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Help?

If this instruction manual does not give an answer or if 'Tips' do not solve your TV problem, you can call your Local Philips Customer or Service Centre. See the supplied World-wide guarantee booklet.

Please, have the Model and Product number which you can find at the back of your television set or on the packaging, ready, before calling the Philips helpline.

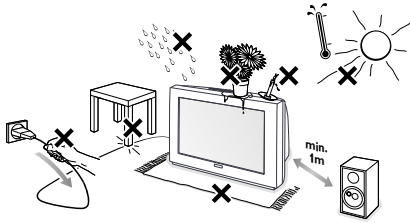
Model:
Product No:




EasyLink features are based on the "one touch operation" approach. This means that a sequence of actions are executed at the same time in both the television and the video cassette recorder, **provided both are fitted with the EasyLink function** and connected with the eurocable supplied with your video recorder.

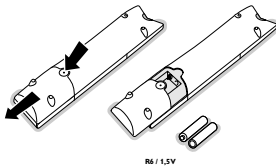
Preparation

- 1 Place the TV on a solid surface.**
! 28PW9527: 41 kg; 32PW9527: 59 kg; 36PW9527: 79 kg !




For ventilation, leave at least 5 cm free all around the TV.
Do not place the TV on a carpet.
To prevent any unsafe situations, do not place any objects on top of the TV. Avoid heat, direct sunlight and exposure to rain or water. Keep mobile telephones at a safe distance to avoid disturbances in picture and sound.

- 2** Insert the aerial plug firmly into the aerial socket  at the back of the TV. For best picture quality use the suppressor-aerial cable supplied.
- 3** Remote control: Remove the cover of the battery compartment. Insert the 2 batteries supplied (Type R6-1,5V).



The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many countries exhausted batteries may not be disposed of with your household waste. Please check on how to dispose of exhausted batteries according to local regulations.

Note: this remote control functions with TVs and other equipment which use the RC6 signalling standard.

- 4 Insert the mains plug of the TV** in the wall socket having a mains voltage of 220V-240V. To prevent damaging the mains (AC) cord which could cause a fire or electric shock, do not place the TV on the cord.
- 5 Switch the TV on :** Press the power switch  on the front of your TV.
A green indicator on the front of the TV lights up and the screen comes on.
If the indicator is red, press the **-P+** keys on the remote control.

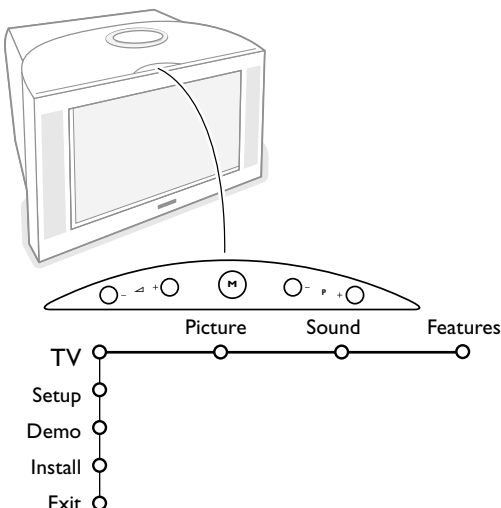
The green lamp blinks every time you press a key on the remote control.

*When you switch on your set for the first time, the menu **LANGUAGE** automatically appears on the screen. The explanation appears in different languages one at a time. Choose your own language and press the OK key on the remote control.*



Optional wireless transmitter module

Your TV has been prepared and equipped to connect a wireless transmitter module with an integrated cable and wireless surround sound loudspeakers. Such a kit may be purchased at your TV retailer. (Type no:AD902W).
Select the correct type of transmitter in the Setup menu, Speakers, Wireless transmitter, p. 9 Default 864 MHz has been selected at the factory.
How to connect and to operate, see the appendix to this manual, p. 23.

Keys on top of the TV



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

- Press the  - or + key to adjust the volume.
- Press the **P** - and + key to browse through the TV channels or sources stored and to select them.
- Press the **M** key to summon the main menu.
Use the  - and + keys to select the menu items in the horizontal axis.
Use the **P** - and + keys to select submenu items in the vertical axis.
Use the **M** key to confirm your selection.

Note:

- Sometimes not all the menu items are visible on the screen;
Press the **P +** key to reveal all items.
- **Exit** lets you dismiss the menu. Select **Exit** and press the **M** key.

Use of the remote control

Use the on-screen info for more information about the different keys. See p. 5

Select peripherals

Press this key to select **EXT1**, **EXT2**, **EXT3** or **SIDE**, according to where you connected the peripherals (p. 21).

VCR DVD AMP AUX (see p. 21)

Press one of these keys to use the remote control directly in the video recorder, DVD, amplifier or other auxiliary mode (CD, SAT). A green indicator lights up. Press the key again to return to TV mode.

Video recorder see p. 21

Select TV channels by theme



If NEXTVIEW with defined themes is broadcast, it is possible to quickly select TV programmes with the coloured keys.

- 1 Press the red, green, yellow or blue key to select one of the four predefined theme categories **MOVIES**, **SPORTS**, **CHILDREN**, **NEWS**.
The TV switches to the first TV channel broadcasting a programme of the selected theme. At the same time a list of all the TV channels currently transmitting a programme of the selected theme appears on the screen.
- 2 Use the cursor up/down to select a programme.
- 3 Press the same colour key again to remove the list. (After 10 seconds the list is removed automatically.)

Switching Pixel Plus demo on/off

- 1 Press the **PIXEL PLUS** key.
The TV screen is divided into 2 parts:
 - in the left part Pixel Plus and Digital Natural Motion switched off;
 - in the right part Pixel Plus and Digital Natural Motion switched on.
- 2 Press the **PIXEL PLUS** key again to switch the Pixel Plus demo off.

NEXTVIEW see p. 15

Press this key to activate NEXTVIEW/Teletext Guide. Press the  key to select Picture/NEXTVIEW- Teletext Guide in dual screen format. Press  again to display a full screen picture.

OK Press this key to activate your choice, when in the menus.

Standby

Press to switch the TV on or off. When switched off, a red indicator (orange when acquiring NEXTVIEW information) lights up. When acquiring NEXTVIEW the TV is switched to full standby after a period of max. 1 hour and the red indicator lights up. If your EasyLink video recorder has the system standby function and you press the standby key for 3 seconds, both the TV and video recorder are switched to standby.



Freeze

To activate/de-activate the frozen picture and to hold a teletext page.


Cinema Go


See separate Cinema Link instruction manual supplied.

Teletext see p. 17

Press this key to activate Teletext. Press  to select Picture/Teletext in dual screen format. Press  again to display a full screen picture.

Main menu on/off see p. 6

 Press + or - to adjust the volume.

 Interrupt the sound or restore it.

P Programme selection

To browse through the TV channels and sources stored. Only those channels which are in the favourite list can be selected with the **-P+** keys.


0/9 Digit keys

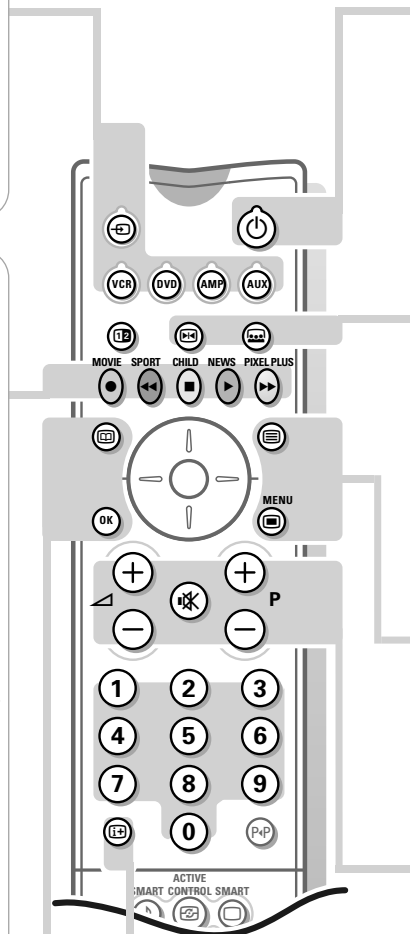
To select a TV channel. For a two digit programme number, enter the second digit within 2 seconds. To switch immediately to a selected one digit TV channel, keep the digit key pressed a bit longer.

Screen information






Press to display information about the selected TV channel and programme.

Menu information

When the menu is on screen, press  to display info on the selected menu item. While the menu info is displayed, press any key to display remote control info.



12 Dual screen

- 1 Press the  or  key. Press the **12** key to switch on Dual screen. The TV screen is divided into 2 parts: the left side for the normal main picture, the right side for teletext broadcast by the selected TV channel or for NEXTVIEW. To operate NEXTVIEW, see p. 15. To operate teletext, see p. 17.
- 2 Press the  key under the door of the remote control to select a vertical squeezed or a non vertical squeezed picture size.
- 3 Move the puck to the blue ball in the left screen. Press **+ P -** to select another TV channel.
- 4 Press the  key or the  key to switch off dual screen.

Surround mode

Press this key repeatedly to select another available surround mode: Stereo, Dolby 3 Stereo, 3D Surround, Hall or Dolby Pro Logic.

● Instant record

If your video recorder has the EasyLink function, the **INSTANT** ● key for record can be operated in the TV mode.

Picture format


Press this key to summon a list of **available** picture formats.

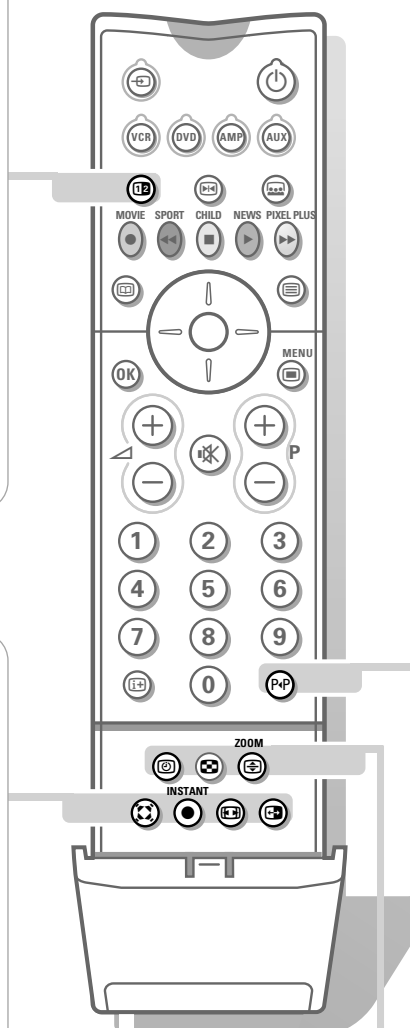
Press this key repeatedly or press the cursor up/down to select another picture format: Auto format, Super zoom, 4:3, Movie Expand 14:9, Movie Expand 16:9, Subtitle zoom, Wide screen.

Auto format makes the picture fill the screen as much as possible.

In case of subtitles in the bottom black bar, Auto format makes the subtitles visible. In case of a broadcaster logo in the corner of the top black bar, the logo disappears from the screen.

Super zoom removes the black bars on the sides of 4:3 programs with minimal distortion. When in Movie Expand 14:9, 16:9 or Super zoom picture format, you can make subtitles visible with the cursor up/down.

 no function



P+P Smart surf

With this feature you can easily switch between up to 9 different TV channels/sources.

In the menu system, you can set Smart surf to 2- or 9-programme.

(See General, Smart surf, p. 10.)

Press this key to select the previously viewed TV channel or source in case of a 2 programme surf.

In case of a 9 programme surf, a list appears at the right side of the screen. On top, the most recent programme is displayed. The puck is on the channel number currently viewed.

Press the P+P key to turn to the next channel in the list or press cursor up/down to immediately select the desired TV channel of the list.

To add a new channel or source: tune to the channel or source you wish to add.

Press the P+P key. Press the cursor right to add.


If there are already nine channels/sources in the list, the one at the bottom of the list will be removed.

To remove a channel or source: select the channel number you want to remove.

Press the P+P key. Press the cursor right to remove.

Press the **OK** key or wait for the time out to dismiss the Smart surf display.

 **Time display:** The time is displayed on the screen.

 no function


 **ZOOM** on/off

Press the **ZOOM**  key to activate/deactivate the zoom function.

Press the **OK** key repeatedly to select one of the zoom magnifications (x1, x4, x9, x16). Use the cursor up/down, left/right to shift the selected zoom window over the screen with the cursor.

The zoom window is reset after: selecting another TV channel, another picture format or when another picture format is selected automatically.

Active control

Active control is a pro-active and automatic system. The TV continuously measures and corrects all incoming signals in order to provide the best picture possible. Thanks to the Ambient Light Sensor which measures the light conditions of the room, the contrast, dynamic contrast, brightness and colour picture settings are adjusted automatically. The light sensor is active when the Active control function is switched to Medium or Maximum. Press the  key repeatedly to select the Active Control values Off, Minimum, Medium or Maximum (recommended).

Off Sharpness and Dynamic Contrast are controlled automatically

Minimum Sharpness, Dynamic Contrast and Noise Reduction are controlled automatically.

Medium Dynamic Contrast, Colour, Sharpness and Noise reduction are controlled automatically.

Maximum Contrast, Dynamic Contrast, Colour, Sharpness and Noise reduction are controlled automatically.

Press the cursor right to select **INFO+**.

The Active Control demo menu appears.

The picture settings are being adapted continuously and automatically.

The menu items cannot be selected.

The sliders will be moving, showing how the TV is tweaking the current picture. None of the sliders is user controllable.

Press the **OK** key to switch off the Demo.

Smart Keys

To select predefined picture and sound settings.

Smart Sound

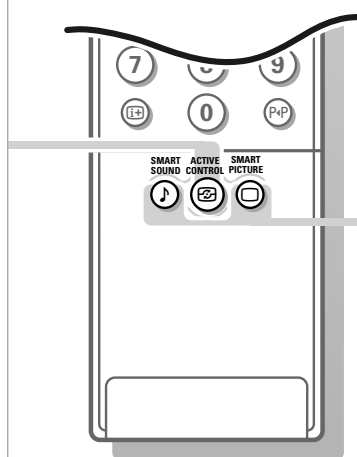
Each time it is pressed, a different sound setting is selected, corresponding with specific factory settings of treble and bass.

Smart Picture

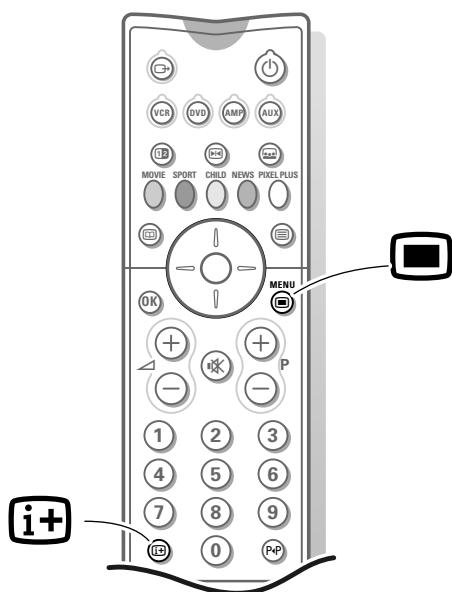
Each time it is pressed, a different picture setting is selected, corresponding with specific factory settings of Contrast, Colour, Sharpness, Dynamic Contrast and Colour enhancement.

Personal refers to the personal preference settings of picture and sound selected in the picture and sound menu.


Remark: the moment you are in a predefined smart sound or picture setting and you modify a setting in the picture or sound menu, all values of the menu will overwrite the previously made Personal settings. The predefined factory settings remain unchanged.






Menu Info / Remote Control Info



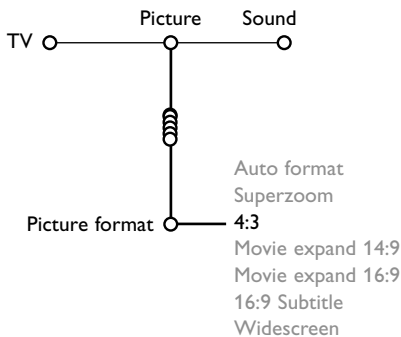
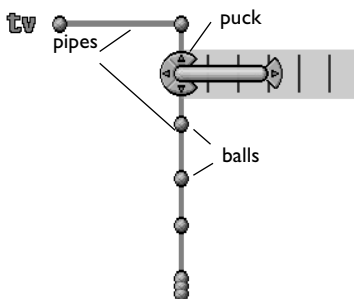
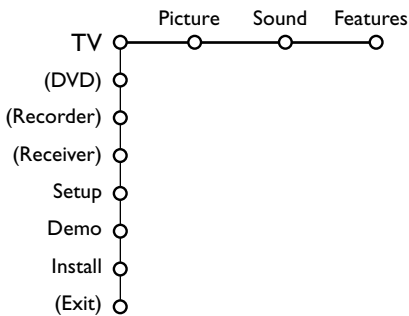
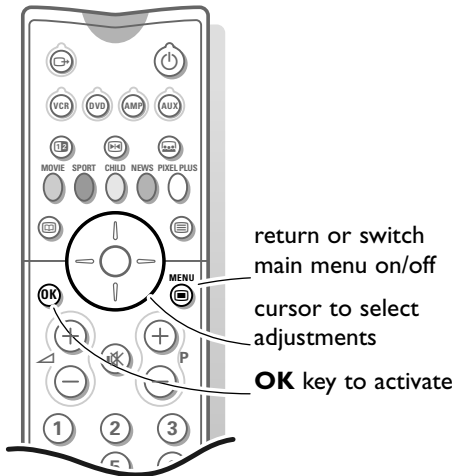
Menu Info

- 1 Press the **MENU**  key and select a menu item or submenu item.
- 2 Press the **INFO+** key on the remote control to get information about the selected menu item.
- 3 Press the **INFO+** key again to exit.



Remote Control Info

- 1 Press the **MENU**  key.
- 2 Press the **INFO+** key.
- 3 Press any key on the remote control (except the cursor keys, the **OK**, the **MENU** , the digit, the **INFO+** and the **POWER**  keys) and you get information about the pressed key.
The normal function of the key is not executed.
The moment one of the remote control keys which do not invoke remote control info, is pressed, remote info is cancelled.
- 4 Press the **INFO+** key to display the menu that was on screen before a remote control key for info was pressed.

To use the menus and the menu system



Attention: point the remote control to the indicator of the TV.

- 1 Press the **MENU**  key on the remote control to summon the main menu. Which items appear in the main menu depends on the peripherals connected. In case of an Cinema Link VCR or DVD, the menu items **Recorder** and **DVD** are present, see p. 21. In case of a Cinema Link audio receiver or DVD, the menu item **Receiver** or **DVD** is present. See the separate Cinema Link booklet supplied.
*Note: The Main menu only contains the item **Exit** to dismiss the menu, when you switch on your TV for the first time, or when the Main menu is summoned with the **M** key on top of the TV.*
- 2 Use the cursor in the up/down direction to select the **TV**, **(DVD)**, **(Recorder)**, **(Receiver)**, **Setup**, **Demo** or **Install** menu.
Note: Sometimes not all the menu items are visible on the screen. Press the cursor down to reveal all items.
- 3 Use the cursor in the left/right direction to select the menu item.
- 4 Use the cursor up/down again to select the control you want to select or to adjust.
- 5 Press the **MENU**  key again to turn off the main menu.

The menu system

Pipes, balls and a puck

The hierarchy of menus and controls is represented by an animated visual mechanism of pipes, balls and a puck. The animated mechanism constantly shows the current whereabouts and continually expands the view of the immediate neighbourhood.

The puck surrounds the ball indicating the user's current position in the menu hierarchy.

The puck is always present when the menu system is displayed.

The puck is divided into 4 parts. They correspond to the directional controls (up/down, left/right) on the remote control. The arrows on the cursor indicate which directions to choose.

In this way users can navigate through the menu hierarchy to the control they wish to adjust.

When items are more numerous than can fit comfortably on the TV display, only a portion are shown. Those omitted are indicated by a cluster of balls which indicates that there are 'more' items.

Direct selection and control

Menu items are controlled as soon as they are selected by the puck. Only a few items require confirmation with the **OK** key.

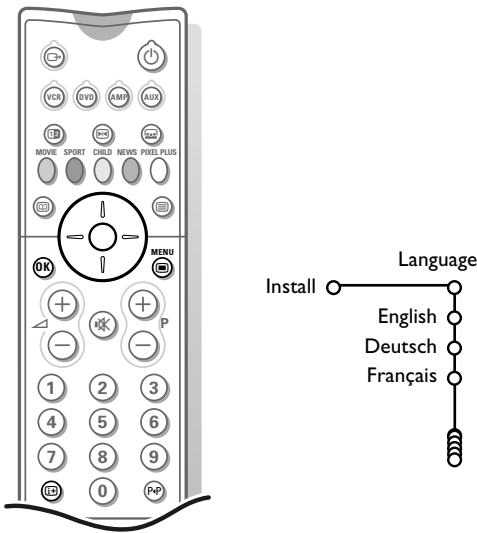
List controls

A list control is used to select one or more items from a list of options.

For instance, the Picture format option list with 4:3, Movie Expand 14:9, etc. Press the right key to move the puck into the list. At least one item is the current value and is highlighted.

Moving the puck up or down with the up/down key causes the list to move down or up.

Select the menu language

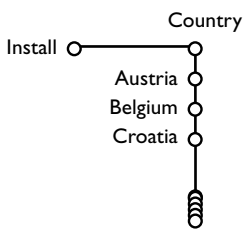


- 1 Press the **MENU**  key on the remote control.

When you switch on your TV for the first time and no channels are stored so far, the menu **Language** automatically appears on the screen. This menu also has an additional item **Exit** with which the menu can be dismissed. The explanation appears in different languages, one at a time. Choose your preferred language and press the **OK** key on the remote control. Proceed with the **Install** menu.

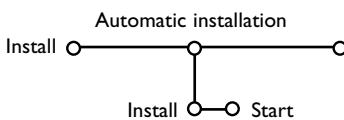
- 2 Use the cursor down to select **Install**.
- 3 Use the cursor right to select **Language**. Follow the instructions on screen.
- 4 Use the cursor up/down to select your preferred language and press the **OK** key to confirm your selection.
- 5 Proceed with the **Install** menu.

Select the country



- 1 Use the cursor right to select **Country**.
- 2 Select the country where you are now located and press the **OK** key. Select **Other** when none of the countries applies.
- 3 Proceed with the **Install** menu.

Store TV channels



You can now search for and store the TV channels in two different ways: using **Automatic Installation** or **Manual Installation** (tuning-in channel by channel).

Select your choice with the cursor right.

After the new or extra TV channels have been stored, the TV automatically transfers those TV channels to the video recorder if it is equipped with the **EasyLink** function. The message **EasyLink: downloading** appears on the screen. The programme list of the video recorder is now the same as the one of the TV.

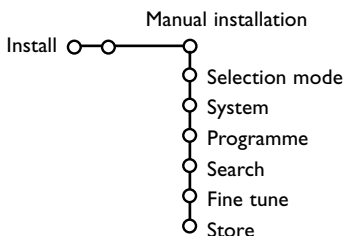
Automatic installation

- 1 Select **Automatic installation** in the **Install** menu.
Note: All channels must be unlocked in order to autoprogram. If requested, enter your code to unlock all channels. (See TV, Features menu, Childlock, p. 14.)
- 2 Press the cursor down.
The autoprogramming option label **Start** appears.
- 3 Press the cursor right.
- 4 The message **Searching** appears and the progress of autoprogramming is displayed.
When the Automatic installation is complete, the puck navigates to **Install** again.

If a cable system or a TV channel which broadcasts **ACI** (**Automatic Channel Installation**) is detected, the search is stopped and the programme list appears. Without **ACI** broadcast, the channels are numbered according your language and country selection. You can use **Reshuffle** to renumber them. See p. 8

It is possible that the cable company or the TV channel displays a broadcast selection menu. Layout and items are defined by the cable company or the TV channel. Make your choice with the cursor and press the **OK** key.

Manual installation



Searching for and storing TV channels is done channel by channel. You **must go through every step** of the Manual Installation menu.

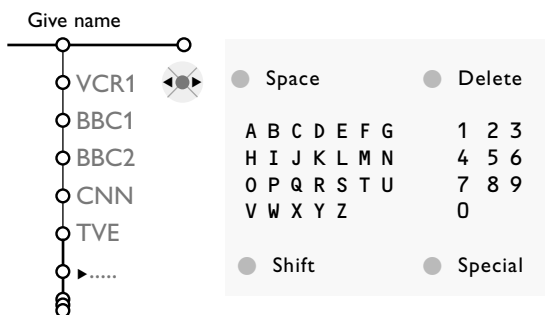
- 1 Select **Manual installation** in the Install menu.
- 2 Press the cursor down.
Follow the instructions on screen.

Note: Search or direct selection of a TV channel

If you know the frequency, the C- or S-channel number, enter the 3 digits of the frequency directly with the digit keys 0 to 9 (e.g. 048). Press the cursor down to proceed.

Repeat to search for another TV channel.

Give name



It is possible to change the name stored in the memory or to assign a name to a TV channel for which a name has not yet been entered. A name with up to 5 letters or numbers can be given to the programme numbers 0 to 99. For example SUPER, BBC1,... Before programme number 0 you can also enter a name for the peripherals that are connected to a euroconnector.

- 1 Select **Give Name** in the Install menu and press the cursor down.
- 2 Select the programme number.
Note: keep the cursor up/down pressed to scroll through the programme list and to avoid that the TV tunes to each channel passed by.
- 3 Press the cursor right.
A keyboard appears on the screen.
Press the cursor right to enter the keyboard.
Press the cursor up/down, left/right to select the first character and press **OK**. Repeat for every character you want to enter.
Select **Space** to enter a space; **Delete** to erase the highlighted character in the name entered; **Shift** to display upper- or undercast characters on the keyboard; **Special** to display special characters on the keyboard. Press **OK** to confirm.
- 4 Press the cursor left repeatedly when you have finished the name giving of the selected channel or peripheral.
- 5 Select another programme number and repeat steps 2 to 4.

Reshuffle the programme list

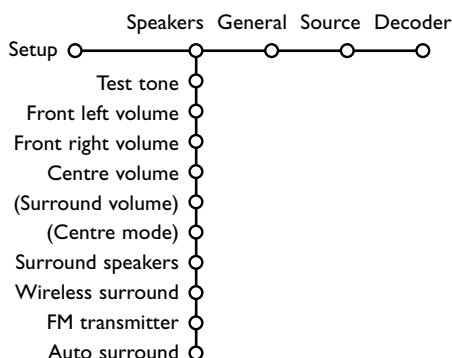
According to your preference you **can** change the order of the stored TV channels.

- 1 Select **Reshuffle** in the **INSTALLATION** menu and press the **OK** key.
- 2 Follow the instructions on screen.

Select Favourite TV channels

- 1 Select **Favourite programmes** in the **Install** menu.
- 2 Select your programme number with the cursor up/down.
- 3 Select **Yes** or **No** with the cursor right.
- 4 Repeat 2 and 3 for every TV channel or external you want to make a favourite or a non-favourite TV channel or external.

Install TV Setup



The Setup menu contains items that control the settings of the TV's functions, features, services and peripherals you may have connected.

The **Speakers** menu reflects the speaker-related controls.

The **General** menu allows you to change settings that will typically be accessed only occasionally.

The **Source** menu allows you to select a source and/or to name each input source.

The **Decoder** menu allows you to define one or more programme numbers as decoder programme numbers.

Speakers

Availability of Speaker menu items

Test tone	•	•	•	•	•
Front left volume	•	•	•	•	•
Front right volume	•	•	•	•	•
Centre volume		•	•	•	•
Surround volume				•	•
Centre mode	•	•	•	•	•
Surround speakers				•	•
	Stereo	3 Stereo	3D Surround	Hall	Pro Logic

Test tone and Volume controls

The menu item **Test tone** enables you to adjust the volume level of each until they are balanced. The speakers activated light up in the screen graphic.

- 1 Select **Test tone**.
- 2 Press the cursor right.
- 3 Select **On** or **Off** with the cursor up/down. Once turned on, the Test Tone will circulate through the Left, Centre, Right and both Rear surround speakers (if present).
- 4 Press the cursor left.
- 5 Press the cursor up/down to select the desired speaker for individual volume level adjustment.
- 6 Press the cursor left/right to adjust the volume level.
- 7 Continue and select the other speakers for adjustment as desired.
- 8 Press the cursor up to return to the **Test Tone** menu item when speaker adjustments are complete and turn the control **Off**.

Centre Mode

See Connect Peripheral Equipment, External Speakers, Amplifier, p. 20.

In order to receive the full reproduction capability of true Dolby Surround Sound you should include the proper use and arrangement of the speakers:

- via the TV and its internal Front right, Centre and Left speakers and two amplified rear surround speakers connected to the back of the TV;
- or via the Variable Line Out connectors and an external Dolby amplifier. See External speakers/Amplifier, p. 20.

Select the various Speakers menu controls to setup the configuration of the TV's speakers system for Dolby audio playback.

Each volume control can be adjusted to match test tone levels.

Depending on the output and Surround mode (see Main menu, TV, Surround, Sound mode, p. 13) selected, some menu items may be greyed out and are not selectable.

If no External Front Speakers are connected, do not change the predefined factory settings which is **Centre mode Off**. If an external amplifier with Front Speakers is connected, select **Centre mode On**.

In this setting, the centre channel in surround mode is directed to all three internal TV speakers (left, centre and right).

Surround Speakers

See Connect Peripheral Equipment, Connect extra loudspeakers/amplifier, p. 20.

If no Surround Speakers are connected do not change the predefined factory settings which is **Off**.

If Surround Speakers are connected select **On**.

(Dolby Pro Logic and Hall are not available if **Off** is selected.)

Wireless Surround

Only operational when you connected a special wireless transmitter module and wireless surround sound loudspeakers. (Kit with type no. AD902W).

See: Optional Wireless Surround speaker system, p. 23.

FM transmitter

Select the correct type of transmitter, when connected at the rear of the TV. See Optional Wireless surround speaker system, p. 23.

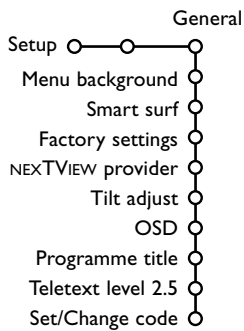
Auto Surround

Sometimes the broadcaster transmits special signals for Surround Sound encoded programmes.

The TV automatically switches to the best surround sound mode when **Auto Surround** is switched **On**.

However it is possible to overwrite this setting.

General



Menu background

- 1 Select **Menu background**.
- 2 Press the cursor right.
- 3 Select **Yes** or **No** to turn the Menu background on or off.

Smart surf

- 1 Select **Smart surf**.
- 2 Select **2 programmes** or **9 programmes** with the cursor left/right.
Select **2 programmes** if you want the P+P key to toggle between the current and the previously selected channel. Select **9 programmes** if you want the P+P key to summon a list of up to 9 channels which can be selected. (See Use of the Remote Control, p. 4.)

Factory settings

This function allows you to reset most of the picture and sound settings to their predefined factory values.

- 1 Select **Factory settings**.
- 2 Press **OK** to erase settings and reset them to their default values.

NEXTVIEW provider

Most broadcasters in Europe are offering teletext pages containing the day's programme schedule. These pages can be requested by switching the TV to Teletext Guide. Some broadcasters are offering an extended programme guide service called NEXTVIEW.

NEXTVIEW is a new way of presenting programme schedules and offers more features than basic teletext. With NEXTVIEW it is possible to show for instance all the movies or children programmes for today or the following days.

If you select **None** as NEXTVIEW provider, the TV will capture data from the available TV channels if they broadcast NEXTVIEW. Broadcaster defined menus will not be available.

If you select a programme number of a TV channel broadcasting NEXTVIEW, the selected TV channel will provide NEXTVIEW data and additional information of its own broadcasts as well as from other (non selected) TV channels.

Normally you will select the NEXTVIEW provider that transmits most information in your language. You can make the best selection via information from TV announcements or from the newspapers.

Important:

In order for NEXTVIEW to function properly, the first TV channel from the favourite list should also broadcast the correct local date and time via teletext. Please check at startup if the time and date are correct in the NEXTVIEW screen.

Remark:

Only some TV broadcasters support NEXTVIEW. How to make use of NEXTVIEW, see p. 15.

Tilt adjust

Select **Tilt adjust**.

Keep the cursor left/right pressed to adjust the rotation of the picture.

OSD (On Screen Display)

- 1 Select **OSD**.
- 2 Press the cursor right to select **Normal** or **Minimum**.
Normal to activate the continuous display of the programme number and extended display of TV channel and programme information on screen. **Minimum** to activate the display of reduced channel information. See Use of the Remote Control, p. 3, **i+** On screen information.

Note: When Subtitles is switched on, see Features, p. 15, continuous display of the programme number is not possible.

Programme title

- 1 Select **Programme title**.
- 2 Press the cursor right to select **Programme title Yes** or **No**.
When selected **Yes**, after the selection of a TV programme or after pressing the **i+** key on the remote control, a TV channel which broadcasts teletext may transmit the name of the TV channel or the programme title. When selected **No**, the programme title will only appear after pressing the **i+** key, and not after the selection of a TV channel.

Teletext level 2.5

Some broadcasters offer the opportunity to see more colours, other background colours and nicer pictures in the teletext pages.

- 1 Select **Teletext level 2.5**.
- 2 Press the cursor right to select **Teletext level 2.5 On** to take advantage of this feature.
- 3 Press the cursor right again to select **Teletext level 2.5 Off** if you like the more neutral teletext layout. The selection made is valid for all channels which broadcast teletext.

Note: It may take a few seconds before teletext broadcast switches over to Teletext level 2.5.

Set/Change code

The Child lock feature (see TV, Features, p. 14) allows you to lock channels to prevent children from watching certain programmes. To watch locked channels, you need to enter an access code.

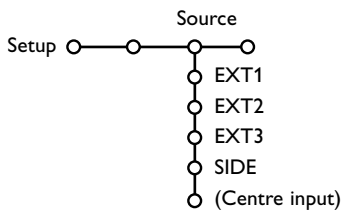
The **Set/Change code** menu item allows you to create or change a Personal Identification Number (PIN).

- 1 Select **Set/Change code**.
- 2 If no code exists yet, the menu item is set to **Set code**. If a code has previously been entered, the menu item is set to **Change code**. Follow the instructions on screen. All number combinations from 0000 to 9999 are valid numbers.
- 3 The **General** menu reappears with a message confirming that the code has been created.

Important: You have forgotten your code !


- 1 Select **Set/Change code** in the General menu.
- 2 Press **OK**.
- 3 Press the cursor right.
- 4 Enter the overriding code 8-8-8-8.
- 5 Press the cursor again and enter a new personal 4-digit code. The previous code is erased and the new code is stored.

Source



This menu allows you to select the peripheral you connected to one of the external inputs.

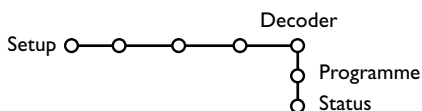
- 1 Select **Source**.
- 2 Press the cursor down to select one of the external inputs.
- 3 Press the cursor right to enter the list of names of peripherals attached to the selected input.
- 4 Select the peripheral device with the cursor up/down.

Once you have selected the source, e.g. VCR, this source will automatically be selected when your remote control is in VCR mode, see p. 3, and when you press the  key on the remote control.

Centre input

When you have connected a Cinema Link surround receiver to the TV (See separate Cinema Link instruction manual supplied) and you have selected one of the external inputs as centre input, the loudspeakers of the TV will act as centre speaker, making a separate centre speaker unnecessary.

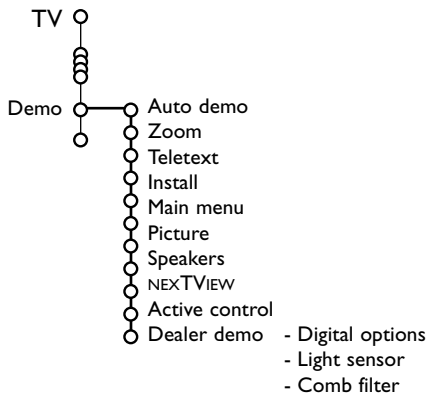
Decoder



If a decoder or a descrambler is connected, see p. 19, you can define one or more programme numbers as decoder programme numbers.

- 1 Select **Decoder** with the cursor right.
- 2 Select **Programme**.
- 3 Select the programme number under which you have stored the programme coming from your decoder.
- 4 Select **Status**.
 - Select the input used to connect your decoder: **None**, **EXT1** or **EXT2**.
 - Select **None** if you do not want the selected programme number being activated as a decoder programme number.

Demo



The Demo menu allows to demonstrate the TV features separately or in a continuous loop.

- 1 Select **Demo** in the Main menu.
- 2 Select **Auto demo** or one of the features with the cursor right and press the **OK** key on the remote control.

If **Auto demo** has been selected the demo will automatically present all the features sequentially in a loop. Press one of the cursor keys to stop the Auto demo. If one of the features has been selected, this particular feature demo will run only once, and the Demo menu will disappear.

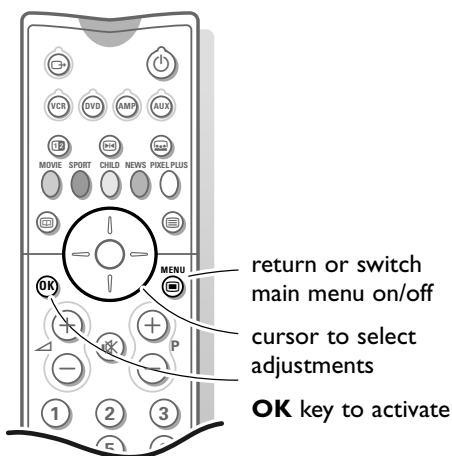
Select Digital options, Light sensor and Comb filter On or Off


Select one of the Digital options, Light sensor and Comb filter On or Off to really see the difference in picture quality.

In Dealer demo mode it is possible to change channels with **-P+** and to adjust the volume.

Note: The Dealer demo is not part of the automatic sequence and can only be activated separately.

TV menu



Press the **MENU**  key on the remote control to summon the main menu. Use the on-screen Menu-Info, see p. 5, for more information about the menu items.

Note: When the main menu is accessed from the keypad on top of the TV, it has an additional Exit item, which lets you dismiss the menu.

Picture menu

Press the cursor right to select **Picture**.

Select the menu items in the Picture menu with the cursor up/down. Adjust the settings with the cursor left/right or enter the list of submenu items with the cursor right. Select a submenu item with the cursor up/down.

Note: To remove the menu background before adjusting the picture settings, see Select TV setup, General, p. 10.

Digital options

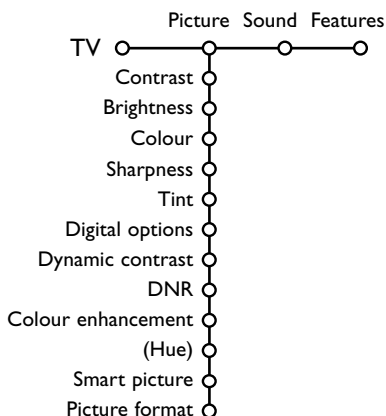
Although Pixel Plus is the most ideal setting, it may be preferable, dependent on your own preference, to select Double lines, or 100 Hz Digital Scan.

- **100 Hz Dig. Scan** = 100 Hz + Dig. Scan (Field and line flicker reduction) without motion compensation.
- **Pixel Plus** = creates near High Definition performance inside the TV on the basis of a regular input signal. The number of lines are increased and the number of pixels on a line are doubled in combination with Digital Natural Motion. As such Pixel Plus enhances both regular broadcast signals and DVD or Digital TV input towards unparalleled sharpness and depth, near High Definition and natural detail.
- **Double Lines** = provides for a doubling of vertical and horizontal resolution which adds astonishing sharpness and a total absence of visible picture lines. Motion compensation reduces jitter and offers smooth, yet sharp motion reproduction. Advised for NTSC (60 Hz) pictures.

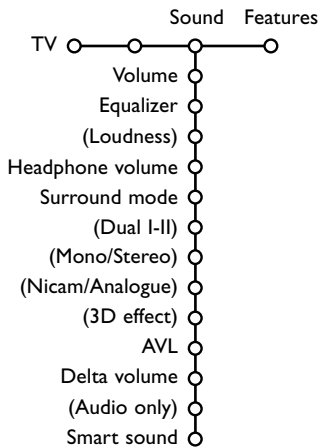
Note:

- Pixel Plus is not active when Teletext (Except when Subtitling is activated), NEXTVIEW or Teletext Dual screen is selected.
- When having selected Pixel Plus, the size of the menus on screen is reduced. This is a normal behaviour.
- Interference, caused by fluorescent lights just above the TV, may occur when having selected Pixel Plus.

The modified adjustments for Contrast, Brightness, Colour, Sharpness, Colour enhancement, Tint, Digital options and Dynamic Contrast are automatically stored. Select Factory settings in the Setup menu, General, to restore the predefined factory settings, see p. 10.



Sound menu



Press the cursor right to select **Sound**.

Select the menu items in the Sound menu with the cursor up/down and adjust the settings with the cursor left/right.

Remember, control settings are at normal mid-range levels when the bar scale is centred.

Note:

- Some menu items are only available in case of a Cinema Link configuration and when the Cinema Link is activated. Others are steered by the audio receiver instead of by the TV. See the separate Cinema Link booklet supplied.
- Dual **I-II** is only available with dual sound transmission.
- Mono/Stereo is only selectable in case of analogue stereo transmission.
- Nicam/Analogue is only selectable in case of Nicam transmission.
- Surround modes can not be modified when a headphone has been connected and the mode is always stereo.

Surround Modes

Dependent on the sound signal broadcasted, select one of the Surround modes.

Stereo



This mode reproduces only the left and right front sound signals. You only hear a stereo sound if the broadcast which you are receiving is transmitted in stereo or nicam stereo.

Dolby 3 Stereo (optimal with Dolby Surround broadcasting)



The sound signal is now distributed over the front left, the front right and the centre TV loudspeakers. The rear loudspeakers do not produce any signal.

3D Surround (optimal with Dolby Surround broadcasting)



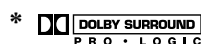
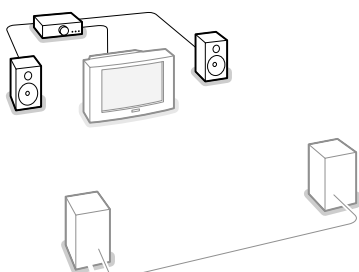
3D Surround enables you to experience the effect of Dolby Surround Pro Logic* without the need of having rear speakers connected or activated.

The graphical representation of the rear

loudspeakers is replaced by the symbol (Ⓓ).

Select the level of **3D effect** with the cursor left/right.

With two extra front loudspeakers connected



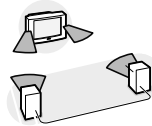
To enhance the sound reproduction of your TV you may connect two extra front loudspeakers via an external amplifier. See Connect Peripheral Equipment, Extra loudspeakers/Amplifier, p. 20.

In the Surround modes **+ ext. amp** is added to indicate that you should switch on your amplifier as in these modes the internal TV speakers produce only centre sound. The subwoofer speaker is muted.

Note: If extra front speakers are connected and selected, all internal TV speakers produce centre sound in the surround modes Pro Logic, Dolby 3 Stereo and 3D Surround.

* 'Dolby' 'Pro Logic' and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories Licensing Corporation.

Hall



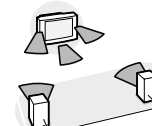
The special sound signal is distributed over the rear loudspeakers which creates a hall effect from the rear.

The centre loudspeaker does not reproduce any signal.

This mode is recommended when you wish

to add surround sound to a broadcast which is not encoded Dolby Surround or to a mono signal.

Pro Logic (with Dolby Surround broadcasting)



In addition to the left and right internal speakers, the centre and the rear surround loudspeakers reproduce the Dolby Surround Pro Logic sounds.

This sound is always present in the movie

or programme marked with Dolby Surround. This mode is especially recommended for such programmes or movies.

Dolby Pro Logic signals are also present on some DVD tracks.

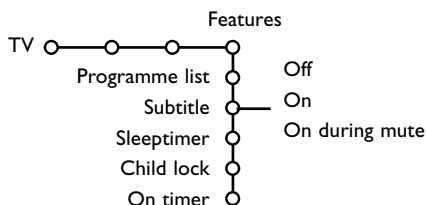
Note: Normal stereo broadcast is not always encoded to produce a rear surround sound.

Note: In case of a Cinema Link configuration connected, the surround modes of the receiver can be selected.

Pro Logic and Hall can only be reproduced if Surround speakers is set to Yes in the Setup, Speakers menu, p. 9, and rear speakers are connected.

Features menu

Press the cursor right to select **Features**.



Select the menu items in the Features menu with the cursor up/down and adjust the settings with the cursor left/right. Use the on-screen Menu-Info **i+** for more information about the menu items.

Programme list

Press the **OK** key to switch over to the selected TV channel or external.

Select subtitles

Switch on teletext and select the proper subtitle page from the index.

Switch off teletext.

Now the subtitle page is stored for the selected TV channel.

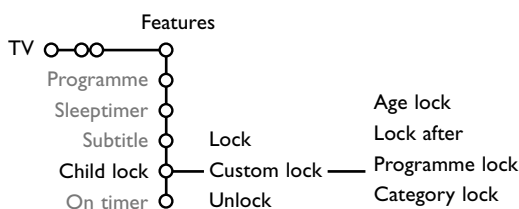
Once subtitles have been stored and **Subtitle On** has been selected they will automatically be displayed on the selected TV channels if subtitles are in the transmission.

A symbol will indicate that the mode is on.

Select **On during mute** when you want to have the subtitles automatically displayed when the sound has been muted with the **Mute** key on the remote control.

Child lock

- 1 Select **Child lock**.



- 2 Press the cursor right to enter the Child lock menu. You're summoned to enter your code. Enter the access code.

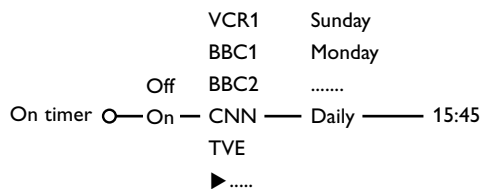
Note: You have to re-enter your code each time you enter the child lock menu.

Important: You have forgotten your code ! See p. 11.

- 3 Select one of the menu items of the child lock menu.
 - Select **Lock** if you want to lock all channels and externals.
 - Select **Custom lock** and press the cursor right. The items Age lock and Category lock are available when NEXTVIEW broadcast is available.
 - Select **Age lock** if you want to lock programmes related to a certain age: off, 2, 4 ... 18.
 - Select **Programme lock** if you want to lock the programmes from a certain TV channel or external.
 - Select **Category lock** if you want to lock programmes related to a certain theme: Movies, Sports, Shows.... See NEXTVIEW, p. 15.
 - Select **Lock after** if you want to lock all programmes from a certain time onwards. Press the cursor right and enter the time with the cursor up/down and right. Press the **OK** key to validate. *Note: The entered time will remain valid for every day, until you have selected Unlock.*
 - Select **Unlock** to unlock all locked channels and externals at once.

On timer

- 1 Select **On timer**.



- 2 Select **On** with the cursor right.
- 3 Press the cursor right again to enter the programme list.
- 4 Select the TV channel or external you want your TV to switch to on a selected time and day.
- 5 Press the cursor right again to select a day of the week or to select **Daily**.
- 6 Press the cursor right once again to enter the time.
- 7 Enter the time with the digit keys or with the cursor up/down.
- 8 Press the **OK** key to activate.
- 9 Press the **MENU** **⏏** key to turn off the menu.

*Note: To check your timer settings, press the **i+** key.*

NEXTVIEW / Teletext guide



NEXTVIEW is an electronic guide that allows you to look up programmes as you would in a newspaper or a TV magazine. You can sort the programmes by subject (films, sport...), obtain detailed information and programme your video recorder if it comes with the NEXTVIEWLink function.

Important note: The NEXTVIEW service is only available on certain programmes and in certain countries. When no NEXTVIEW information is broadcast, the teletext programme guide appears in its place. This is based on teletext programme information (if available) and offers most functions of NEXTVIEW. Note: The broadcaster is responsible for the content of the information. The TV is responsible for the capture of that information and for the presentation to the user.

Display of a NEXTVIEW page

The information is set by the channel that transmits the NEXTVIEW service. For example:

Programme name and broadcast time

This logo is only displayed during a NEXTVIEW transmission. No logo indicates it is a teletext programme guide

NEXTVIEW guides:

- choice of the day
- channel choice
- sort by subject
- programme preview

NEXTVIEW functions:

Use the coloured keys on the remote control to activate them.
The text appears in grey when the function is not available.

Using NEXTVIEW / Teletext guide

Call Teletext/NEXTVIEW guide

Press the key on the remote control to call the Teletext/NEXTVIEW guide. A menu appears with the message **One moment please**. After a while you obtain:

- a NEXTVIEW page, if the selected channel broadcasts this service (the NEXTVIEW logo is displayed. See also Setup menu, General, NEXTVIEW provider, p. 10),
- a teletext page, if the selected channel does not broadcast NEXTVIEW,
- **No information available** is displayed if neither NEXTVIEW nor teletext are transmitted. In this case, select another channel.

Note: Press the key to exit NEXTVIEW/Teletext Guide.

Teletext Guide

function items

- 1 When in Teletext Guide mode, select a TV channel with the cursor up/down and press **OK**.
 - 2 Move the cursor up to the top of the channel list where the name of the selected TV channel reappears.
 - 3 In the Teletext index page, look for the programme guide page of the day or the following day.
 - 4 Enter with the digit keys, the programme guide page number.
 - 5 Press the cursor right to move the puck over the selection ball.
 - 6 Use the cursor up/down to scroll through the different programmes.
 - If the selected programme contains a page number with an optional subcode referring to a page with more info about the programme, press the **OK** key to display the information. Press the **OK** key again to return to the programme guide page.
 - If the selected programme guide page satisfies the VPT requirements,
 - it will be possible to record, remind, watch or lock programmes:
 - the TV will remember the last selected teletext page number of that channel that contains programme guide information and indicates which programme starts at what time.
- Every time you press the key, the teletext programme guide page of the selected TV channel will be available.

NEXTVIEW



If in the Setup menu, General, see p. 10, you have selected a TV channel as NEXTVIEW provider and the selected channel broadcasts this service, the NEXTVIEW menu appears when NEXTVIEW is switched on. In other cases, NEXTVIEW starts up with the **Time Guide**.

- 1 Use the cursor key left/right to select **Time**, **Channel**, **Theme**, the date (or the menu).
The **Time guide** provides an overview of all programme titles active in the selected time block.
The **Channel guide** provides an overview of all programmes that are broadcast by a single channel during one day.
With the **Date guide** you can choose a specific date.
The **Theme guide** displays a list of all programmes at the selected date, that matches with the selected category.



Going through the menu guide, the TV is collecting the sorting criteria to finally display a list of programme events.

- 2 Press the **OK** key to select the guide type.
- 3 Move the puck down and to the right to select the programmes.
If available a summary or commentary on the programme is displayed at the bottom of the screen.
- 4 Use the cursor up/down to scroll through the programmes.
- 5 Press one of the colour keys to select one of the basic functions (if available): **review**, **record**, **remind**, **watch**, **lock**.

Basic functions

Press one of the grey, red, green, yellow or blue keys to activate a Teletext Guide, **NEXTVIEW** function. The keys appear in grey if the function is not available.

Review (not available in Teletext Guide): this menu provides a list of programmes that are marked as reminders, those that have to be recorded and those that are locked. This menu can be used to change a reminder of programmes to be recorded.

Record: to programme the recording of the video recorder (if it has a NEXTVIEWLink function and is connected to **EXTERNAL 2**).

Remind: automatically switch on the TV if it is in standby or stops a programme from being broadcast by displaying a message if the TV is on.


Lock: to lock certain programmes to prevent recording or watching.


For the functions Record, Remind or Lock, a small menu pops up in which you can choose the interval: **once**, **daily** or **weekly**, or clear an earlier made record, remind or lock setting. The default interval is set to **Once**. to confirm the frequency, press the **OK** key.

Note: For certain broadcasts, the Series option is suggested. With this option, the system will independently search for when the next episode in the series is being broadcast.



Watch: to watch the selected and currently broadcast programme. (Not available in Teletext guide).

Select Picture/NEXTVIEW Guide

Press the  key.

Press the  key.

The screen is divided into two parts: the left side for the normal main picture, the right side for NEXTVIEW/Teletext Guide.

Press the  key to return to a full NEXTVIEW/Teletext Guide picture or press the  key to return to a full picture screen.

Note:

- in half screen mode the basic functions of the NEXTVIEW/Teletext Guide are limited to Record, Remind and Watch.

Acquisition and updating of NEXTVIEW information

Acquisition and updating of NEXTVIEW is done when you are watching the TV channel of the selected NEXTVIEW provider; see Setup menu, p. 10, or when the TV is switched to standby;

The indicator on the front of the TV remains orange during standby. After all needed acquisition or updating is complete, it turns red.

Acquisition of fresh data will happen once during the night.


Note: it may be necessary to put the TV in standby mode when all NEXTVIEW information is outdated, e.g. returning from holiday.

Teletext

Most TV channels broadcast information via teletext. This TV has a 1200 pages memory that will store most broadcasted pages and subpages to reduce waiting time. After each programme change, the memory is refreshed. It may take some time for all pages to load.

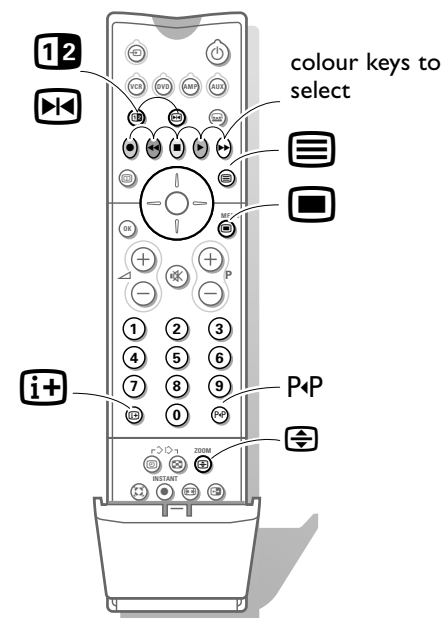
Depending on the TV channel, teletext is transmitted in different systems. The colours used in the bottom line of the teletext page correspond with the colour keys of your remote control.

Switch Teletext on and off

Press  to switch the teletext on or off.

Press again to display a picture/teletext screen.

Press once again to return to a full screen picture.



puck — Menu 100 01 Mon 05 Feb 16.35.22

CEEFAX			
ER WIN 430			
100	News	300	
110	Headlines	305	
120	Weather	400	
150	Sports	415	
200	Radio	500	
230	Travel	550	
240	Subtitling	888	
280	TV Listings	600	
Red	Green	Yellow	Blue

The main index page appears on the screen together with an information line at the top, an option line at the bottom and a puck in the top left corner of the screen.

Select a Teletext page

With the digit keys

Enter the desired page number with the digit keys.

The page counter seeks the page or the page appears immediately when the page number has been stored in the memory.


A message appears when you have entered a non-existent or incorrect page number. Page numbers beginning with 0 or 9 do not exist. Choose another number.


With the option line

Select with the colour keys, corresponding to the coloured options at the bottom of the screen, the desired subject.



Select Picture/Teletext

Select a TV channel which broadcasts teletext.

Press the  key.

Press the  key.

The screen is divided into two parts: the left side for the normal main picture, the right side for teletext broadcast by the selected TV channel.

Press the  key to return to a full teletext picture or press the  key to return to a full screen picture.

Quickly run through the teletext pages


Press the cursor up/down or the - P + key to run through the previous or the following pages.

Select the previously selected teletext page

Press the P+P key.


Note: Only possible when teletext pages are active, not when the Teletext menu is displayed.

Select the index teletext page

Press the grey colour key  to display the main index (usually p.100).

Only for T.O.P teletext broadcasts :

T.O.P orders the pages in categories and adds other possibilities of enhancing ease of use.

Press . A T.O.P overview of the teletext subjects available is displayed.

Not all TV channels broadcast T.O.P teletext. When the teletext system is not T.O.P teletext, a message appears at the bottom of the screen.

Select with the cursor up/down, left/right the desired subject and press the **OK** key.

Select subpages


When a selected teletext page consists of different subpages, one of the subpages appears on the screen.

Press the cursor right to highlight the subpagenumber.


Press the cursor up/down to select the next or previous subpage or enter the subpagenumber with the digit keys.

Special teletext functions

Hold

Press  to stop the automatically rotating of the subpages or to stop the page counter from seeking when you have entered a wrong page number or when the page is not available. Enter another page number.

Enlarge


Press  repeatedly to display the upper part, the lower part and then to return to the normal page size. When the upper part is displayed, you can scroll the text, line by line using the cursor up/down.

Hypertext

With hypertext you can select and search for pages containing any word or number on the current teletext page.

- 1 Make sure you are not in the teletext menu and that the puck is in the upper left corner of the screen.
- 2 Press the cursor key down to highlight the first word or a number on the page.
- 3 Use the cursor up/down, left/right to select the word or number you want to search for.
- 4 Press the **OK** key to confirm.
A message appears at the bottom of the screen to indicate that the searching is going on or that the word or page is not found.

Teletext menu *(only available in full screen teletext mode)*

- 1 Press the  menu key to activate the menu.
- 2 Press the cursor up/down to select the menu items.

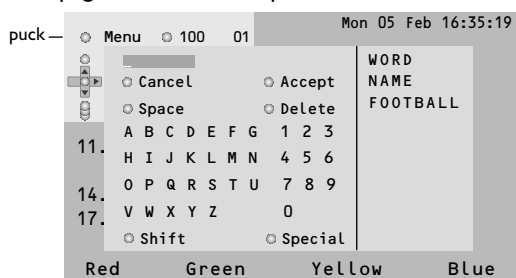
Favourite

This list contains up to eight favourite teletext pages. Only the pages of the current channel can be selected.

- 1 Press the cursor right to add the current page or to select one of the favourite pages to the list.
- 2 Press the **OK** key or the cursor right again to add.
- 3 Press the cursor left to return to the Teletext menu.

Search

On the keyboard on screen you can type in a word you want to search for in the teletext pages. Whether upper- or lowercase is used has no influence. Searching for pagenumbers is not possible.



- 1 Press the cursor left/right, up/down to select the characters, words or functions.
- 2 Press the **OK** key to confirm each character selected.
- 3 Select **Cancel** to cancel the word or character selected. Select **Space** to enter a space; **Delete** to delete the last character selected; **Shift** to switch between undercast or capital characters; **Special** to display special characters on the keyboard.
- 4 Press the cursor left repeatedly to return to the Teletext menu again.

Searching a word

- 1 Type in the word on screen or select a word from the history list on the right and press **OK**.
- 2 Select **Accept** and press **OK** again.
The message **Searching** appears. When the word is found, it is highlighted in the teletext page.
- 3 To continue the search, press the **OK** key twice.
When a word is not found, a message appears.
- 4 To search for a new word, select **Keyboard** and press **OK**.
- 5 Select the new word.

Reveal

Reveals/conceals hidden information on a page, such as solutions to riddles and puzzles. Press the **OK** key to activate.

Press **OK** again to return to the Teletext menu.

Cycle subpages

Makes the subpages cycle automatically. Press the **OK** key to activate and to de-activate again.


Timed page

To display a specific page at a certain time.

- 1 Press the cursor right to select **Yes** or **No**.
- 2 Enter the time and pagenumber with the cursor keys or the digit keys.
Note: Teletext does not have to remain switched on. It is not possible to display a timed page when the TV is switched to standby.

Language

If the displayed characters on screen do not correspond with the characters used by the teletext broadcaster, you can change the language group here. Select **Group 1** or **Group 2** with the cursor keys left/right.

Press the **MENU**  key to leave the Teletext menu.

Select Continuous Subtitles

TV channels with teletext often transmit programmes with subtitling. For each TV channel you can store a subtitle page.

Switch on teletext and select the proper subtitle page from the index.

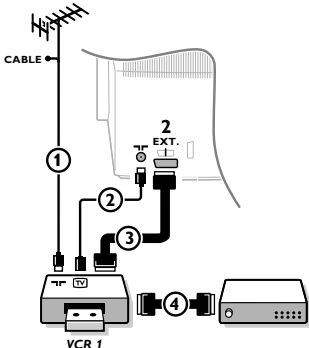
Switch off teletext.

Now the subtitle page is stored for the selected TV channel.

Connect Peripheral Equipment

There is a wide range of audio and video equipment that can be connected to your TV. The following connection diagrams show you how to connect them.

Recorder



Connect the aerial cables ①, ② and, to obtain the optimum picture quality, eurocable ③ as shown.

If your recorder is provided with the EasyLink function, the eurocable supplied with it should be connected to **EXTERNAL 2** to benefit from the EasyLink functionality.

If the eurocable ③ is not used the following steps are required:

Search for and store the test signal of the recorder

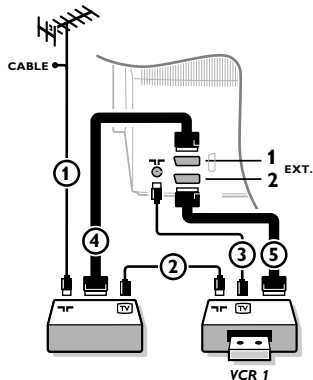
- ① Unplug the aerial cable ① from the aerial socket of your recorder.
- ② Switch on your TV and put the recorder on the test signal. (See the handbook for your recorder.)
- ③ Search for the test signal of your recorder in the same way as you searched for and stored the TV signals. See Installation, Store TV channels, Manual Installation, p. 8.
- ④ Store the test signal under programme number 0 or between 90 and 99.
- ⑤ Replace the aerial cable in the aerial socket after you have stored the test signal.

Decoder and Recorder

Connect a eurocable ④ to your decoder and to the special euroconnector of your recorder. See also the recorder handbook. See Decoder, p.11.

You can also connect your decoder directly to **EXTERNAL 1** or **2** with a eurocable.

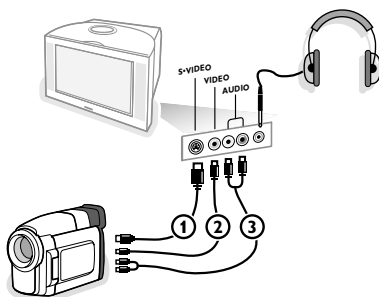
Other equipment (except Digital Sources)



- ① Connect the aerial cables ①, ② and ③ as shown. Better picture quality can be obtained if you also connect eurocable ⑤ to **EXTERNAL 2** and a eurocable ④ to **EXTERNAL 1** or **3**.
- ② Look for the test signal of your peripheral in the same way as you do for a recorder. When a recorder is connected to **EXTERNAL 1** you can only record a programme from your TV. Only when a recorder is connected to **EXTERNAL 2** it is possible to record a programme from your TV as well as from other connected equipment. See Record with your recorder, p. 22.

Note: **EXTERNAL 1** can handle CVBS and RGB, **EXTERNAL 2** CVBS and Y/C, **EXTERNAL 3** CVBS and RGB. It is preferred to connect peripherals with RGB output to **EXTERNAL 1** or **3** as RGB provides a better picture quality.

Side connections




Camera or Camcorder

- ① Connect your camera or camcorder to sockets at the right side of your TV.
- ② Connect the equipment to **VIDEO** ② and **AUDIO L** ③ for mono equipment.
- ③ For stereo equipment also connect **AUDIO R** ③.

S-VHS quality with an S-VHS camcorder is obtained by connecting the S-VHS cables with the **S-VIDEO** input ① and **AUDIO** inputs ③.

Do not connect cable ① and ② at the same time. This may cause picture distortion !

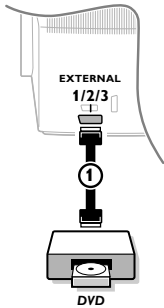
Headphone

- ① Insert the plug into the headphone socket at the right side of the TV.
- ② Press  on the remote control to switch off the internal loudspeakers of the TV. The headphone impedance must be between 8 and 4000 Ohm. The headphone socket has a 3.5 mm jack.

In the **SOUND** menu select **Headphone volume** to adjust the headphone volume.

Note: The surround mode is always stereo when the headphone is connected.

Digital equipment



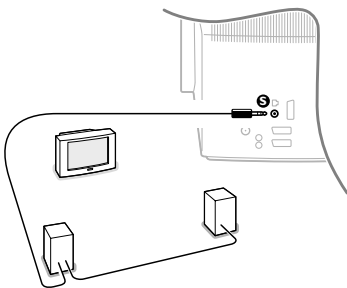
Connect your digital equipment with a eurocable ① to one of the euroconnectors (**EXT1**, **EXT2** or **EXT3**), or with a cinch cable to the **VIDEO** input at the right side of the TV.

*Note: the low quality of some digital picture material may be the cause of digital image distortion. According to the connected digital equipment, select **DVD**, **SAT**, **Game** or **Digital STB** in the Setup/Source menu. See p. 11.*

*(In case the digital transmission is still poor, also select the **Multimedia** setting using the Smart Picture key, without changing the picture setting manually.*

Connect extra loudspeakers/amplifier

REAR multimedia loudspeakers

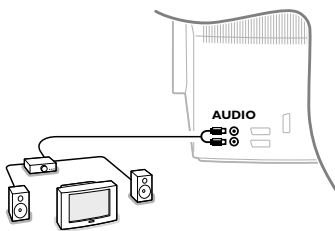


You can enjoy Dolby Pro Logic Surround sound by connecting two rear loudspeakers to be connected to the Dolby Surround output **S** at the back of your TV.

- 1 Connect two rear loudspeakers with built in amplifiers or an audio amplifier with rear loudspeakers.
Connect the audio cables to the rear loudspeakers and to the Dolby surround output **S** at the back of your TV as shown above. There is only one output for both speakers.
*Note: Switch off the TV and the rear loudspeakers before connecting them.
The surround output S has a 3.5 mm stereo jack.*
- 2 Select **Surround speakers Yes** in the Setup menu. See p. 9.
See Surround sound modes in the Sound menu, p. 13 for the available Surround modes. Rear Surround Sound loudspeakers should always be located behind or to either side of the listener at about 1 m above the listener.
- 3 Adjust the volume of the rear loudspeakers when audio distortion occurs.
Use the Test tone function in the Speakers menu, see p. 9, to have a reference of the loudness of the separate loudspeakers.

Note: Once you have adjusted the volume of the rear loudspeakers, do not change it while watching TV as the whole configuration operates with the volume adjustment of your TV.

Stereo amplifier and two extra FRONT speakers



To enhance the sound reproduction of your TV you can connect two extra front loudspeakers via an external amplifier.

- 1 Connect the audio cables to the audio input of your amplifier and to **AUDIO L** and **R** at the back of your TV.
The output level is controlled by the volume control of your TV.
Note: Switch off the TV and your audio amplifier before connecting them. Set the audio amplifier's volume to minimum.
- 2 Select **Centre mode On** in the Setup, Speakers menu. See p. 9. See Surround mode in the Sound menu, p. 13 for the available Surround modes.
- 3 Adjust the volume of the audio amplifier.
Use the Test tone function in the Setup, Speakers menu, see p. 9 to have a reference of the loudness of the separate loudspeakers.

Note: Once you have adjusted the volume of the amplifier, do not change it while watching TV as the whole configuration operates with the volume adjustment of your TV.

If extra front speakers are connected and selected, all internal TV speakers produce centre sound in the surround modes Dolby Pro Logic and Dolby 3 Stereo.

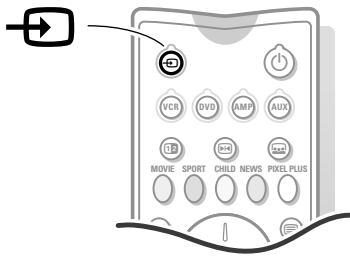
Cinema Link Surround receiver

- 1 Connect the Dolby Pro Logic Surround amplifier to the **AUDIO L** and **R** at the back of your TV.
- 2 If you want the loudspeakers of your TV to act as centre speaker, also connect a cinch to scart cable (not supplied) to the multichannel Surround receiver and to **EXT1** or **EXT3** at the back of your TV.
- 3 Select **Centre mode On** in the Setup, Speakers menu, p. 9. The loudspeakers of the TV will now produce centre sound, the loudspeakers connected to the audio receiver will produce Surround sound.

- 4 Switch off the volume of the TV with the mute key . All volume settings, tone control and speaker connections have to be done via the external Dolby Pro Logic amplifier. Attention: the sound info on screen will not correspond with the actual sound reproduction. No sound will be heard when a TV channel or external source is blocked via the Child lock menu, see p. 14.

If you want to connect more equipment to your TV, consult your dealer.

To select connected equipment



Equipment connected with an aerial cable only :

Select the programme number under which you have stored the test signal with the digit keys.

Equipment connected to a euroconnector or to the right side of the TV

- 1 Press the key repeatedly to select **EXT1, EXT2, EXT3** or **SIDE** according to where you connected your equipment at the back or the right side of your TV.

Remark : Most equipment (decoder, recorder) carries out the switching itself.

- 2 Press the cursor up/down and press **OK**.

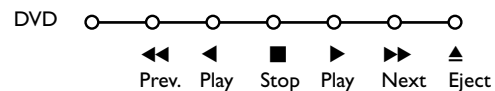
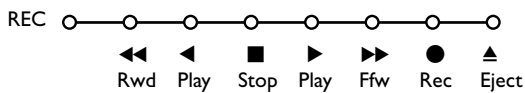
If you want to change to TV channels?

Enter the programme number of the TV channel you want to watch with the digit keys.

Recorder or DVD with EasyLink

The recorder or DVD can be operated via the **Recorder** or **DVD** menu on screen.

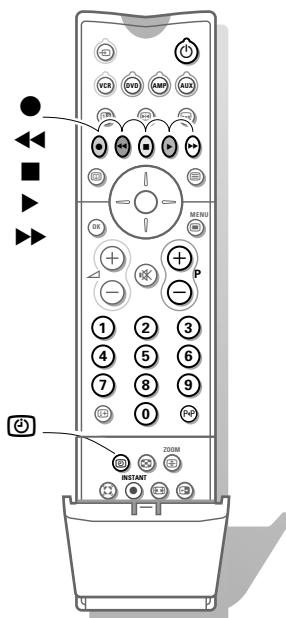
- 1 Press the **MENU** key on the remote control.
- 2 Select the recorder or DVD menu with the cursor up/down.



- 3 Press the cursor left/right, up/down to select one of the recorder or DVD functions.

The key **INSTANT** for recording, under the door of the remote control, can be operated in the TV mode.
If your EasyLink recorder has the system standby function, when you press the key for 3 seconds, both TV and the recorder are switched to standby.

Audio- and video equipment keys



- to switch to standby (**VCR**)
- for pause (**DVD, CD**)
- for record,
- for rewind (**VCR, CD**); search down (**DVD, AMP**)
- for stop,
- for play,
- for fast forward (**VCR, CD**); search up (**DVD/AMP**)
- to select your choice of subtitle language (**DVD**); RDS news/TA (**AMP**); to shuffle play (**CD**)
- to select a **DVD** title; RDS display (**AMP**); info on screen (**CD**)

- display information
- to switch the menu on or off
- P +** for chapter, channel, track selection
- 0 to 9** digit entry,
- P/P** tape index (**VCR**), select a DVD chapter, select a frequency (**AMP**)
- VCR timer
- surround on/off (**AMP, CD**)
- cursor up/down to select the next or the previous disc (**CD**)
- cursor left/right to select the previous or following track (**CD**)

Most of the audio and video equipment from our range of products can be operated with the remote control of your TV.

Press one of the keys after you pressed the **VCR, DVD, AMP** or **AUX** key according to the equipment you want to operate with this remote control. See Use of the remote control, p. 3.

Note: If no action has been taken within 30 seconds, the remote control goes back to the TV mode.

AUX keys

The **AUX** mode can be customised according to the equipment you want to operate: a CD player, a satellite receiver with RC5 signalling standard or a satellite receiver with RC6 or RC5 signalling standard.

Press the **OK** key together with the digit key 1 to select the CD system, with the digit key 2 to select the **SAT RC-5** system, with the digit key 3 to select the **SAT RC-6** system.

Record with your recorder without EasyLink

To record S-VHS quality, connect an S-VHS peripheral directly to the recorder.

Record a TV programme

- 1 Select the programme number on your recorder.
- 2 Set your recorder to record. See the handbook of your recorder.

Switching programme numbers on your TV does not disturb recording !

Record a programme on your recorder connected to EXTERNAL 2 from Audio/Video equipment connected to EXTERNAL 1, EXTERNAL 3 or to sockets on the right side of the TV

- 1 Switch on the equipment.
- 2 Select the correct external on your recorder.
- 3 Set your recorder to record. You record what you are watching on the screen.

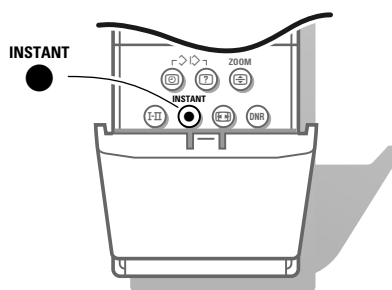
Do not switch programme numbers or do not switch off your TV when you are recording !

Record with your recorder with EasyLink

If you have connected an S-VHS recorder provided with the EasyLink function, you can record S-VHS quality from an S-VHS peripheral connected to the right side of the TV. (E.g. from an S-VHS camcorder.)

In TV mode, it is possible to start a direct recording of the programme which is being displayed on the TV screen.

*Press the **INSTANT** ● record key, under the door of the remote control.*



The recorder switches on from standby and a message of what is being recorded appears on the screen.

The recorder starts recording the programme you are watching.

Switching programme numbers on your TV does not disturb recording !

When recording a programme from a peripheral connected to EXTERNAL 1, 3 or SIDE, you can not select another TV programme on the screen.

To watch TV programmes again, press the programme number you want to select twice.

Attention: the recording is stopped and your recorder switches to standby.

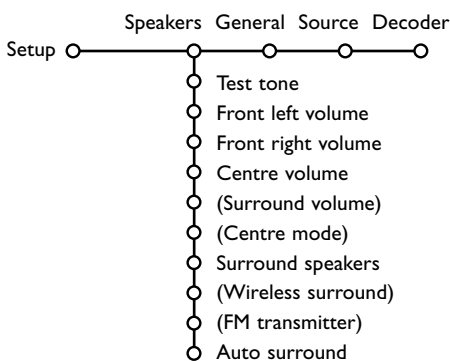
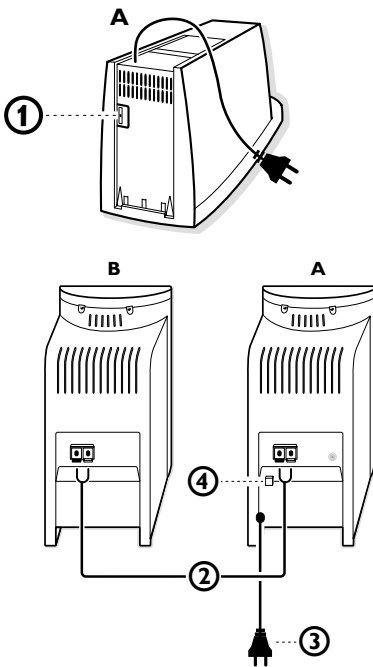
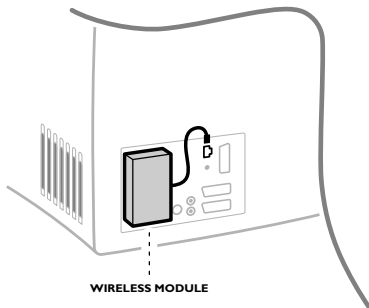
If you switch to standby during recording of a programme from a peripheral connected to EXTERNAL 1, 3 or SIDE, the blinking lamp on the front of your TV indicates that you are still recording. The blinking stops after the recording is finished.

Record with your recorder with NEXTVIEWLink



If your recorder is equipped with NEXTVIEWLink, and you tagged one or more programmes to be recorded automatically in the NEXTVIEW mode, it is not necessary for the TV to be in the standby mode or switched on for the recording to start.

Appendix: Optional Wireless Surround speaker system - Kit type no:AD902W



Wireless transmitter module

- Switch the TV off with the power switch.
- Attach the wireless module to the back of the TV as shown.
- Connect the attached cable to the wireless module connector.
- Switch the TV on.

Surround loudspeakers

There are two surround loudspeakers supplied. One is the active loudspeaker A. The other loudspeaker B is a passive one which has to be connected with the active loudspeaker.

- The slide channel switch ① at the bottom of the active loudspeaker has been set default to channel 1 in the factory.
- Connect the active to the passive loudspeaker with the supplied speaker cable ②. Insert the marked wire into the openings of the same coloured connector clips on both speakers. Do not insert the wires too far.
- The Surround sound loudspeakers can be located behind or to either side of the listener. The front of the loudspeakers do not have to face the listener. The distance between the TV and the surround speakers should not exceed 15 m.
Note: In rare occasions people moving around close to the TV may interfere with the sound transmission.
- Connect the active loudspeaker to the mains with the mains cable ③.
- Switch on the active loudspeaker with the **POWER** switch ④. The red indicator at the front of the active surround speaker shows that the speaker is in standby. During sound transmission the indicator turns to green. 10-15 min. after the sound transmission of the TV has stopped, the indicator turns back to red to indicate the low power standby. To switch the active speaker off, use the **POWER** switch.

Setup - Speakers menu

- Press the **MENU** key on the remote control.
- Use the cursor down to select **Setup**.
- Use the cursor right to select **Speakers**.
- Use the cursor down to select **Wireless surround**.

The system has already been configured in the factory to work properly. In rare circumstances, interference from external RF (wireless) equipments such as RF headphones, mobile phones or remote controls for lights, may occur. Then it may be necessary to shift to another wireless channel.

Important: Always be sure that the active surround speaker (A) and the Wireless surround setting are switched to the same transmitting channel. Otherwise no sound or only a distorted sound will be heard on the surround speakers.

- Select **FM transmitter** and select the correct type of transmitter, 864 MHz or 433 MHz, valid for the country where you are now located.
When the TV is tuned to a channel in the neighbourhood of 864 MHz (alternatively 433 MHz), the transmitter is switched off because no RF surround sound is possible. This is necessary to avoid interfered picture.

In rare cases, when no RF surround sound is possible or when there is too much interference, use the wired back up solution with a 3.5 mm stereo jack. In this case select **Off** in the Wireless surround menu item. See Connect Peripheral Equipment, p. 20.

Tips

Care of the screen

Clean the TV with a slightly damp soft cloth. Do not use abrasive solvent as it can damage the TV screen.

Mobile telephone warning !

To avoid disturbances in picture and sound, malfunctioning of your TV or even damage to the TV, keep away your mobile telephone from the TV.

Poor Picture

- Have you selected the correct TV system?
- Is your TV or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc.?
- Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial.
- Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. See Installation, p. 8.
- Are brightness, sharpness and contrast out of adjustment? Select Factory settings in the Setup menu, p. 10.
- Sometimes poor picture quality is possible when having activated an S-VHS camera or camcorder connected to the right side of your TV and another peripheral is connected to **EXT1**, **EXT2** or **EXT3** at the same time. In this case switch off one of the other peripherals.

No picture

- Is the aerial connected properly?
- Are the plugs tightly connected in the aerial socket?
- Is the aerial cable in good condition and does it have suitable plugs?
- Are the connection facilities to a possible second TV in good condition? If in doubt, consult your dealer.

No sound

- No sound on any channel? Check the volume isn't at minimum.
- Is the sound interrupted with the mute key **M**? Check if your speaker configuration corresponds with the selections made in the Setup menu, Speakers, p. 9. E.g. is your amplifier switched on when you have 2 extra front speakers connected?
- No sound from the rear speakers or the centre speakers? Select an appropriate surround mode, according to the broadcasted sound signal or adjust the volume or check if the wireless transmitter is properly connected. See Surround Modes, p. 13.

No Surround sound

- Check if the headphone is not plugged in.
- Check if the channel is broadcasting good quality surround sound.

Remote control

- If your TV no longer responds to the remote control, the batteries may be dead or the wrong mode (TV or other peripheral, see p. 3) is selected.
- You can still use the **M** key and the **-/+** keys at the top of your TV.

Menu

Have you selected the wrong menu? Press the **MENU** key again to exit from the menu.

NEXTVIEW - No information

See Acquisition and updating of NEXTVIEW information, p. 16.

NEXTVIEW - Displayed time is wrong

The broadcaster on programme number one does not transmit the correct local date and time. Use **Reshuffle** in the **INSTALLATION** menu to place another broadcaster on programme number one.

Wireless Surround speaker system

- Are the active surround speaker and the Surround Sound setting in the Setup menu switched to the same transmitting channel?
- External RF equipment, mobile telephones or people moving around close to the TV may disturb the sound transmission.
- When no RF surround sound is possible, or when there is too much interference, try to switch to another wireless channel or use the wired back up solution. See Connect extra loudspeakers/amplifier, p. 20.
- When you switch to another wireless channel, take care to select the same transmitting channel as well in the setup menu as on the speaker box.
- For wireless transmitter modules with a built in antenna: direct the antenna to achieve the best reception.

No solution

Switch your TV off and then on again once.

Never attempt to repair a defective TV yourself.

Check with your dealer or call a TV technician.

End of life directives

Philips is paying a lot of attention to producing environmentally-friendly in green focal areas. Your new TV contains materials which can be recycled and reused. At the end of its life specialised companies can dismantle the discarded TV to concentrate the reusable materials and to minimise the amount of materials to be disposed of.

Please ensure you dispose of your old TV according to local regulations.

How to dispose of dead batteries?

The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many countries dead batteries may not be disposed of with your household waste. Please ensure you dispose of dead batteries according to local regulations.

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Glossary

100 Hz Digital Scan

If you look at a television screen you will see small imperfections in the picture caused by line vibration. Digital Scan (an internal process) removes interline flicker. When combined with 100 Hz, you will see a totally stable image.

Automatic Channel Installation (ACI)

Automatically installs all TV channels in the same order as offered by your cable company, provided of course that the data is transmitted. It also automatically includes programme number and programme name. With ACI, channel installation is fully automatic, simple and fast.

Child Lock

Feature to prevent unauthorised use of your TV.

Digital Natural Motion

100 Hz Digital Natural Motion eliminates the juddering effect that is noticeable when there are moving objects in the picture. This results in razor sharp pictures and ensures smooth movements.

DNR

Digital Noise Reduction.
By encoding signals digitally in 100 Hz sets, it is possible to clean up picture noise. This is especially beneficial in poor signal areas and when viewing poor quality video tapes.

Dolby Surround Pro Logic

Literally wraps you in 4-channel sound. It brings your favourite movies to life with all the realism and impact of cinema sound as though you are part of the action.

Easy Link

Digital 'intelligent' ESI bus-system between TV and VCR (Scart connection required). Turns source selection and control into a one-button operation.

Easy Text

Teletext memory that automatically memorises Teletext pages and gives you instant access to them.

Euroconnector

A 21-pin connector system enabling you to simply connect various types of audio/video and computer equipment.

Menu

On-screen display of functions and facilities in a well-organised survey, which you can select using your remote control.

NEXTVIEW

NEXTVIEW is a new feature to assist the TV and VCR user in selecting the programmes she or he likes to watch from a television programme guide on the screen. It enables the user to see a description of every programme, and mark interesting programmes to be reminded (auto TV on) or recorded (NEXTVIEWLink recorder required).

NTSC

The broadcasting system used in the USA, Japan and parts of South America and Southeast-Asia.

Smart Picture and Sound Controls

Keys on the remote control to select predefined picture and sound settings. The eco picture mode is intended to lower power consumption of the TV and to improve picture quality of low quality digital sources.

Sleeptimer

Function with which you can set a time period after which the TV should switch itself to standby.

Picture Freeze

TV mode which allows you to "freeze" a certain image in order to study a specific detail at ease, e.g. to make notes of certain programme information like phone numbers.

Teletext

See also Easy Text
WST: World Standard Teletext.
FLOF: Full Level one Features. System applied by the BBC, RVE... that provides a fast access to the teletext pages.
TOP: Table of (Teletext) Pages. German system for an easy access to the teletext pages.

Tint

TV-function to modify the general colour balance between cool and warm and to adjust it according to your personal preference.

VPT

VPT (Video Programming by Teletext) is a way to set the VCR timer with the help of Teletext. There are two requirements: the first is that the recorder must have the VPT feature, and the second is that the channel, which broadcasts the programme you want to record, must have teletext.

