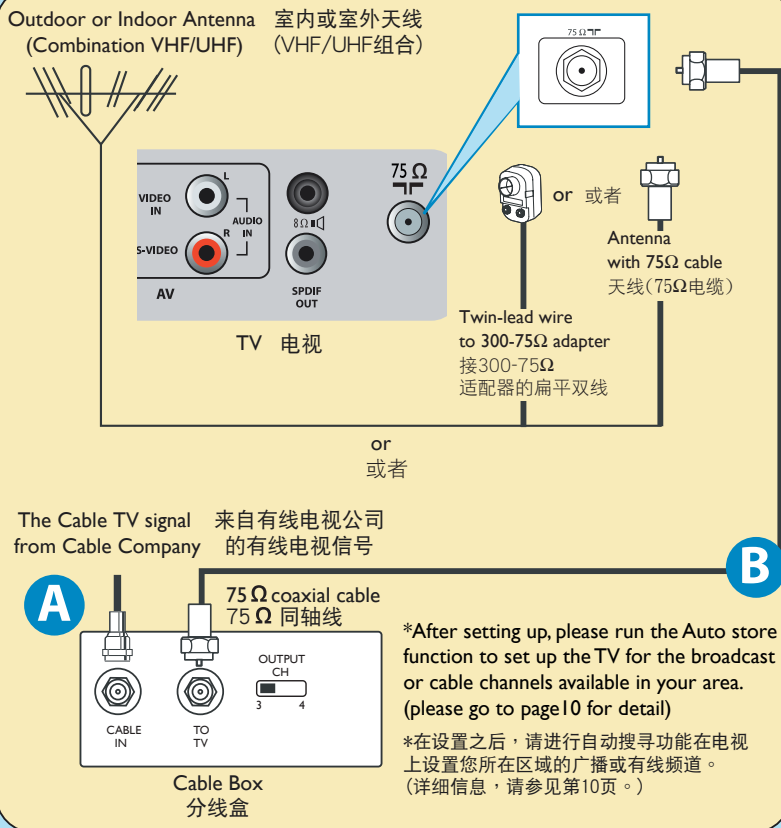
AC IN
 HDMI 1 / HDMI 2
 PC IN - Audio input, D-SUB
 CVI - Component (YPbPr), Audio L/R input
 CV2 - Component (YPbPr), Audio L/R input
 AV - Video input, S-video, Audio L/R input
 SPDIF output
 8Ω Mono Audio out
 75Ω /RF
 Side AV - S-video, Audio L/R, Video input
 Earphone
 DATA 1 / DATA 2

AC IN
 HDMI 1 / HDMI 2
 PC IN - 音频输入、D-SUB
 CVI - 分量 (YPbPr)、左/右音频输入
 CV2 - 分量 (YPbPr)、左/右音频输入
 AV - 视频输入、S 视频、左/右音频输入
 SPDIF 输出
 8Ω 音频输出
 75Ω /RF
 Side AV - S 视频、左/右音频、视频输入
 耳机
 DATA1 / DATA 2

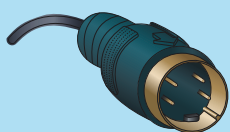
1 Cable Box With RF In / Outputs
Antenna TV
分线盒
(带有RF输入/输出)
天线电视



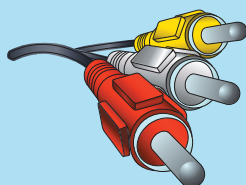
RF



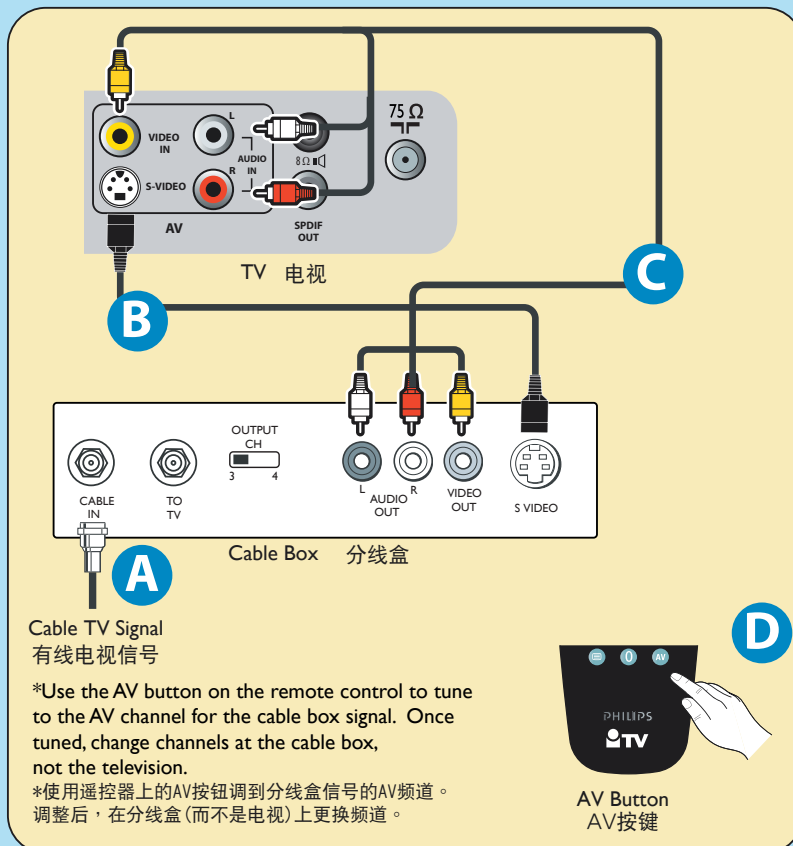
2 Cable Box With Audio / Video Outputs
分线盒
(带有声音/视频输出)



S-Video



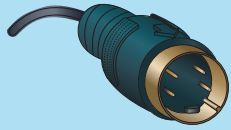
Composite Audio/Video Input



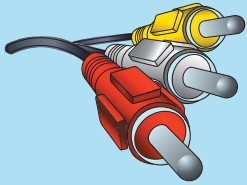
3

VCR, DVD Player, Or Other Devices With RCA Connectors

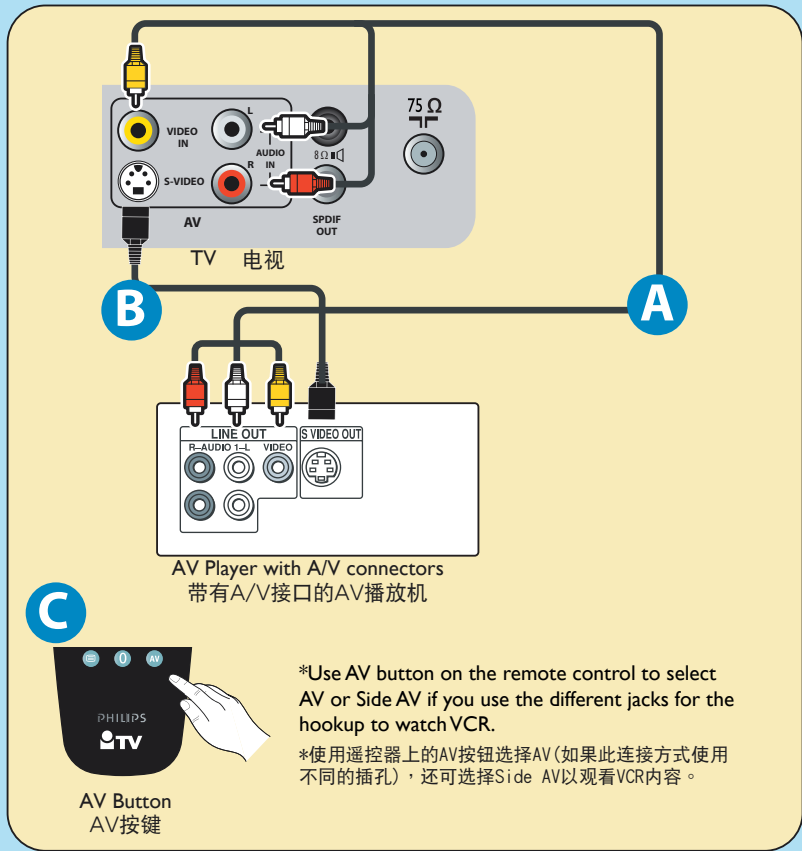
VCR, DVD播放机或带有RCA连接器的其它设备



S-Video



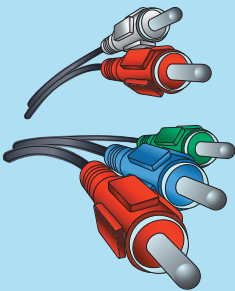
Composite Audio/Video Input



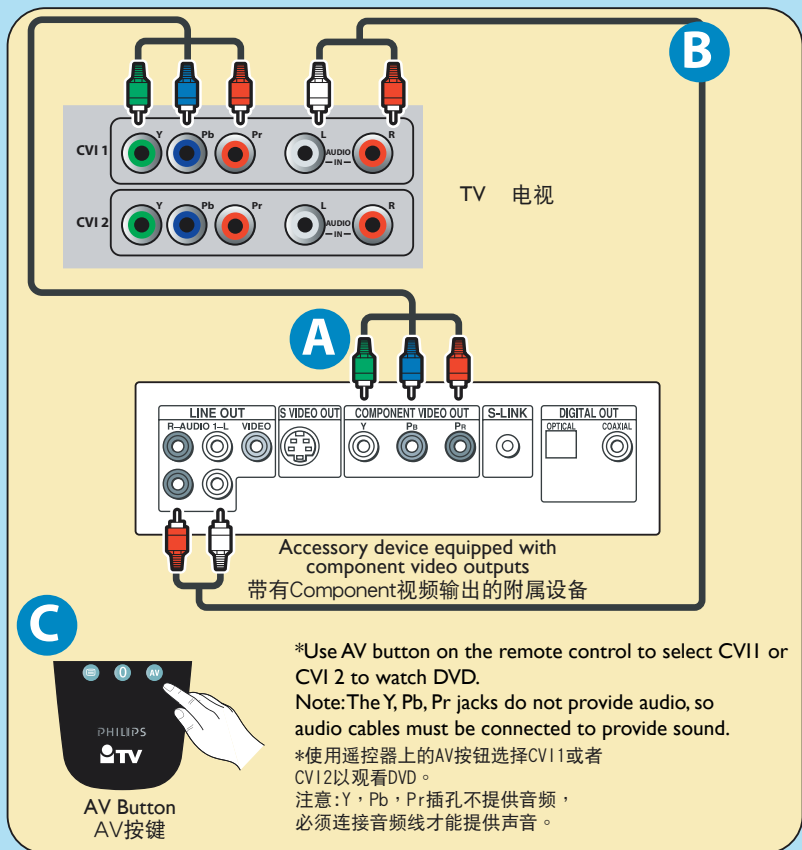
4

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



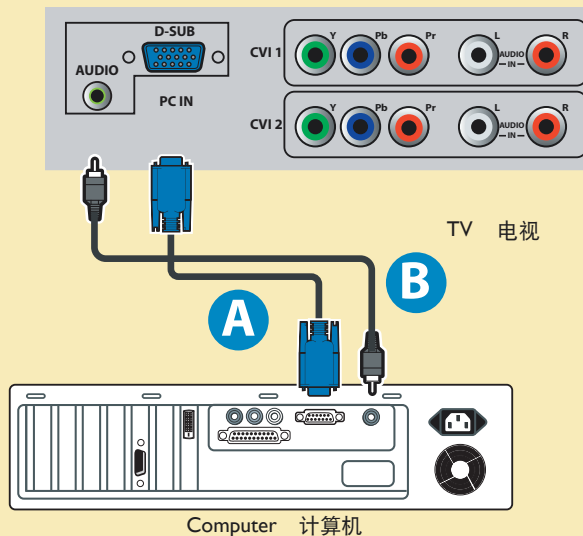
Component Video Input



5

PC (Monitor) Connections

PC (显示器)连接



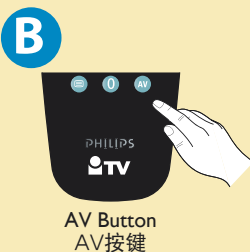
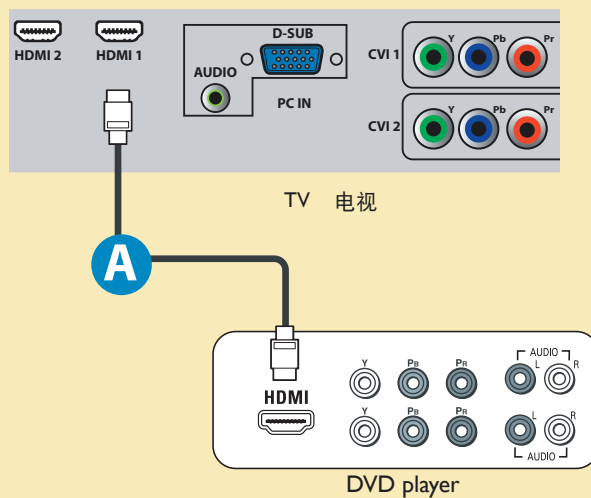
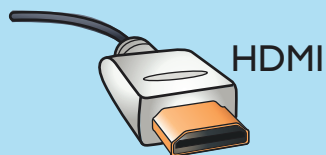
*Use AV button on the remote control to select PC to use your LCD TV as a PC monitor.

*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。

6

DVD Player With HDMI Connector

带有HDMI连接器的DVD播放机



*Use AV button on the remote control to select HDMI 1 or HDMI 2 to watch DVD.

*使用遥控器上的AV按钮选HDMI 1或者HDMI 2以观看DVD。

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.

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. **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.
16. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
17. **Power Lines** - An outdoor antenna should be located away from power lines.
18. **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.
19. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
20. **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.
21. For ventilation, leave at least 4" to 6" free all around the TV. Do not place the TV on a carpet.
22. The equipment shall not be exposed to dripping or splashing.
23. The equipment shall not be exposed to rain or moisture and objects filled with liquids, such as vases, shall be placed on the apparatus.
24. The apparatus must be connected to a mains socket outlet with a protected earthed connection.
25. 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.

Care of the screen See Tips, p. 20



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.

Welcome 1

IMPORTANT SAFETY INSTRUCTIONS 2

Precaution 3

Contents 4

Preparation 5

Wall mounting 5

Use of the remote control 5

Buttons on the TV 6

To use the menus 7

 Accessing the SETUP menu 7

 Navigation 7

Setup menu items 8

Communication 8

Channel Installation 9

Configuration 10

Switch On/ OSD 10

Picture and Sound settings 11

Security settings 11

Control settings 12

Guest menu items 12

Remote control keys 13

Teletext 14

Picture Formats 15

Wireless Smart Loader 16

Low battery check 17

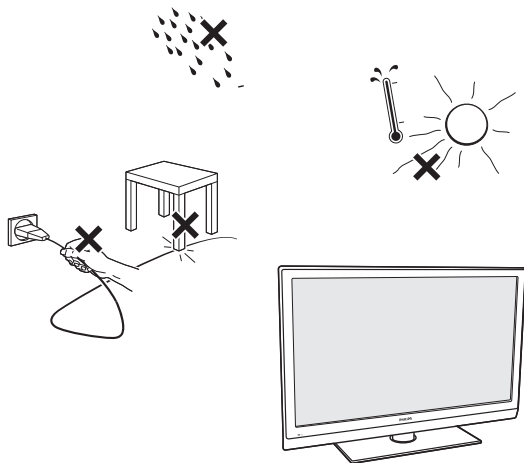
Trouble shooting tips 18

Glossary 19

Care and cleaning 20

Specification 21

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



Place the TV on a solid surface.

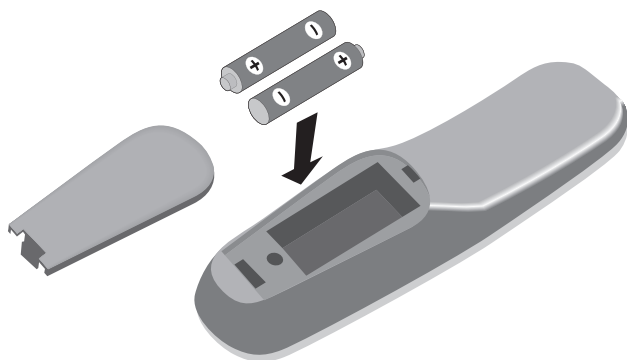
For ventilation, leave at least 4" to 6" free all around the TV. Do not place the TV on a carpet. To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed in the vicinity. Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be 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 21 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 AA 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 left side of the TV. An indicator on the front of the TV lights up.

Press the **POWER** button on the remote control.

Buttons on 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:

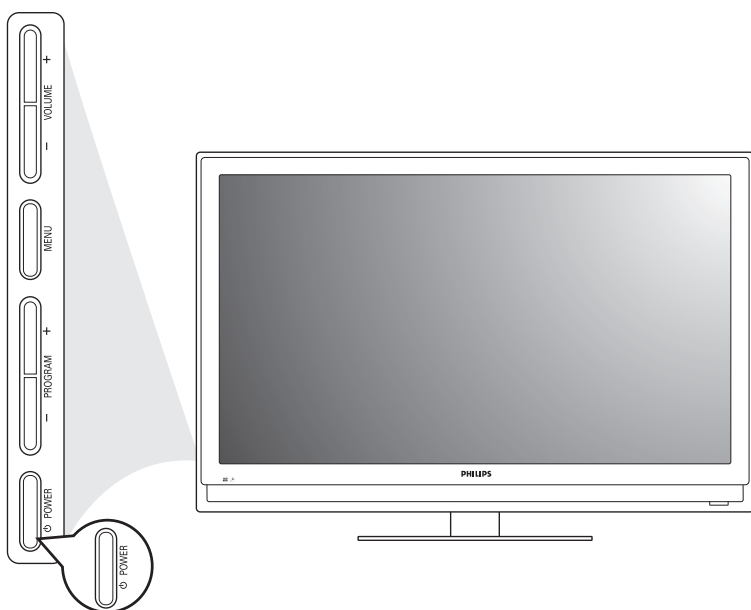
- the **⏻** button to switch the TV on or off.
- the **+ VOLUME** -button to adjust volume;
- the **+ PROGRAM** -buttons to select the TV channels or sources.

The **MENU** button can be used to display the Settings menu without the remote control.

MENU button can also Exit the menu.

Use:

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

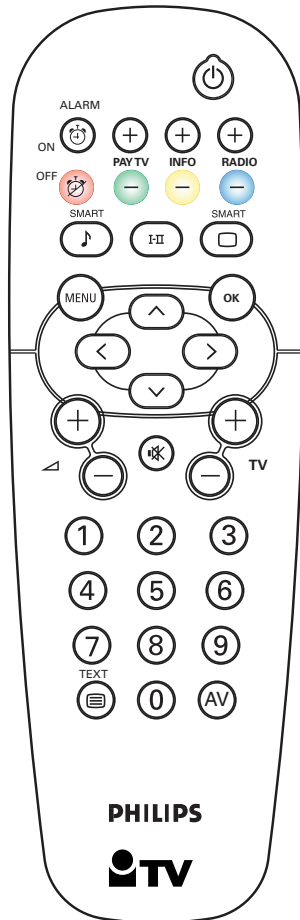


To use the menus

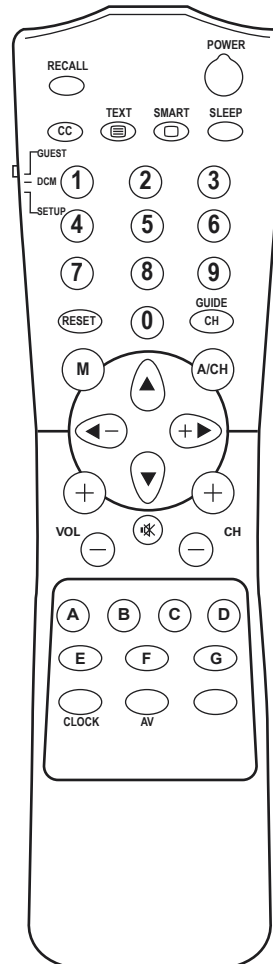
Accessing the SETUP menu

When the set is in the HIGH SECURITY mode, the SETUP menu can be accessed only by the Institutional Set-up Remote Control (RC2573) by pressing the **M** key. The Institutional Set-Up Remote Control is available as an option.

When the set is in the STANDARD SECURITY mode, the SETUP menu may be accessed with the standard guest remote control (RC2887) by a sequence of commands (3 1 9 7 5 3 MUTE).



RC2887



RC2573
(Optional)

Navigation

The current menu item can be selected by means of the Up/Down keys. Submenus can be accessed from menu items indicated with a “>” symbol by pressing the Right key.

- To exit any menu press “MENU” button
- Select “YES” to activate/enable a setting, “NO” to deactivate/disable.
- TV up/down (+/-), INFO up/down (+/-), PAY-TV up/down (+/-) and RADIO up/down (+/-) are available when Setup menu had did the relevant settings.

Setup menu items

SETUP	
LANGUAGE	ENGLISH
COMMUNICATION	>
NO. OF CHANNELS	>
CHANNEL INSTALL	>
CONFIGURATION	>

- **LANGUAGE:** Select the language of the Setup menu. Options are “ENGLISH”, “MELAYU” and “CHINESE”
Note: The Chinese Language is for the Guest Menu only.
- **COMMUNICATION:** Please refer to the section for detail.
- **NO. OF CHANNELS:** This sub menu allows setting the number of TV, PAY-TV, INFO and RADIO channels.
- **CHANNEL INSTALL:** In the CHANNEL INSTALL sub-menu, various channel settings can be set. Please refer to the section on Channel Installation for further details.

- **CONFIGURATION:** In the CONFIGURATION menu, various settings and features of the TV can be adjusted. Please refer to the section on Configuration for further details.

Communication

COMMUNICATION	
COMMUNICATION	OFF
STORE	>
RS232 ID	0

- **COMMUNICATION:** The Communication options SP-SPI, SP-I2C, HM-Link and Multi RC. SP-SPI, SP-I2C and HM-Link are for enabling interactive applications. Multi-RC is a feature to program the TV and RC for a one to one matching in a multi TV environment. Multi-RC allows up to four unique groups of TV-RC matching. For normal stand-alone applications select “OFF” option under the Communication sub menu.

Multi RC Set-up procedure:

1. Press the RC Menu key together with one of the coloured keys (Red/Green/Yellow/Blue) for at least 4 seconds.
2. Access the TV Set-Up Menu and select Multi RC option
3. Under Multi RC sub-menu, select the corresponding colour to match the colour selected in Step 1

Notes:

1. SP-SPI and SP-I2C refers to the Philips communication protocols that are used in conjunction with the Data 1 (RJ12) or/and Data 2 (RJ45) connectivity to an external STB or Smart Card Xpress Box.
2. HM-Link is mainly used in conjunction with Data 1 (RJ12) connectivity to an external STB.
3. Multi RC feature requires specific remote control models RC2887/RC2886.
4. The Multi RC default colour code is BLUE (for TV and RC). The RC colour code will be automatically reset to default BLUE colour when the RC batteries are changed.
5. To check the colour code status of TV and RC, just press the OK button on the RC for at least 4 seconds.

- **STORE:** To save your settings by pressing right key.
- **RS232 ID:** To setup the TV ID.
- **DCM TYPE:** To communicate with Smartport. (It's available in SP-SPI and SP-I2C)

Channel Installation

In the CHANNEL INSTALLATION sub-menu, channel settings can be set.

CHANNEL INSTALL	
CHANNEL	TV 1
INPUT	TUNER
SYSTEM	AUTO
FREQUENCY	184.2500 >
LABEL	() >
STORE	>
FINE TUNE	0
MUTE	NONE
AUTO INSTALL TV	>
PROTECTION	NO

- **CHANNEL:** The channel type can be selected with the cursor Left/Right key. The available options are: “**TV**”, “**INFO**”, “**PAY TV**” and “**RADIO**”.

Note:

Use the numeric keys to enter the program number. For program number below 10, enter the first digit as “0” followed by the program number. Eg “01” for TV 1. Alternatively, enter the program number followed by Up/Down key. Program number “0” or “00” are not allowed.

- **INPUT:** The “Input” menu item selects the desired input source that will be assigned to the program. Possible values are Tuner, AV, Side AV, CVI 1, CVI 2, PC-A, HDMI 1 and HDMI 2.
- **SYSTEM:** PAL 4.43 BG/I/DK and AUTO are available for /93 model.
NTSC 3.58 BG/I/DK/M, NTSC 4.43 BG/I/DK, PAL 4.43 BG/I/DK, and AUTO are available for /97 model.
- **FREQUENCY:** Digits can be entered for a frequency in MHz. When you enter the first digit, other incomplete number displayed as dashes “-”. Enter the first digit as “0” for frequencies below 100 MHz. You can also press the Right key to start the auto search.
- **LABEL:** This menu item will be used to add a label/name for each program.
 - Press the Left/Right key to select the label digit; press the Up/Down key to insert alphanumeric characters.
 - Press the MENU button to exit the Label menu item.
- **STORE:** The channel information is stored after pressing the Left/Right key. Press the MENU key to exit without storing.
- **FINE TUNE:** Press the Left/Right key for fine-tuning.
- **MUTE:** This item enables/disables picture and sound for the particular channel.
 - NONE: normal picture and sound enabled
 - VIDEO: picture is blanked for this channel (e.g. radio channel)
 - AUDIO: sound is muted for this channel (e.g. information channel)
- **AUTO INSTALL TV:** This sub menu allows the TV channels to be scanned and set automatically.
- **PROTECTION:** This function is to protect a selected program for PAY TV purpose. Press the Left/Right key to toggle the protection between “YES” and “NO”.

Configuration

In the Configuration menu, various settings and features of the TV can be adjusted.

CONFIGURATION	
SWITCH ON/OSD	>
PICTURE/SOUND	>
SECURITY	>
CONTROL	>
FEATURES	>

- **SWITCH ON/OSD:** In this sub-menu the SWITCH ON characteristics and ON SCREEN DISPLAY settings of the TV.
- **PICTURE/SOUND:** In this sub-menu, the PICTURE and SOUND settings of the TV can be set.
- **SECURITY:** In this sub-menu, the SECURITY settings of the TV can be configured.
- **CONTROL:** In this sub-menu, the CONTROL settings of the TV can be configured.
- **FEATURES:** sub-menu SMARTPOWER can change the backlight settings of the TV.

IN **PC** mode, there is one more item.

• VIDEO ADJUSTMENT:

- HORIZONTAL: Adjust the horizontal placement of the picture
- VERTICAL: Adjust the vertical placement of the picture
- PHASE: Eliminates the horizontal interfering lines.
- CLOCK: Eliminates the vertical interfering lines.
- AUTO ADJUST: The PC mode will automatically adjust the best image position.

Switch On/OSD

In this sub menu the behavior of the TV after switching on and the behavior of the ON SCREEN DISPLAY can be selected.

SWITCH ON/OSD	
WELCOME MESSAGE	>
SWITCH ON CHANNEL	AV1
SWITCH ON VOLUME	30
SWITCH ON PIC FMT	WIDESCREEN
POWER ON	LAST STATUS
VOLUME INDICATOR	YES
CHANNEL DISPLAY	ALL

- **WELCOME MESSAGE:** Press Cursor Left/Right to display Welcome message entry menu:
 - WELCOME MESSAGE
 - DISPLAY YES/NO
 - LINE 1
 - LINE 2
 - CLEARWith the Up/Down key you can set the message characters. Press Up key to insert alphabets, and Down key to insert digits.

- **SWITCH ON CHANNEL:** This item sets the television's channel at switch on.
- **SWITCH ON VOLUME:** This item sets the television's volume at switch on. Use the Right/Left key to adjust.
- **SWITCH ON PIC FMT:** This item sets the television's Picture Format at switch on. Use the Right/Left key to select the desired format.
- **POWER ON:** The POWER ON menu function defines the behavior of the television whenever AC Power is applied. The available options are "FORCED ON", "LAST STATUS", "STANDBY" and "ON".
 - FORCED ON: TV will be automatically switched to ON mode whenever the mains power is turned ON or resumed after a power interruption. Note that the remote control STANDBY key will no longer function when TV is set in this mode. TV can only be switched OFF by means of the main switch or a set-up remote control or by ESP function (Energy Saving Programmability controls the maximum continuous viewing time allowed).
 - LAST STATUS: TV will be automatically switched to the last status (either STANDBY or ON) whenever the mains power is turned ON or resumed after a power interruption.

- o **STANDBY:** TV will be automatically switched to STANDBY mode (even if the last status was ON) whenever the mains power is turned ON or resumed after a power interruption.
- o **ON:** Similar function as “FORCED ON” but the remote control STANDBY key function is enabled when TV is set to this mode.
- **VOLUME INDICATOR:** To display volume indicator when adjusting volume, select “YES”. Select “NO” to hide the volume indicator.
- **CHANNEL DISPLAY:** CHANNEL DISPLAY values can be: NUMBER, LABEL, ALL, and NONE.

Picture and Sound settings

In this sub menu, the Picture and Sound settings of the TV can be selected.

PICTURE/SOUND	
BRIGHTNESS	50
COLOUR	50
CONTRAST	50
SHARPNESS	50
ACTIVE CONTROL	YES
TREBLE	50
BASS	50
AVL	ON

- **BRIGHTNESS:** This changes picture brightness.
- **COLOUR:** This changes the intensity of the colour.
- **CONTRAST:** This changes the difference between the light and dark tones.
- **SHARPNESS:** Adjust to improve detail.
- **ACTIVE CONTROL:** This allows adjustment R. G. B. of picture.

Notes:

COLOUR and SHARPNESS are not available in the PC mode

- **TREBLE/BASS:** This adjusts the level of treble and bass effects on the TV’s sound output.
- **AVL (Automatic Volume Leveller):** This option is used to limit the increase in sound level especially during programme change or advertising slots.

Security settings

In this sub menu, the Security settings of the TV can be configured.

SECURITY	
SECURITY	STANDARD
KEYBOARD LOCK	NO

- **SECURITY:** The “SECURITY” function allows the user to select one of two states - “HIGH” or “STANDARD”. The default is “STANDARD”.
 - o When the set is in the SECURITY HIGH mode, the SETUP menu can only be accessed by a Institutional Set-up Remote Control.
 - o When the set is in the SECURITY STANDARD mode, the SETUP menu can be accessed with a guest remote control by a sequence of commands (3 1 9 7 5 3 MUTE).

- **KEYBOARD LOCK:** The Keyboard Lock function disables the television’s local keyboard for volume and program control.

Control settings

In this sub menu, the CONTROL settings of the TV can be configured.

CONTROL	
ESP	OFF
AUDIO/VIDEO MUTE	NO
STEP TUNING	NO
DIGIT TIMEOUT	3.0
MIN VOLUME	0
MAX VOLUME	99
SMARTPOWER	OFF

- **ESP:** Energy Saving Programmability Mode (ESP) function controls the maximum continuous viewing time allowed and its valid values are 00 - 99 (in hours). 00 value means that the ESP function is OFF. Note that if the TV is switched off, the ESP timer countdown will be reset.
- **AUDIO/VIDEO MUTE:** The Audio/Video Mute menu function determines whether the video should be blanked and the audio should be muted if the currently tuned channel has no signal.

- **STEP TUNING:** If YES is selected, TV programs (1 to 9) are tuned immediately when a digit is pressed. If NO is selected, tuning is performed only after the dash (second digit) disappears.
- **DIGIT TIMEOUT:** This is the time-out to enter the second digit of program number, e.g. for program number 10 and above.
- **MIN VOLUME:** This item sets the minimum volume level allowed for the television set. Use Right/Left key to adjust.
- **MAX VOLUME:** This item sets the limit for the maximum volume allowed for the television set. Use Right/Left key to adjust.
- **SMARTPOWER:** This item sets the TV to reduce the power automatically. Use Right/Left key to toggle between OFF, LOW, MEDIUM, and HIGH.

Guest menu items

MENU	
BRIGHTNESS	50
COLOUR	50
CONTRAST	50
SHARPNESS	50
SLEEPTIMER	Off
PICTURE FORMAT	WIDESCREEN
LANGUAGE	ENGLISH

- **BRIGHTNESS/COLOUR/CONTRAST/SHARPNESS (SHARPNESS is not available in PC mode):**
Use the remote control Right/Left key to change the picture setting.

- **SLEEPTIMER:** This item is to select an automatic period for the TV to switch to Standby when the TV does not receive any commands from the user. This is a useful feature for energy saving if hotel guests have left the room with the TV still in the ON mode. Available periods are 15 mins, 30 mins, 45 mins, 60 mins, 90 mins, 120 mins, 180 mins, 240 mins and OFF. Use the remote control Right/Left key to select the required period. (Note: SLEEPTIMER option is not available when POWER ON is set to the "FORCED ON" mode.)
- **PICTURE FORMAT (* It is not available in PC mode):**
Use the remote control Right/Left key to select the desired picture format. The following options are available: 4:3, ZOOM 14:9, ZOOM 16:9, SUBTITLE ZOOM, WIDESCREEN, SUPER WIDE.
- **Language**
For selecting Guest Menu language (ENGLISH/CHINESE/MELAYU)
- **PIP (* It is only available in PC mode):**
This allows you change settings of PIP ON, SOURCE, and POSITION.

Remote control keys

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 **MENU** to remove immediately.

(1) Alarm On / Off

No function.

(2) +Pay TV-

To move up or down a Pay TV channel.

(3) Smart Sound button

Press repeatedly to select among the 4 settings: PERSONAL, THEATRE, MUSIC, or VOICE.

(4) MENU

Press menu to activate on screen menu on/off.

(5) Cursor direction key

(6) VOL +/-

Press + or - to adjust the volume.

(7) Mute button

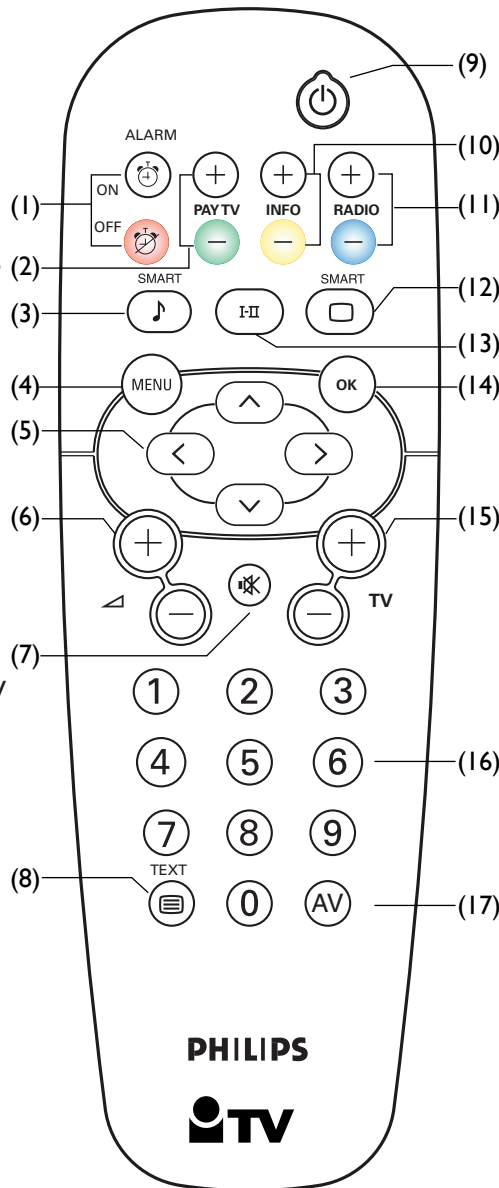
Press to eliminate or restore the LCD TV sound. Mute will appear on the screen when the sound is muted.

(8) Teletext (p.14)

It is only available in /97 model.

(17) AV button

Press to select the video input source: Tuner, AV, Side AV, CVI 1, CVI 2, PC-A, HDMI 1 and HDMI 2,



(9) STANDBY

Press to switch the TV to standby mode.

(10) +INFO-

To move up or down an INFO channel.

(11) RADIO

To move up or down a RADIO channel.

(12) Smart Picture button

Press repeatedly to select either RICH, NATURE, SOFT, or PERSONAL of picture setting.

(13) I-II button / Sound mode

To select 1st or 2nd language.

Note: Language availability depends on the transmission.

(14) OK

To activate a setting.

(15) + TV -

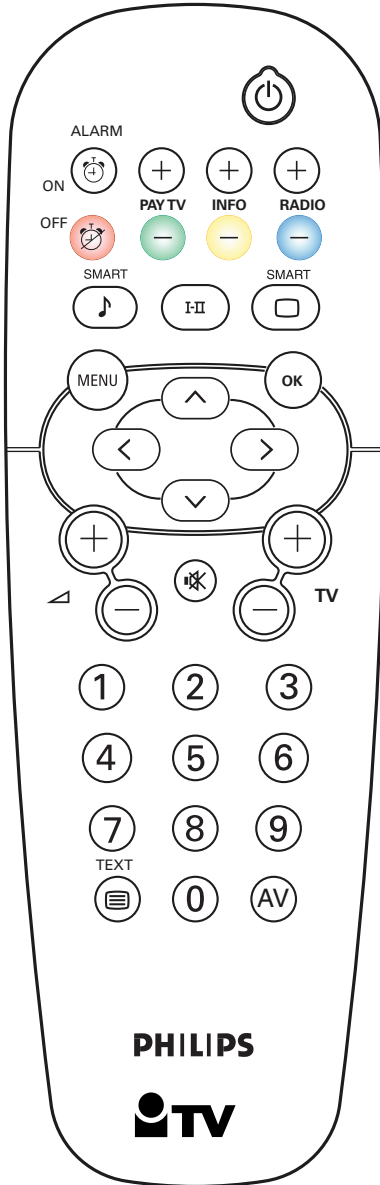
To move up or down a TV channel.

(16) 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.

Teletext

Teletext is an information system broadcast available in certain channels. In some countries, it also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.).

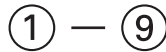


Press



To switch Teletext ON/OFF.

In Teletext mode, press



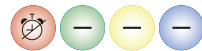
To enter a (3-digit) page number



For previous / next page



For previous / next page

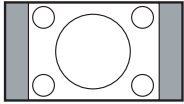


Depending on indication of screen, coloured buttons are used to access the items or corresponding pages.

Picture Formats

The pictures you receive may be transmitted in 16:9 format (wide screen) or 4:3 format (conventional screen). 16:9 pictures sometimes have a black band at the top and bottom of the screen (letterbox format). This function allows you to optimize the picture display on screen.

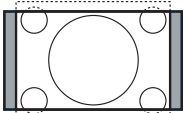
Using the different formats, the Picture Format can be set via the Guest Menu or Set-Up Menu.



4:3

4:3

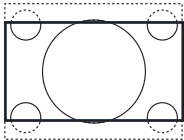
The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture.



ZOOM 14:9

ZOOM 14:9

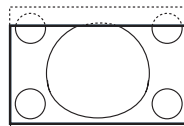
The picture is enlarged to 14:9 format, a thin black band remains on both sides of the picture.



ZOOM 16:9

ZOOM 16:9

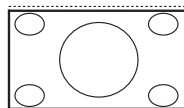
The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures that have black bands at the top and bottom (letterbox format).



SUBTITLE ZOOM

SUBTITLE ZOOM

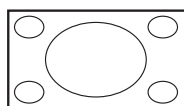
This mode is used to display 4:3 pictures using the full surface of the screen leaving the subtitles visible.



SUPER ZOOM

SUPER WIDE

This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture



WIDESCREEN

WIDESCREEN

This mode restores the correct proportions of pictures transmitted in 16:9 using the full screen display.

For PC mode, the default picture format will be Widescreen. "Picture Format" will not be accessible.

The Philips Wireless Smart-Loader 22AV1120/00 and 22AV1135/00 are installation tools especially designed for easy and fast installation of Philips Institutional TV's.

Preparation

① Make sure that the 3 R6/AA sized batteries are placed correctly in the battery compartment of the Wireless Smart-Loader. Turn the power switch on at the left side of the product. A green LED at the top casing should light up when pressing any button indicating operational batteries. When the LED light is red, it indicates that the batteries need to be replaced.

The installation procedure consists of three steps:

1. Choosing the master TV
2. Programming the Wireless Smart-Loader
3. Installing a TV with the Wireless Smart-Loader

> Step 3 can be repeated on as many TV sets as required.

1. Choosing a Master TV

The master TV is the TV whose installation set-up has to be copied into other TV's of the same type.

2. Programming the Wireless Smart-Loader

This step has to be done only once or the program of the Wireless Smart-Loader would be overwritten.

Point the Wireless Smart-Loader to the TV's infra red receiver (distance around 5 to 30cm).

Press the "MENU" Key on the Wireless Smart-Loader.

TV shows the following menu:

SMARTLOADER TO TV >
TV TO SMARTLOADER >

o Highlight "TV TO SMARTLOADER"

o Press the right cursor key on the Wireless Smart-Loader for wireless method or on the TV Remote Control for wired method.

> A number display shows from 1~100 the percentage of memory storage progress from the TV to the Wireless Smart-Loader (100 = fully loaded).

TV TO SMARTLOADER |||----- ##

> When the data transfer is completed, ## is "100", the following menu appears for 3 seconds:

SMARTLOADER READY >

> Now the Wireless Smart-Loader is programmed and can be used to install other TV sets.

3. Installing a TV with the Wireless Smart-Loader

Use a Wireless Smart-Loader programmed with the settings from a master TV of the same type.

Turn on the TV and point the Wireless Smart-Loader to the TV's infra red receiver (max. distance around 30cm).

---- Press the "MENU" Key on the Wireless Smart-Loader.

o Highlight "SMARTLOADER TO TV"

o Press the right arrow key on the Wireless Smart-Loader for wireless method.

> A number display shows from 1~100 the percentage of memory storage progress from the Wireless Smart-Loader to the TV (100 = fully loaded).

SMARTLOADER TO TV |||----- ##

> When data transfer is completed, ## is "100", the following menu appears for 3 seconds:
TV READY >

> After that, the following menu comes up
GOODBYE >

> The TV goes to standby now and your TV is installed and ready for start-up and use.

Problems and Solutions:

Problem	Solution
The message "WRONG VERSION" is displayed on the screen.	The program stored into the Wireless Smart-Loader has a software code incompatible with the actual TV. Reprogram the Wireless Smart-Loader from a master TV whose software code is compatible with the actual TV.
TV doesn't respond to the Wireless Smart-Loader.	-check if the LED on the Wireless Smart-Loader is green when pressing any button and check if the batteries are in a good condition. Replace batteries if necessary. - try to bring the Wireless Smart-Loader more closer to the TV infra red receiver and try again.

Tips:

1. Do not forget to write the software code and the type of relevant master TV on the sticker used on the back of the Wireless Smart-Loader.
2. The Wireless Smart-Loader can retain without batteries, the stored information for ten years if required.

Note:

- ⓘ Before putting the Wireless Smart-Loader into store for a long time, make sure that the batteries are all taken out to prevent the batteries corroding the contacts.

Low battery check

Press the  key for approximately 5 seconds. The following text then appears:

SERVICE
I REMOTE BATTERY OK

If the word "LOW" appears instead of "OK", the remote control batteries are low and must be replaced.

Trouble Shooting Tips

Symptoms	Items to Check and Actions to follow
“Ghost” or double images	<ul style="list-style-type: none"> 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.
No power	<ul style="list-style-type: none"> Check that the TV’s AC power cord is plugged into the mains socket. Unplug the television, wait for 60 seconds. Then re-insert plug into the mains socket and turn on the television again.
No picture	<ul style="list-style-type: none"> Check antenna connections at the bottom of the TV to see if they are properly connected to the TV. Possible broadcast station trouble. Try another channel. Adjust the contrast and brightness settings. Try another auto picture setting. Check if you selected the correct AV source.
No picture and power switched on	<ul style="list-style-type: none"> 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.
No photo, music or video play or in poor quality only	<ul style="list-style-type: none"> Check if the source complies with a supported code.
No sound	<ul style="list-style-type: none"> Increase the VOLUME. Check that the TV is not muted, press the MUTE button on the remote control. When no signal is detected, the TV automatically switches off the sound. This is proper operation and does not indicate a malfunction.
Good sound but poor color or no picture	<ul style="list-style-type: none"> Adjust the contrast, color, tint and brightness setting. Try another auto picture setting.
Snowish picture and noise	<ul style="list-style-type: none"> Check the antenna connection.
Television not responding to remote control	<ul style="list-style-type: none"> Check whether the batteries are working. Replace if necessary. Clean the remote control sensor lens on the monitor. Operating range between TV and the remote control should not be more than approximately twenty feet. You can still use the buttons on the side of your TV. Check if the remote control is in the correct mode.
Control of accessory devices	<ul style="list-style-type: none"> 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.
PC modes do not work	<ul style="list-style-type: none"> Check whether connections are correct. Check whether the source is correctly selected. Press AV button to select the correct source. Check whether you have configured the computer on a compatible display resolution.
Standby	Your TV consumes energy less than 3w in the standby mode.
After improper shutdown	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.
Miscellaneous	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).
Progressive Scan	In Progressive Scanning all the horizontal scan lines are scanned on to the screen at one time. The 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: 576i - The picture is 720x576 pixels, 576p - The picture is 720x576 pixels. HDTV: 720p - The picture is 1280x720 pixels, 1080i - The picture is 1920x1080 pixels,
SPDIF	SPDIF (Sony and Philips Digital Interconnect Format) is highly recommended for high quality digital sound output. Note: SPDIF only supports at HDMI source.

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.

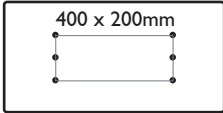
TV Location

- 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

	32HF7445
ON SCREEN DISPLAY LANGUAGE	ENGLISH, CHINESE, MELAYU
CONNECTIVITY Bottom Side	<p>AC IN HDMI 1 / HDMI 2 PC IN - Audio input, D-Sub CVI 1 - Component video (YPbPr), Audio L/R input CVI 2 - Component video (YPbPr), Audio L/R input AV - Video input, S-video, Audio L/R input SPDIF output 8Ω Mono Audio out 75Ω /RF</p> <p>Side AV - S-video, Audio L/R input, Video input, Earphone DATA 1 / DATA 2</p>
WEIGHT & DIMENSIONS: Weight (incl. Packaging): Weight (excl. Packaging): Carton Dimension (WxHxD): Product Dimension (WxHxD)	<p>22 kg/48.5 lbs 18.3 kg/40.34 lbs 1070 x 668 x 251 mm 42.12" x 26.30" x 9.88" 791 x 604 x 251.5 mm 31.14" x 23.78" x 9.9"</p>
POWER Power Consumption Standby Power Consumption Mains Power	<p>150W (max.) < 3W 100-240V, 60-50Hz</p>
WALL MOUNT:	<div style="text-align: center;">  <p>400 x 200mm</p> </div> <p>Metric 6 (10mm) screws are needed for wall mounting (not included).</p>