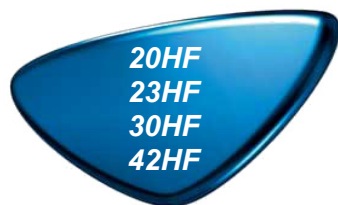


# LCD TV



*Instruction for Use*



**PHILIPS**

### **Care of the screen**

Do not touch, push, rub or strike the screen with anything hard as this may scratch or damage the screen permanently. Do not rub with chemically treated cloth. Do not touch the surface with bare hands or greasy cloth. Unplug the TV before cleaning the screen. When the surface becomes dusty, please wipe gently with absorbent cotton or other soft materials like chamois. Do not use acetone, toluene and alcohol because they cause chemical damage.

Do not use liquid cleaners or aerosol cleaners. Wipe off saliva or water drops from the screen as soon as possible as their long time contact with the screen may cause deformations and colour fading over time.

### **Warning concerning stationary images on the TV screen (For Plasma TV only)**

A characteristic of Plasma Display Panels is that displaying the same image for a long time can cause a permanent after-image to remain on the screen. This is called phosphor burn in. Normal use of the Plasma TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen.

### **Warning concerning VGA/DVI display mode**

As this product processes in VGA/DVI mode, some diagonal lines may be seen due to environmental interference. This will not affect the computer signal performance that displays in VGA/DVI mode.

### **Environmental**

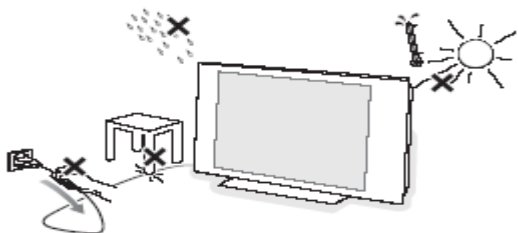
- Your television contains material that can be recycled and reused by specialized companies. Please find out about local regulations on the disposal of your old television set. Pay particular attention to the disposal of exhausted batteries.
- Your television consumes energy in the stand-by mode. Energy consumption contributes to air and water pollution. We advise you to switch off your television overnight instead of leaving it in stand-by mode.

## **Preparation**

### **Wall mounting instructions/Table stand**

According to the type of TV you've purchased a wall mount bracket and/or stand may be supplied. To mount the supplied stand and/or wall mount bracket, please refer to attached separate instructions. Make sure that the wall mount is fixed securely so that it meets safety standards.

## Make sure that air can circulate freely through the ventilation slots

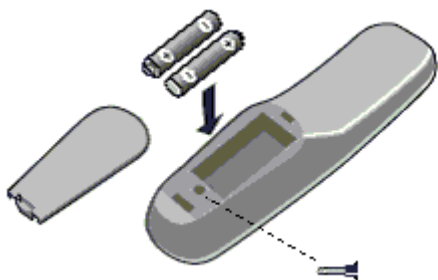


To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed on or in the vicinity. Avoid heat, direct sunlight and exposure to rain or water. The equipment should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on it. Insert the aerial plug firmly into the aerial socket at the bottom rear of the TV.

## Connecting the Mains



Insert the mains plug into the wall socket and switch on. Please refer to the label on the back of the television for the correct operating voltage.

## Installing the remote control



- Remove the cover at the back of the remote control.
- Insert the correct battery type and size into the compartment making sure that the polarity orientation is correct.
- You can secure your batteries by fastening an appropriate screw into the hole of the battery cover.

## Switch the TV on:

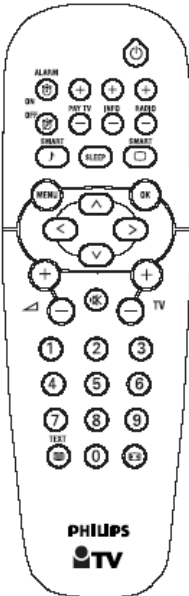
Press the power switch  on the TV. An indicator on the front of the TV lights up and the screen comes on. If the TV is in standby mode (red indicator), press the **- TV+** keys or the  key on the remote control to switch on the TV.

## To use the menus

### Accessing the Set-up Menu

When the set is in the High Security Mode, the Setup menu can be accessed only by the Institutional Set-up Remote Control (RG4172BK or RC2573) by pressing the M key. The Institutional Set-Up Remote Control is available as an option.

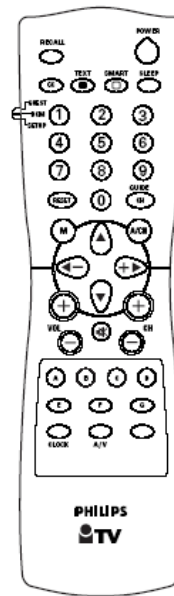
When the set is in the Standard Security Mode the Set-up Menu may be accessed with the standard guest remote control (RC2886) by a sequence of commands (3 1 9 7 5 3 MUTE).



RC2886



RG4172BK  
(Optional)



RC 2573  
(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.

Setup	
<b>Language</b>	<b>English</b>
<b>Communication</b>	>
<b>No. of Channels</b>	>
<b>Channel Install</b>	>
<b>Configuration</b>	>

- To exit any menu press “Menu” button
- Select “YES” to activate/enable a setting, “NO” to deactivate/disable.
- TELEVISION up/down, INFO up/down, PAY-TV up/down and RADIO up/down are active in Setup menu mode and the television reacts the same way as in TV mode.

## Setup menu items

Setup	
Language	English
Communication	✓
No. of Channels	✓
Channel Install	✓
Configuration	✓

- **Language:** Select the language of the installation menu. Options are "ENGLISH" and "MELAYU".
- **Communication:** The Communication option is for enabling interactive applications. For more information consult the application notes. For stand-alone applications select "OFF" option under the Communication sub menu.

**Important!** Do not select *Iconn1* mode unless application is with Iconn 1 box. Once the TV is set in *Iconn1* mode, it will not respond to RC commands anymore. To regain control over the TV, press any key (except the Power key) on the Set-Up remote for about 4 seconds and while continuing to hold the key, press any key (except the Power key) on the local keyboard. A message "IR Loopback" will appear momentarily to indicate that the set has been released from *Iconn1* mode.

- **No. of Channels:** This sub menu allows setting the number of TV, PAY-TV, Radio and Info 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.

## Channel Installation

In the Channel Installation sub-menu, channel settings can be set. When this menu is open, all the protections are inactive.

Channel Install	
Channel	TV 0
Input	Tuner
System	Auto
Frequency	175.2500 >
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", "PAYTV" and "RADIO".

*Note:*

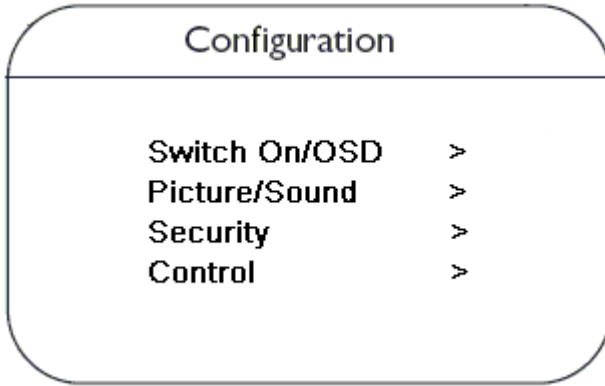
*Use the numeric keys to enter the program number. For program number below 10, enter the first digit as "0" followed by the program number. Eg "01" for TV 1.*

*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, AV1, AV2, S-Video, CVI, RADIO, VGA, DVI, HD-A and HD-D. Note that some input sources may not be available on certain models.
- **System:** NTSC 3.58 BG/I/DK/M, NTSC 4.43 BG/I/DK, PAL 4.43 BG/I/DK, SECAM 4.43 BG/I/DK, and AUTO.
- **Frequency:** Digits can be entered for a frequency in MHz. Press the Right key to start the auto search; during frequency entry the digits not yet entered are displayed as dashes "-". Enter first digit as "0" for frequencies below 100 MHz.
- **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

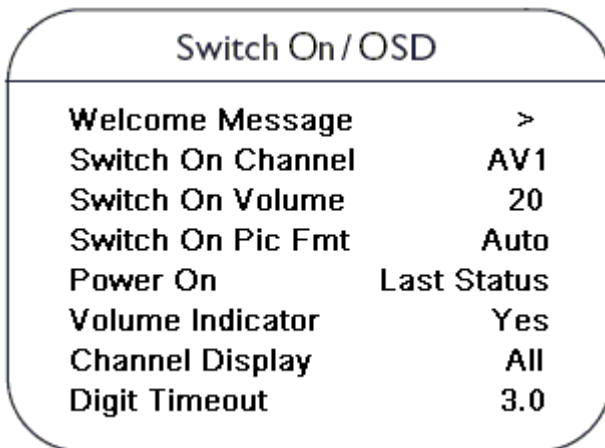
In the Configuration menu, various settings and features of the TV can be adjusted.



- **Switch On/OSD:** In this sub-menu the Switch On characteristics and On Screen Display settings of the TV upon switched On can be configured.
- **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.

## 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.



- **Welcome Message:** Press Cursor Left/Right to display Welcome message entry menu:
  - **Welcome Message**
  - **Display** Yes/No
  - **Line 1**
  - **Line 2**
  - **Clear**

With the Up/Down key you can set the message characters.

- **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" and "STANDBY".
  - **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.
  - **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.
- **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, None.**
- **Digit Timeout:** This is the time-out to enter the second digit of program number, eg for program number 10 and above.

## Picture and Sound settings

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

Picture / Sound	
<b>Brightness</b>	<b>70</b>
<b>Colour</b>	<b>50</b>
<b>Contrast</b>	<b>50</b>
<b>Sharpness</b>	<b>50</b>
<b>Tint</b>	<b>50</b>
<b>Active Control*</b>	<b>Yes</b>
<b>Treble</b>	<b>50</b>
<b>Bass</b>	<b>50</b>
<b>Balance</b>	<b>0</b>
<b>AVL</b>	<b>On</b>

- **Brightness:** This changes picture brilliance.
- **Colour:** This changes the intensity of the colour.
- **Contrast:** This changes the difference between the light and dark tones.
- **Sharpness:** This changes the picture definition.
- **Tint:** This allows adjustment of colour hue to obtain natural skin tones.
- **Active Control (\* menu option only available in certain models):** Active Control function optimises the quality of the picture according to the quality of reception

- **Treble/Bass:** This adjusts the level of treble and bass effects on the TV's sound output.
- **Balance:** This balances the sound on the left and right speakers.
- **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 Level	Standard
Keyboard Lock	No
Video Out Mute*	No

- **Security Level:** The “SECURITY” function allows the user to select one of two states - “HIGH” or “STANDARD”. The default is “STANDARD”.
  - When the set is in the Security High Mode the setup menu can only be accessed by a Institutional Set-up Remote Control.
  - When the set is in the Security Standard Mode, the Set-up 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 Lockout function disables the television's local keyboard for volume and program control.
- **Video Out Mute (\* menu option only available for 30” and 42” models) :** This option allows the user to mute the AV output, to prevent unauthorized copying of AV content.

## 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
Min Volume	0
Max Volume	99
Audio Out Volume*	99

- **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.
- **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.
- **Audio Out Volume (\* menu option only for models with external bathroom speaker feature):** Set the volume of the external audio output (e.g. bathroom speaker). This volume is independent of the main speaker volume level.

## Remote control keys

### Alarm On (for sets with Clock display)

Activates the wake-up alarm. After a valid time (0:00 to 23:59) is entered, the "Wake up Alarm" icon on the clock display will be visible.

### + Pay TV -

To move up or down a Pay TV channel.

### Alarm Off (for sets with Clock display)

Deactivates the wake-up alarm. The "Wake-up Alarm" icon on the clock display will disappear.

### Menu

To call up or exit the TV menus.

### + Vol -

To adjust the volume.

### Mute

Press once to suppress the TV sound. Press once more to restore the TV sound.

### 0/9 Digit keys

To select a TV channel. For a two digit programme number, enter the second digit before the dash appears.

### Teletext

(See p.12 for details)

### Standby

Press to switch the TV to standby mode.

### + Info -

To move up or down an Info channel.

### + Radio -

To move up or down a Radio channel.

### Smart Keys

To select predefined picture and sound settings.

### Sleep

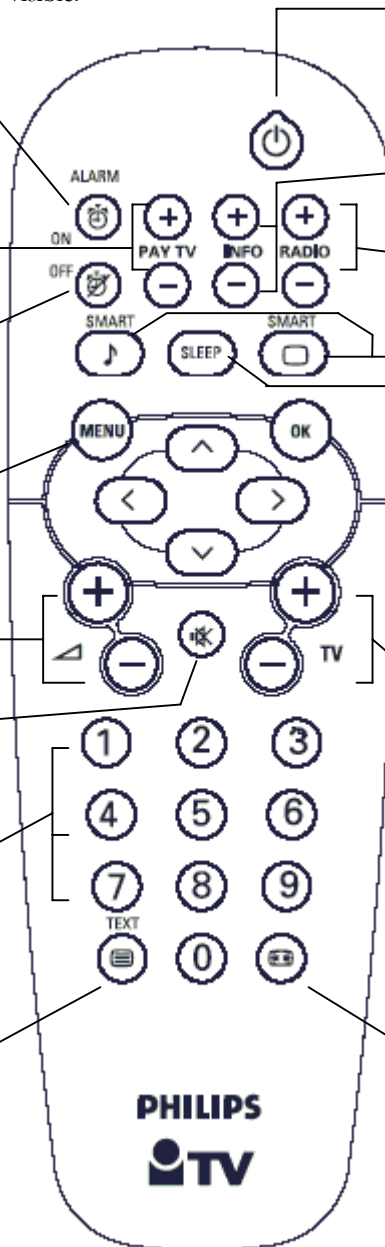
Activates the sleep timer. Press repeatedly to increment the countdown time with 15 minutes.

### + TV - Channel Selection

To move up or down a TV channel.

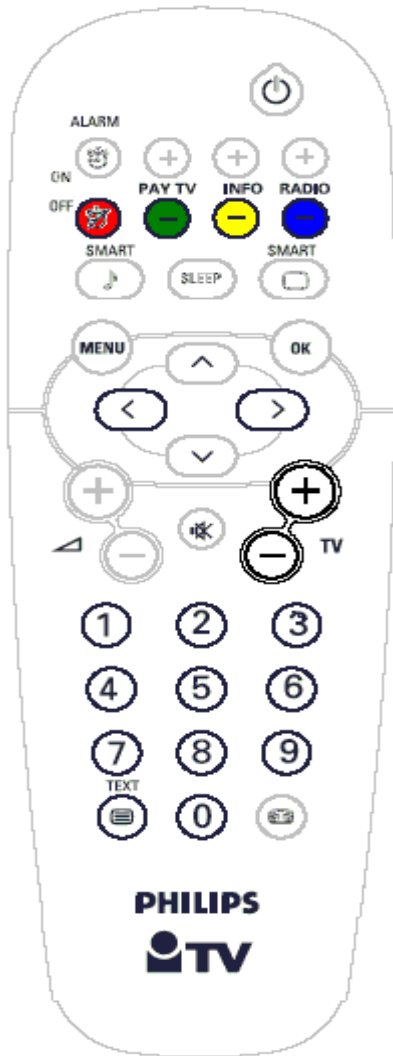
### 16:9 Formats

(See p.14 for details)



# 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.).

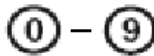


Press:



To switch Teletext On/Off

In Teletext mode, press:



To enter a (3-digit) page number



For previous / next page



For previous / next page



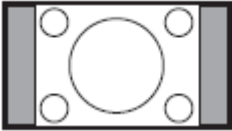
Direct access to coloured page numbers as indicated at the bottom of screen

## 16:9 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.

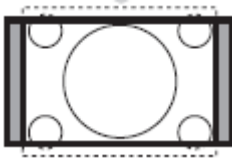
### Using the different formats

Use the **16:9 Formats** key on the Remote Control to select the different modes: 4:3, Zoom 14:9, Zoom 16:9, Subtitle zoom, Super wide, Wide screen or Fullscreen.



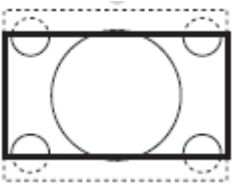
#### 4:3

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



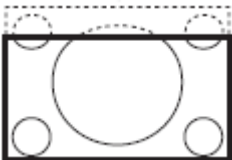
#### Zoom 14:9

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



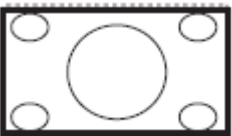
#### Zoom 16:9

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

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



#### 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


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



### **Fullscreen**

This mode displays images in full screen.

## **Low battery check**

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

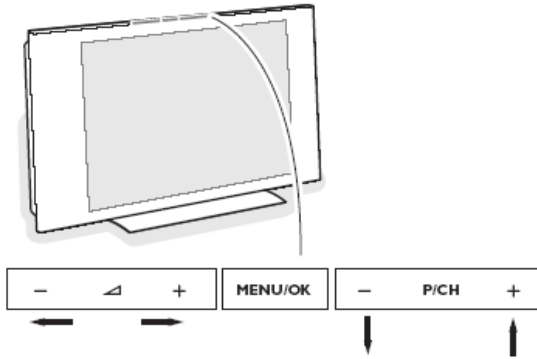
**SERVICE**

**1      REMOTE BATTERY      OK**

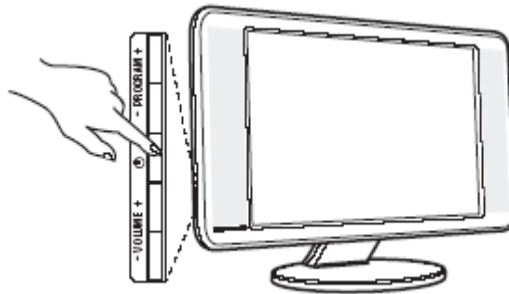
If the word “LOW” appears instead of “OK”, the remote control batteries are low and must be replaced.

## Keys on the TV

Should your remote be lost or broken you can still change some of the basic settings with the keys on top/side of your TV.



Keys on top of TV



Keys on side of TV

Press:

- The **- Vol +** key to adjust the volume;
- The **- P/CH+** key to select the TV channels or source

Press the **MENU/OK** key to summon the main menu (*not available on all TVs*). Use:

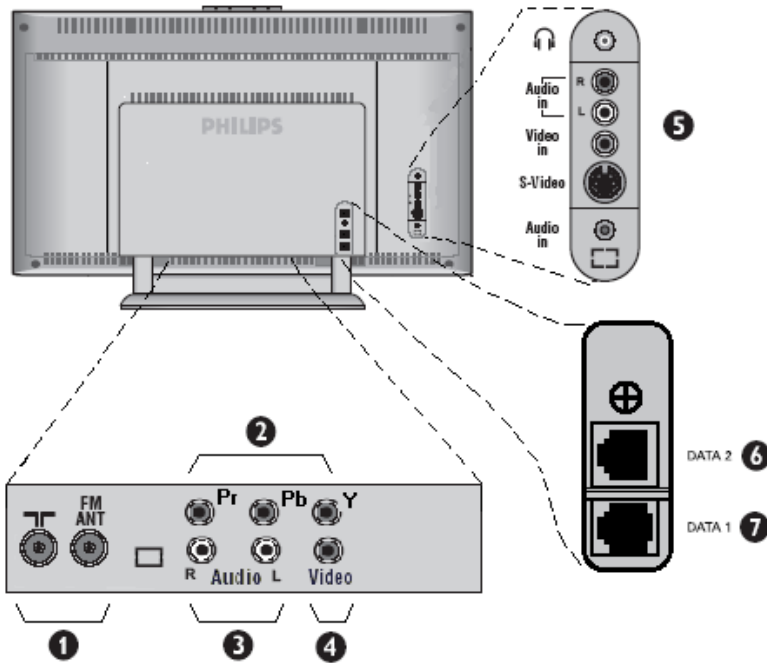
- The **- Vol +** key and the **- P/CH+** key to select menu items in the directions as shown;
- The **MENU/OK** key to remove the menu



## Connecting the television set

This section provides information on the connectivity available for different LCD Television sets. Refer to the screen size that is relevant to your TV set.

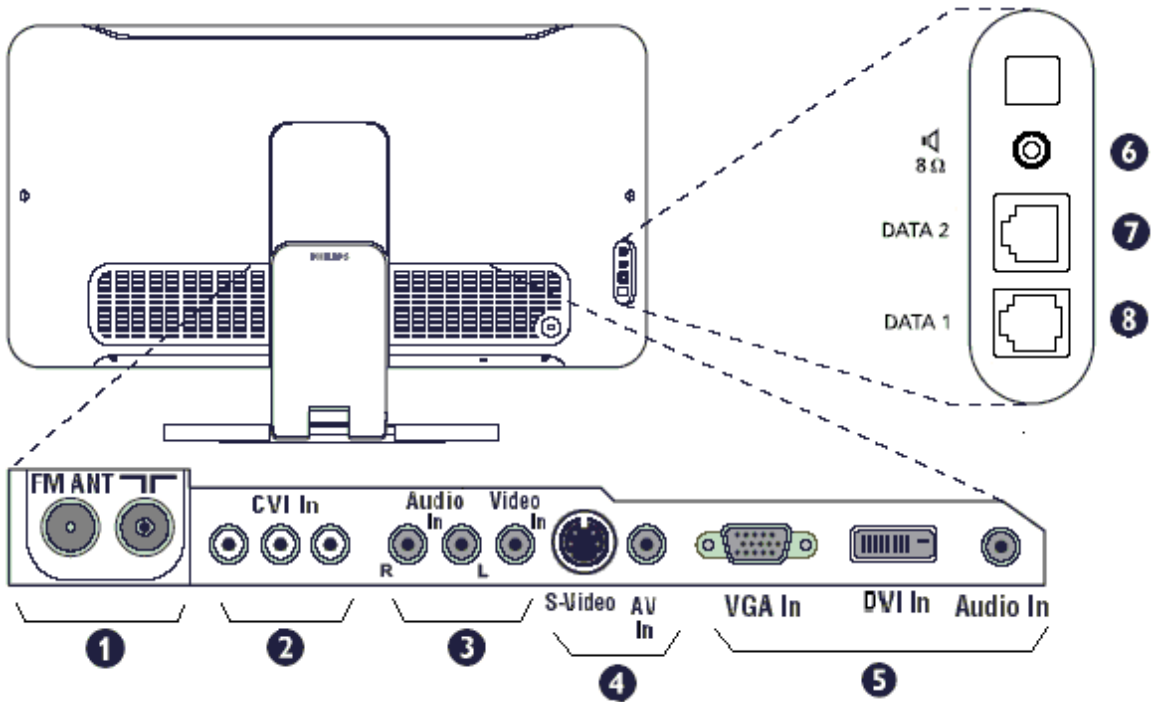
### 20" LCD TVs



#### Connectors on the 20" LCD TVs

1. TV and Radio aerial sockets
2. Component Video Inputs (CVI) connectors – Pr, Pb, Y
3. Audio-In connectors (AV1)
4. Video-In connector (AV1)
5. Side IO Connectors (AV2) – Audio-In, Video-In, S-Video, and PC-Audio In
6. Data 2 (RJ45) jack – for interactive connectivity purposes
7. Data 1 (RJ12) jack – for interactive connectivity purposes

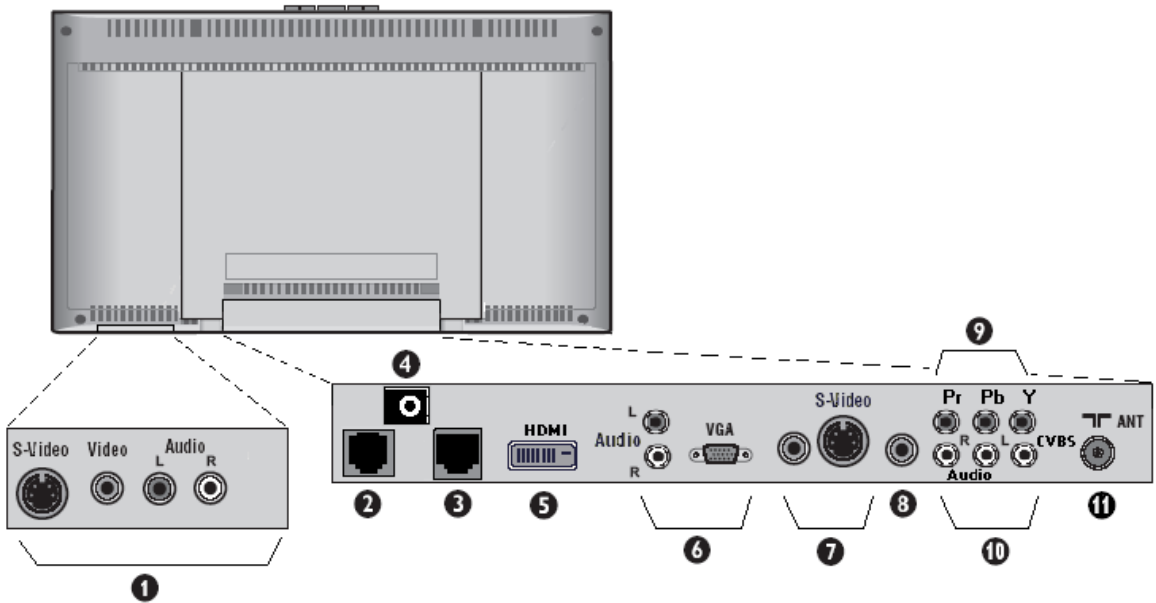
## 23" LCD TVs



### Connectors on the 23" and 26" LCD TVs

1. TV and Radio aerial sockets
2. Component Video Inputs (CVI) connectors – Pr, Pb, Y
3. Audio-In and Video-In connectors (AV1)
4. S-Video and Audio/Video-In connectors (AV2)
5. VGA, DVI and Audio input for connecting a computer
6. External Bathroom Speaker
7. Data 2 (RJ45) jack – for interactive connectivity purposes
8. Data 1 (RJ12) jack - for interactive connectivity purposes

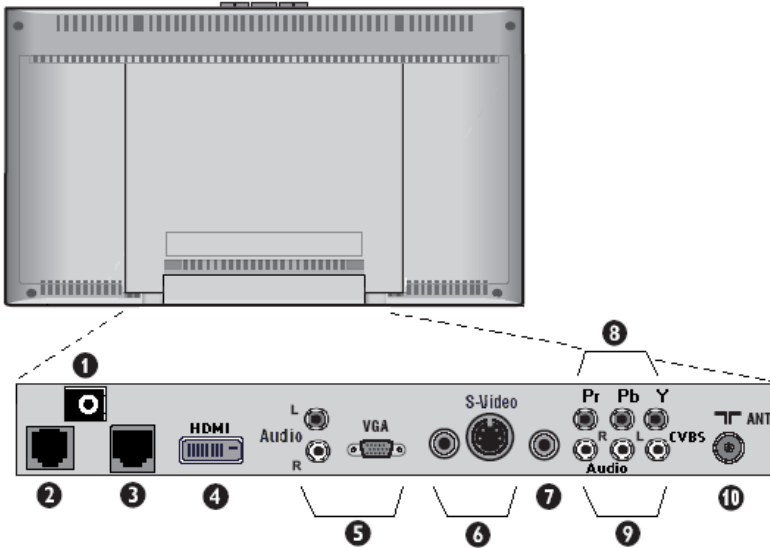
## 30" LCD TVs



### Connectors on the 30" LCD TVs

1. Side IO Connectors – Audio-In, Video-In, and S-Video
2. Data 1 (RJ12) jack - for interactive connectivity purposes
3. Data 2 (RJ45) jack – for interactive connectivity purposes
4. 12V-In power DC jack
5. HDMI Input connector (AV3)
6. VGA and Audio input for connecting a computer (AV3)
7. S-Video and Audio/Video-In connector (AV2)
8. Monitor-Out (Video/Audio) connector
9. Component Video Inputs (CVI) connectors – Pr, Pb, Y
10. Audio-In and Video-In connectors (AV1)
11. TV aerial socket

## 42" TVs



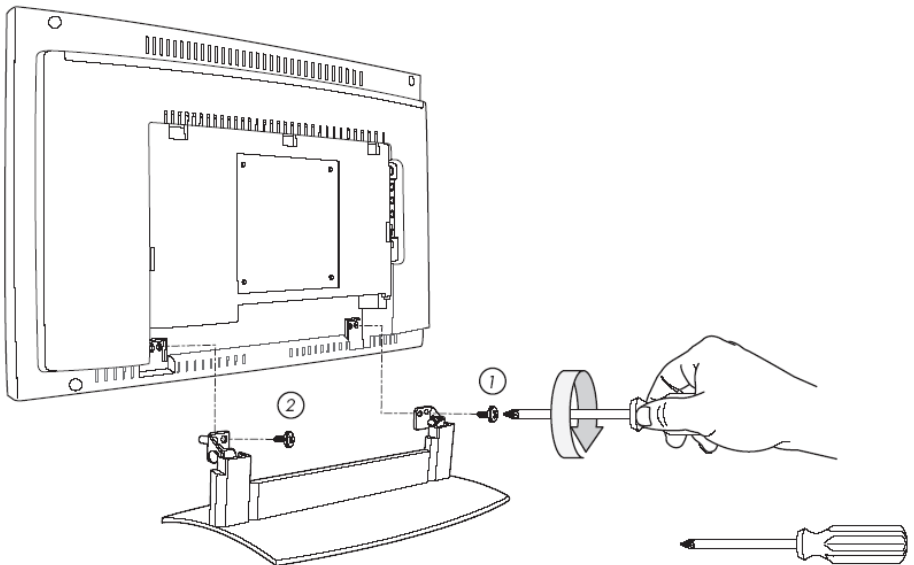
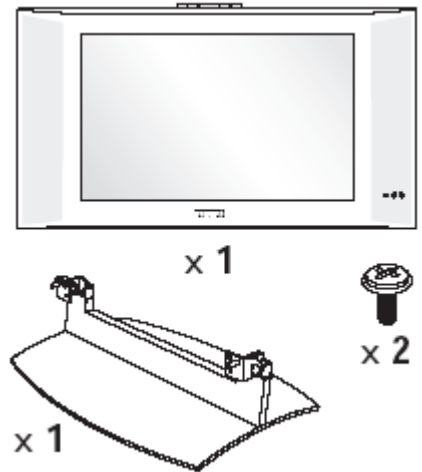
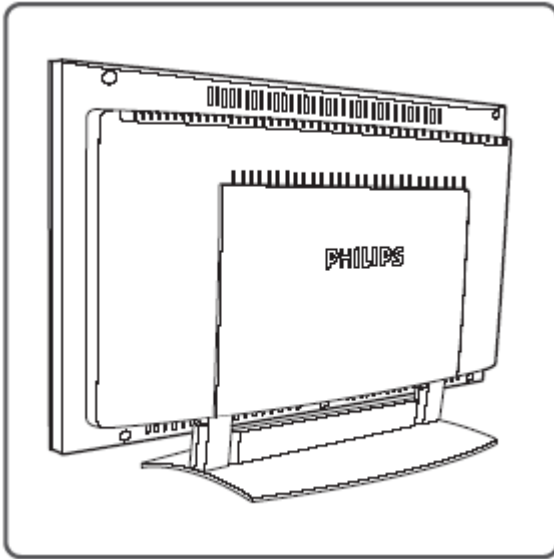
### Connectors on the 42" TVs

1. 12V-In power DC jack
2. Data 1 (RJ12) jack - for interactive connectivity purposes
3. Data 2 (RJ45) jack – for interactive connectivity purposes
4. HDMI Input connector (AV3)
5. VGA and Audio input for connecting a computer (AV3)
6. S-Video and Audio/Video-In connector (AV2)
7. Monitor-Out (Video/Audio) connector
8. Component Video Inputs (CVI) connectors – Pr, Pb, Y
9. Audio-In and Video-In connectors (AV1)
10. TV aerial socket

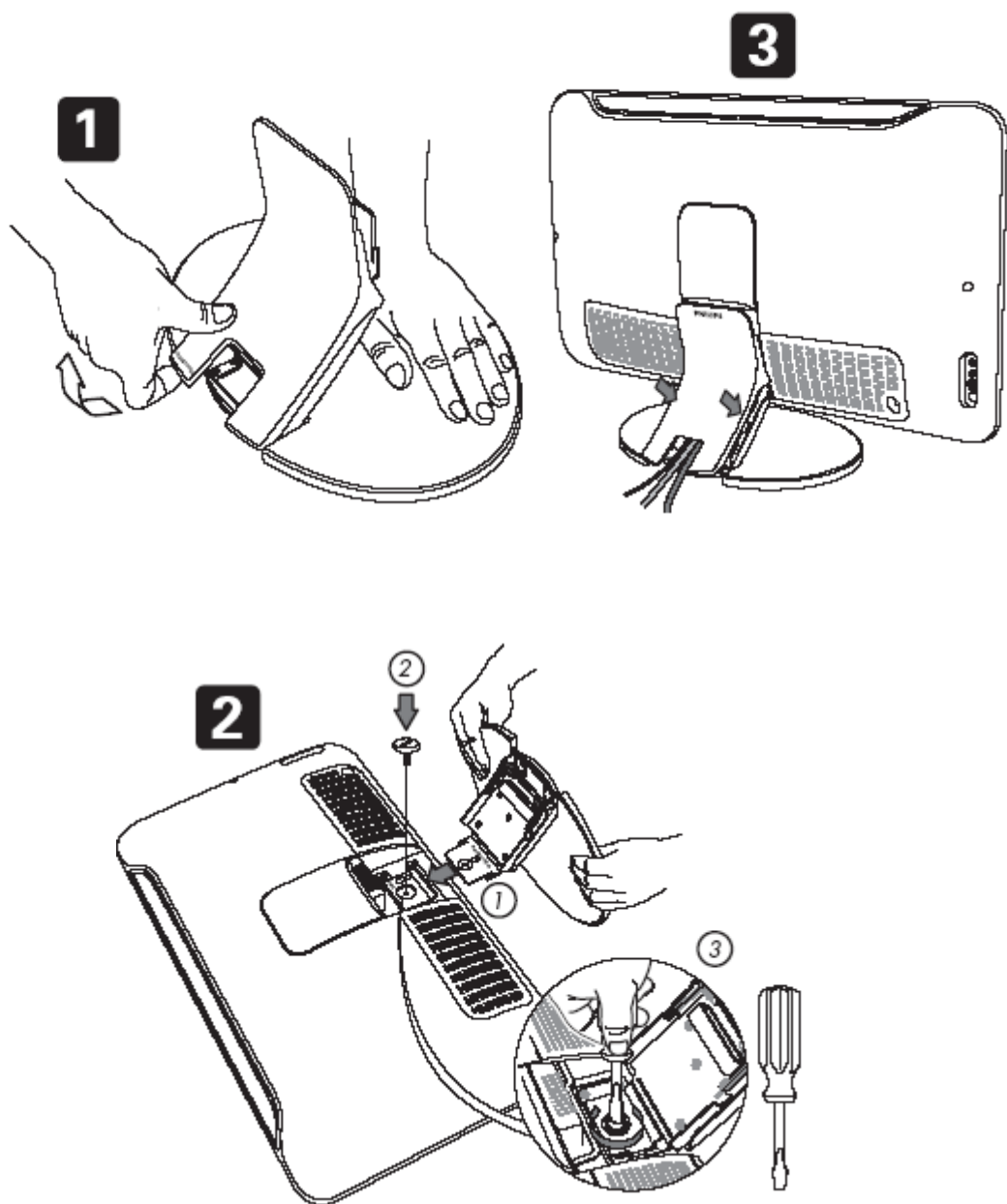
# Mounting the Television Stand

This section provides information on the connectivity available for different LCD Television sets. Refer to the screen size that is relevant to your TV set.

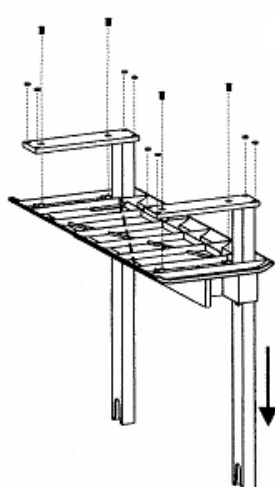
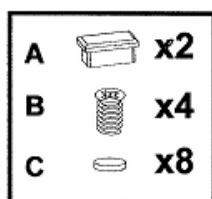
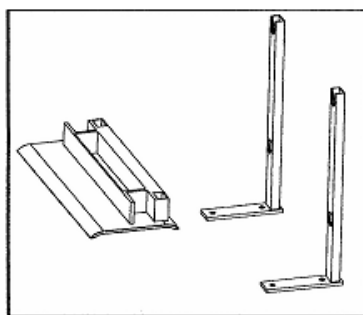
## 20" LCD TVs



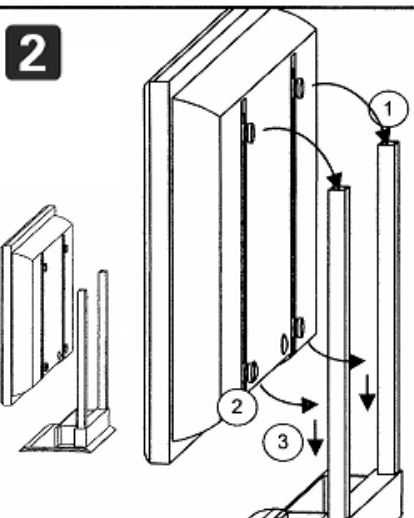
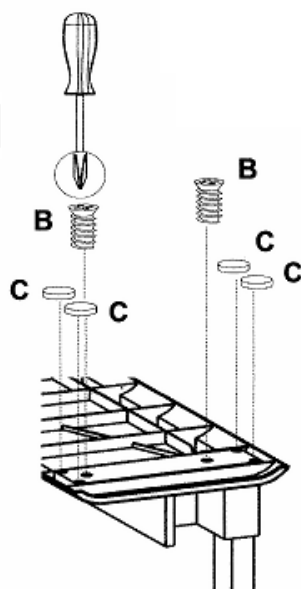
## 23" LCD TVs



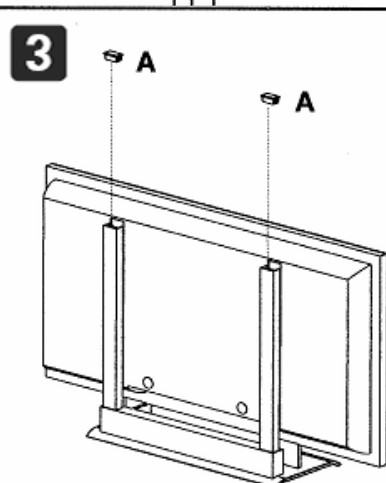
## 30" & 42" TVs



**1**



**2**



**3**



**3139 125 33534**