

tv



**PHILIPS**

# Laser Safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

**USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.**

**CLASS 1  
LASER PRODUCT**

LASER	
Type	Semiconductor laser InGaAlP
Wave length	650 nm (DVD)
	790 nm (VCD/CD)
Output Power	7 mW (DVD)
	5 mW (VCD/CD)
Beam divergence	DVD: Parallel: 8 degree
	Perpendicular: 28 degree
	CD: Parallel: 11 degree
	Perpendicular: 35 degree

## Information for users in the UK

*(Not applicable outside the UK)*

### Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 5 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures. The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

### General Points

Please take note of the section 'Tips' at the end of this booklet.

### Interference

The Department of Trade and Industry operates a Radio Interference Investigation Service to help TV license holders improve reception of BBC and IBA programmes where they are being spoilt by interference.

If your dealer cannot help, ask at a main Post Office for the booklet "How to improve Television and Radio Reception".

### Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

## Important

This apparatus is fitted with an approved moulded 13 Amp plug.

To change a fuse in this type of plug proceed as follows :

1. Remove fuse cover and fuse.
2. Fit new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be removed.

### Connecting the aerial

The aerial should be connected to the socket marked x at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift or set-top aerials are unlikely to give adequate results.

Your dealer will know from experience the most suitable type for your locality.

Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera, it is recommended that you consult your dealer on the best method of connection.

### Stand *(if provided)*

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed with the stand. Never use a make-shift stand, or legs fixed with wood screws.

# Contents

## 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: 32PW9788

Product No: .....

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### 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.

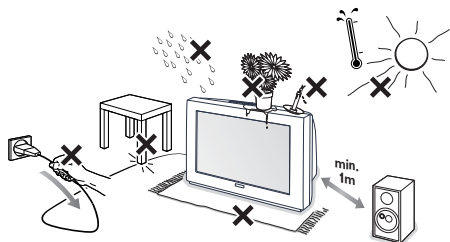
Please ensure you dispose of your old TV according to local regulations.

*easy* LINK


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.

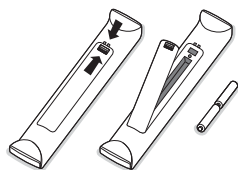
## Preparation

- 1 Place the TV on a solid surface.  
! 32PW9788: 60 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:** Insert the 2 batteries supplied (Type R6-1,5V).



The batteries supplied do not contain the heavy metals mercury and cadmium. Please check on how to dispose of exhausted batteries according to local regulations.

- 4 Insert the mains plug of the TV in the wall socket having a mains voltage of 220V-240V.
- 5 **Switch the TV on :** Press the power switch ① on the front of your TV.  
A blue indicator on the front of the TV lights up, the screen comes on and the LCD display smoothly and automatically pops up. If the indicator is red, press the **-P+** keys on the remote control.

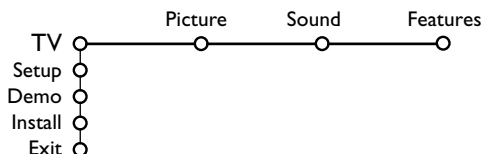
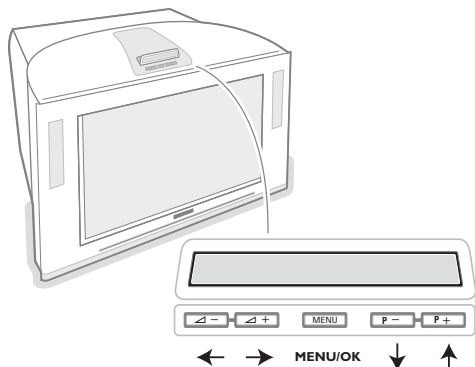
- 6 **LCD display:** When popped up, the LCD display will show the mode the TV is in (**TV**, **DVD** or **Radio**) together with information about the selected mode.  
When the TV is switched off to standby the display will go down again. When the TV is switched off with the power switch the display will remain in the position it was. If needed, you can manually push the display down.

*Note:*

- to switch off the automatic display movement, see *Setup, General menu, Auto LCD movement, p. 10.*
- you can change the position of the display, up or down, with the LCD key on the remote control. See *use of the remote control, p. 4.*


More details about the content of the display, see p. 6.

## 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;
- the **-P+** keys to select the TV channels or sources.

The **MENU** key can be used to summon the main menu without the remote control.

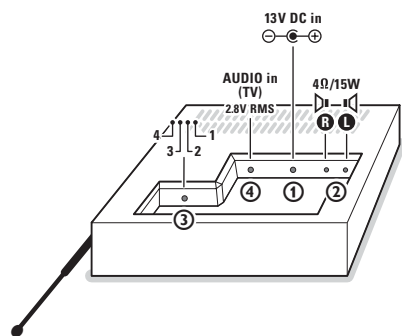
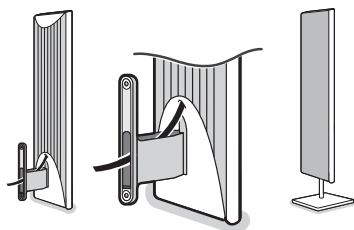
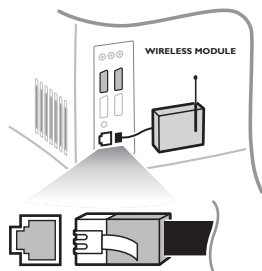
Use:

- the  - and + keys and the **P-** and **P+** keys to select menu items in the directions as shown;
- the **MENU** key to confirm your selection.

*Note:*

When activated via the **MENU** key on top of the TV, only **Exit** lets you dismiss the menu.  
Navigate to **Exit** and press the **MENU** key.

## Wireless Surround speaker system



### 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 NXT SurfaceSound®\* surround loudspeakers which have to be connected to the wireless receiver box (2) **R** and **L**.  
If one of the connection cables is too short the 4 m extension cable supplied can be used. Table stands as well as wall supports are supplied.
- 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.

### Wireless receiver box

Connect the **13V DC** adaptor supplied to the **13V DC IN** (1) input at the bottom of the receiver box. Connect the adaptor to the mains.

The slide channel switch (3) has been set default to channel 1 in the factory.

The indicator on the receiver box shows that the speakers are 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.

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.

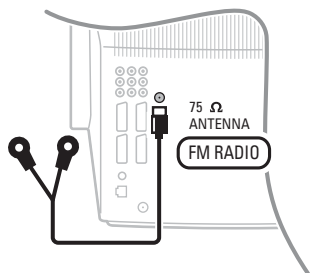
**Important:** Always be sure that the Wireless receiver box and the Wireless Surround settings (see p. 9) are switched to the same transmitting channel.

In rare cases, when no RF surround sound is possible, or when there is too much interference, use the wired back up solution. See Wired rear loudspeakers, p. 28.

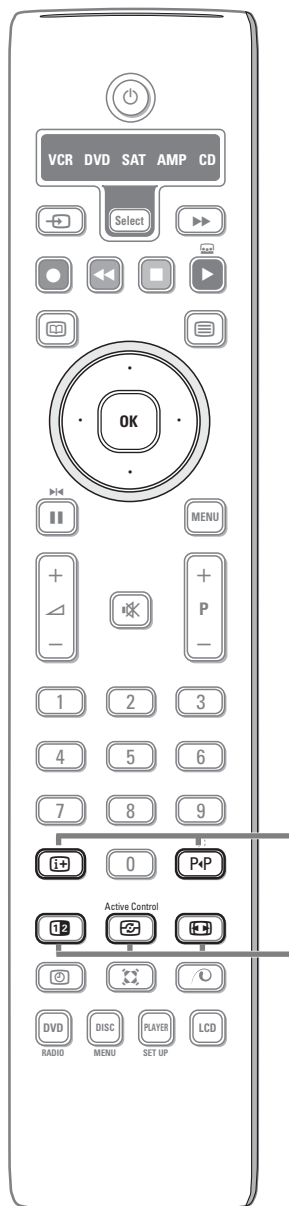
### FM Wire Antenna connection

Connect the supplied FM wire antenna to the **FM RADIO ANTENNA 75 Ω** connector at the back of the TV. Adjust the position of the FM antenna for the best reception.

*Note: for better FM stereo reception, connect an outdoor FM antenna or cable antenna to the **FM RADIO ANTENNA 75 Ω** connector using a 75 Ω coaxial wire.*







### On Screen information

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

RDS radio function, see p. 21

### Menu/Remote control info

When a menu is on screen, press to display info on the selected menu item. For information on the remote control functions, while the menu info is displayed, press any key on the remote control. The normal function of the key is not executed.

### P+P Smart surf / NEXTVIEW themes

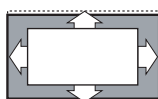
With this key you can easily switch between 2 up to 9 different TV channels or sources or quickly select TV programmes if NEXTVIEW with defined themes is broadcast. See General, Smart surf, p. 10. Press the **OK** key or wait for the time out to dismiss the Smart surf display.

### Dual screen / PIP / Multipip see p. 10 and p. 16.

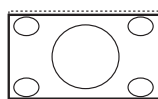
### Active control see p. 13

### Picture format

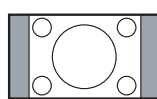
Press this key repeatedly or press the cursor up/down to select another picture format: Auto format, Super zoom, 4:3, Movie Expand 14:9, Movie Expand 16:9, Subtitle zoom or Wide screen.



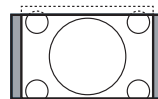
Auto format



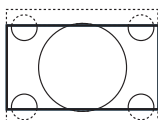
Super zoom



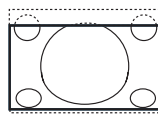
4:3



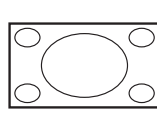
Movie Expand 14:9



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. If subtitles are only partly visible, press cursor up. In case of a broadcaster logo in the corner of the top black bar, the logo disappears from the screen.

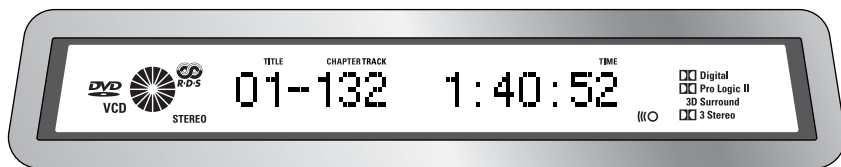
Super zoom removes the black bars on the sides of 4:3 programs with minimal distortion.

When in Movie Expand 14:9, 16:9, Super zoom or Subtitle zoom picture format, you can make subtitles visible with the cursor up/down.

### P+P RDS Radio function, see p. 21

DVD mode function, see p. 23

## Contents of the LCD display



(||O starts blinking when the TV is receiving a command from the remote control. Dependent on the selected mode, the following information may be displayed:

### In TV mode:

- channel number or name or the selected external
- a volume bar
- feed back messages
- the surround signal the TV is processing

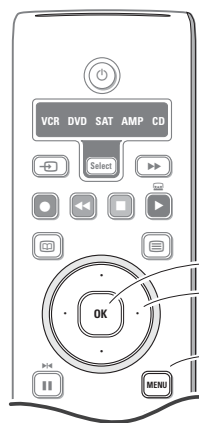
### In DVD mode:

- the type of disc that is in the slot (DVD,VCD, CD...)
- the track, title, chapter and time indication
- the surround signal the TV is processing

### In Radio mode:

- the name of the selected station, the type of programme, the frequency
- a volume bar
- the RDS icon when playing a radio station with RDS signal
- the sound signal (stereo)
- the surround signal the TV is processing

## To use the menus

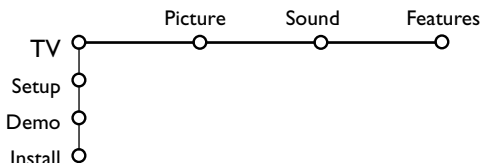


- OK key to activate
- cursor to select adjustments
- return or switch main menu on/off

Press the **[i+]** key to get information about the selected menu item.

- 1 Press the **MENU** key on the remote control to summon the main menu. At any moment you can exit the menu by pressing the **MENU** key again.

*Note: If you have connected equipment with Cinema Link, more menu items are present.*



- 2 Use the cursor in the up/down direction to select the **TV**, **Setup**, **Demo** or **Install** menu. Use the cursor left/right to select **Picture**, **Sound** or **Features**.

*Note: Sometimes not all the menu items are visible on the screen (indicated by a cluster of blue balls). Use the cursor down or right to reveal all items.*

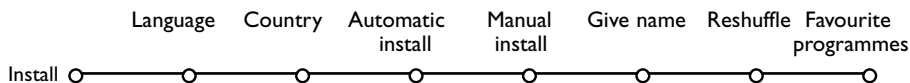
- 3 Use the cursor in the left/right direction to select the menu item.
- 4 Use the cursor up/down again to select the control you want to select or to adjust.

*Note: Items temporary not available or not relevant are displayed in a light grey colour and cannot be selected.*



## Installation

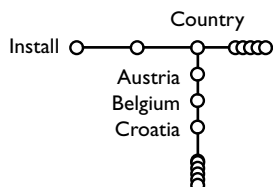
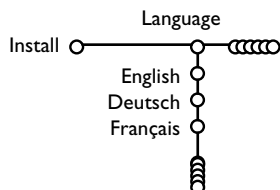
The installation menu contains the following items:



### EasyLink

If your video recorder has an EasyLink function, during installation, the language, country and available channels are automatically transmitted to the video recorder.

## Select the menu language and country

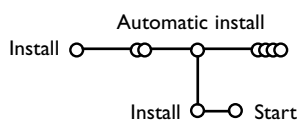


- 1 Press the **MENU** key on the remote control.
- 2 Use the cursor down to select **Install**.
- 3 Use the cursor right to select **Language**. Follow the instructions on screen.
- 4 Use the cursor up/down to select your preferred language and press the **OK** key to confirm your selection.
- 5 Use the cursor right to select **Country**.
- 6 Select the country where you are now located and press the **OK** key. Select **Other** when none of the countries applies.
- 7 Proceed with the Install menu.

## Store TV channels

After language and country are set correctly, 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.

### Automatic installation

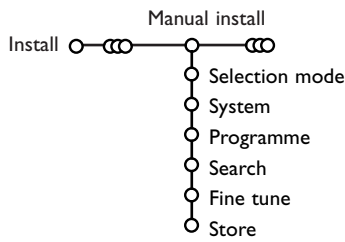


- 1 Select **Automatic install** in the Install menu.  
*Note: All channels must be unlocked in order to autoprogram. If requested, enter your code to unlock all channels. (See TV, Features menu, Childlock, p. 15.)*
- 2 Press the cursor down.  
The autoprogramming option label **Start** appears.
- 3 Press the cursor right.
- 4 The message **Searching** appears and the progress of autoprogramming is displayed.

If a cable system or a TV channel which broadcasts ACI (Automatic Channel Installation) is detected, a 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



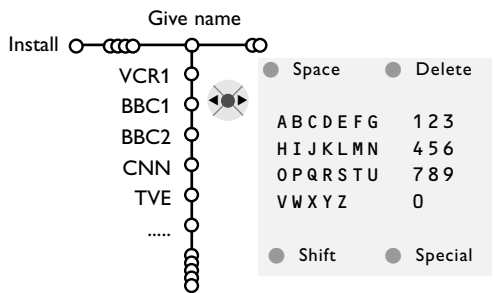
Searching for and storing TV channels is done channel by channel. You must go through every step of the Manual Installation menu.

- 1 Select **Manual install** 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 or 2 digits of the frequency or the channel number 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.

- 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 quickly.*
- 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 lowercase 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.
- 5 Select another programme number and repeat steps 3 to 4.

## Reshuffle the programme list

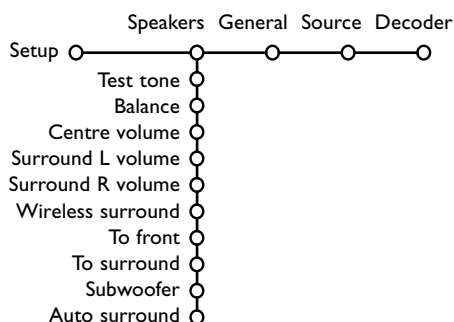
You can change the order of the stored TV channels.

- 1 Select **Reshuffle** in the Installation menu.
- 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.

## 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.

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

### Speakers

Your TV is equipped with integrated front left, right and centre loudspeakers, capable of reproducing Stereo and Dolby 3 stereo modes.

For Hall, full Dolby Pro Logic II and Dolby Digital surround sound you should use the two amplified rear surround speakers.

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

#### Test tone controls

The menu item **Test tone** enables you to balance the volume levels of the speakers.

- 1 Select **Test tone** and press the cursor right.
- 2 Once turned on, the Test Tone will circulate through the left, centre, right speakers and both rear surround speakers (if present).
- 3 Press the cursor up/down to select the desired speaker for individual volume level adjustment.
- 4 Press the cursor left/right to adjust the volume level.

#### Wireless Surround

The system has already been configured in the factory to work properly.

In rare circumstances, interference from external RF (wireless) equipment such as RF headphones, mobile phones or remote controls for lights, may occur.

Then it may be necessary to shift to another wireless channel.

Use the cursor left/right, up/down to select another channel.

**Important:** Always be sure that the wireless receiver box 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.

*To avoid interfered picture the wireless transmitter might be automatically switched off.*

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, Wired rear loudspeakers, p. 28.

#### To front / To surround

Select **To front** or **To surround** and then select the distance between the TV or the rear surround speakers and the place you sit to watch TV.

#### Subwoofer

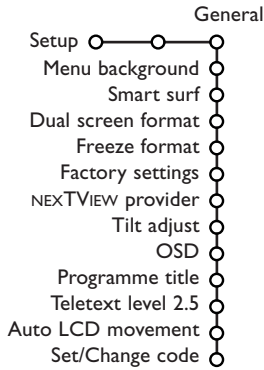
Select if you want to use the internal subwoofer or if you installed an external one. See Connect Peripheral Equipment, Connect extra subwoofer, p. 28.

#### 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



This menu allows you to change various settings that are presumably adjusted less frequently than most other settings.

Press the **[i+]** key on the remote control to get information about the selected menu item.

### Smart surf

- 1 Select **Smart surf**.
- 2 With the cursor left/right, select
  - **2 programmes** if you want the P4P key to toggle between the current and the previously selected channel,
  - **9 programmes** if you want the P4P key to summon a list of up to 9 channels which can be selected,
  - **Themes** if you want the P4P key to quickly select TV programmes if NEXTVIEW with defined themes is broadcast.

#### To add/remove a channel or source:

Tune to the channel or source you wish to add or remove. Press the P4P key and press the cursor right to add or remove.

*Note: If there are already 9 channels/sources in the list, the one at the bottom of the list will be removed.*

### Freeze format

Freeze format allows you to select among three options: **Freeze**, **Replay** or **Photo** finish, to be activated when you press the **⏮** key on the remote control. See p. 4.

*Note: Continuing to hold the **⏮** key down will also cycle the TV through the various formats. Changing the format this way does not store the selected format.*

### Factory settings

This resets the picture and sound settings to their predefined factory values, but maintains the channel installation settings.

### Dual screen format

This menu allows you to select the preferred format which can then be displayed toggling the **[12]** key on and off.

For Dual screen/PIP/ Multipip and restrictions when in DVD mode, see p. 16.

- 1 Select **Dual screen format** with the cursor down.
- 2 Press the cursor right.
- 3 Select **Dual screen**, **PIP**, **PIP 3** or **PIP 12** with the cursor down.

When Dual screen mode is activated with the remote control **[12]** key, and when

  - **Dual screen** is selected, the TV splits the screen into two equally sized screens.
  - **PIP** is selected, the TV shows a full screen of video with a pip window of video on top if it;
  - **PIP3** or **PIP12** is selected, the TV will display the main screen together with 3 or 12 pip screens.

### NEXTVIEW provider

Select a TV broadcaster that provides NEXTVIEW data. How to make use of NEXTVIEW, see p. 17.

### OSD (On Screen Display)

See Use of the remote control, p. 5, **[i+]** On screen information.

- 1 Select **OSD**.
- 2 Select **Normal** to activate the continuous display of the programme number. Also TV channel and programme information are extended. **Minimum** will display reduced channel information.

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

### 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 level 2.5.

*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. 15) allows you to lock channels to prevent others from watching certain programmes. To watch locked channels, a 4-digit code must be entered. The Set/Change code menu item allows you to create or change a Personal Identification Number (PIN).

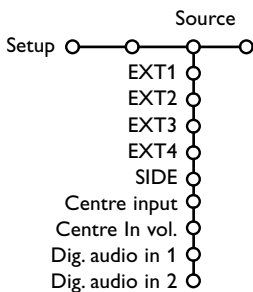
- 1 Select **Set/Change code**.
- 2 If no code exists yet, the menu item is set to Set code. If a code has previously been entered, the menu item is set to **Change code**. Follow the instructions on screen.

### Important: You have forgotten your code !

- 1 Select **Change code** in the General menu and press **OK**.
- 2 Press the cursor right and enter the overriding code 8-8-8-8.
- 3 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 indicate the peripheral you connected to one of the external inputs.

- 1 Press the cursor right to enter the list of types of peripherals attached to the selected input.
- 2 Select the peripheral device with the cursor up/down.

Once you have selected the source type, e.g. DVD, this source will automatically be selected when your remote control is in DVD mode, see p. 4, and when you press the  key on the remote control.

---

## Centre input - Centre in volume

When you have connected a surround receiver to the TV, the loudspeakers of the TV can act as centre speaker, making a separate centre speaker unnecessary.

Select **Centre input On** or **Cinema Link**.

Select **On** in case you have connected an external audio receiver without Cinema Link.

Select **Cinema Link** in case you have connected a Cinema Link surround receiver.

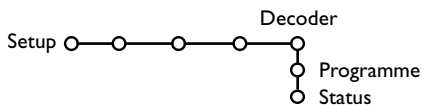
When having selected **On** you can adjust the **Centre in volume** with the cursor left/right to correct volume level differences of the external audio receiver and speakers.

## Digital audio in 1 or 2

- 1 Select **Dig audio in 1 or 2**.
- 2 Select one of the corresponding connections in the list when you connected your digital device together with the additional audio cable you connected to one of the digital audio in sockets of your TV. See Connect Peripheral equipment, Digital equipment, p. 27.

---

## Decoder

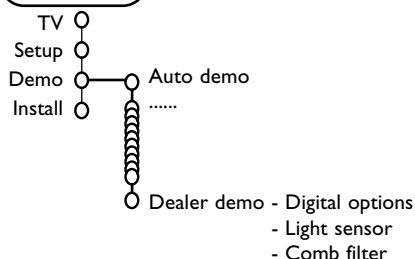


If a decoder or a descrambler is connected, see p. 27, you can define one or more programme numbers as decoder programme numbers.

- 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.

*Note: Select **EXT2** when the decoder is connected to your EasyLink video recorder.*

## Demo



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

If **Auto demo** has been selected the demo will automatically present 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 reappear.

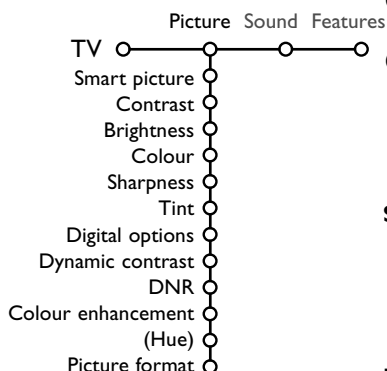
*Note: The Dealer demo is not part of the automatic sequence and can only be activated separately.*

## TV menu

Press the **MENU** key on the remote control to summon the main menu.

Press the **i+** key on the remote control to get information about the selected menu item.

### Picture menu



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

❷ Select the menu items in the Picture menu with the cursor up/down.

❸ 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.*

#### Smart picture

Select **Smart picture** to display a list of predefined picture settings, each corresponding with specific factory settings.

**Personal** refers to the personal preference settings of picture in the picture menu.

#### Digital options



Pixel Plus is the most ideal setting, doubles the horizontal resolution and increases the number of lines with 33%. You may consider to select Movie Plus in case a halo effect should disturb you. Dependent on your own preference, select Double lines, or 100 Hz Digital Scan.

*Note: When 60 Hz NTSC material is used, the options are changed to Pixel Plus, Movie Plus or Progressive, progressive scan without motion compensation.*

---

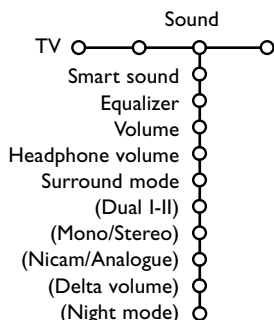
## Active Control

The TV continuously measures and corrects all incoming signals in order to provide the best picture possible.

- ❶ Press the  key on the remote control.
- ❷ The Active Control menu appears.
- ❸ Press the cursor up/down to select the Active Control values **Off**, **Minimum**, **Medium** (recommended) or **Maximum**.  
The picture settings are being optimised continuously and automatically which is displayed by bars. The menu items can not be selected.
- ❹ Press the cursor right to select **Smart Picture**.
- ❺ Press the cursor up/down to select one of the predefined picture settings.
- ❻ Press the cursor right to select **Active Display**.
- ❼ Press the cursor up/down to select **Show bars**, one of the Dual screen demos or **Off**.  
When you select Dynamic contrast, Pixel Plus, Digital Noise Reduction or Digital Natural Motion, the TV screen is divided into two parts: in the left part the selected picture quality setting is switched off; in the right part it is switched on.
- ❽ Press the  key again to switch off the Active Control menu.

---

## Sound menu



- ❶ Press the cursor right to select **Sound**.
- ❷ 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.

### Smart sound

Select **Smart sound** to display a list of predefined sound settings, each corresponding with specific factory settings of treble and bass.

**Personal** refers to the personal preference settings of sound in the sound menu.

#### Notes:

- 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

Dependent on your personal preference and the sound signal broadcasted, select one of the Surround modes.

### Stereo



This mode reproduces only the left and right front sound signals.

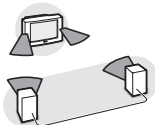
### Dolby 3 Stereo

(optimal with Dolby Surround broadcasting)



The Dolby Pro Logic\* sounds are distributed over the front left, the front right and the centre TV loudspeakers.

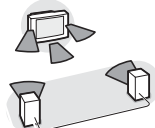
### Hall




The sound signal is distributed over the rear loudspeakers which creates a hall effect from the rear.  
The centre loudspeaker does not reproduce any signal.

### Dolby Pro Logic II

(optimal with Dolby Surround broadcasting)

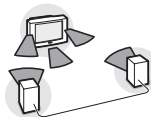


All front and rear loudspeakers reproduce the Dolby Surround Pro Logic II sounds.  
This sound is always present in the movie or programme marked with  Dolby Surround.

Note:

- Normal stereo broadcast is not always encoded to produce a rear surround sound effect.
- In case of a Cinema Link receiver configuration connected, only the surround modes of the external receiver can be selected.


## Dolby Digital



When you have connected a DVD player or a Laser Disc player (see Connect Peripheral equipment, Digital equipment, p. 27), you can enjoy Multi Channel Surround Sound in your home when playing discs recorded in Dolby Digital.

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

### Dolby Digital sound reception info via the key

Press the  key.

When Dolby Digital sound is reproduced, the sound info on screen displays the number of loudspeaker signals which are transmitted.

This is indicated by 2 numbers: the first one indicates the number of front loudspeaker signals, the second one the number of rear loudspeaker signals.

E.g. 'Dolby Digital 3/2' means that 3 front signals are transmitted: left, right and centre, and 2 rear signals: left and right surround.

'Dolby Digital 1/0' means that a mono signal is transmitted.

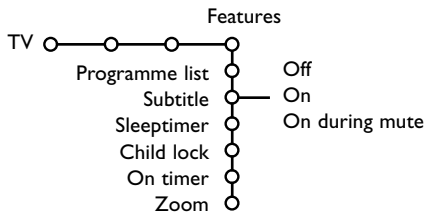
'Dolby Digital 2/0' means that the transmission contains a stereo signal which can be Dolby Surround encoded. In this case the surround mode will display Dolby Pro Logic II.



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



## Features menu



### Programme list

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

### Select subtitles

The subtitle page must be stored for each TV channel:

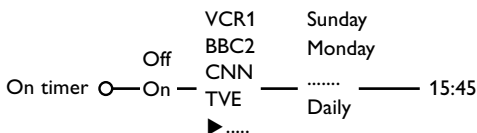
Switch on teletext and select the proper subtitle page from the index. Switch off teletext.

**Subtitle On** will automatically display them 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 only when the sound has been muted with the **M** key on the remote control.

### On timer

- 1 Select **On timer** with the cursor down.



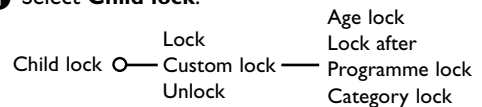
- 2 Select **On** with the cursor right.
- 3 Press the cursor right again to enter the programme list.
- 4 Select the TV channel or external you want your TV to switch to on a selected time and day.
- 5 Press the cursor right again to select a day of the week or to select **Daily**.
- 6 Press the cursor right once again to enter the time with the digit keys or with the cursor up/down and press the **OK** key to activate.
- 7 Press the **MENU** key to turn off the menu.  
*Note: To check your timer settings, press the **i+** key.*

Press the cursor right to select **Features**. Select the menu items with the cursor up/down and adjust the settings with the cursor left/right.

**Press the **i+** key on the remote control to get information about the selected menu item.**

### Child lock

- 1 Select **Child lock**.



- 2 Press the cursor right to enter the Child lock menu. You're summoned to enter your 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:
  - **Lock** if you want to lock all channels and externals.
  - **Custom lock** and press the cursor right. The items **Age lock** and **Category lock** are only available when NEXTVIEW broadcast is available. Select:
    - **Age lock** if you want to lock programmes related to a certain age: off, 2, 4 ... 18;
    - **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.
    - **Programme lock** if you want to lock a certain TV channel or external;
    - **Category lock** if you want to lock programmes related to a certain theme: Movies, Sports, Shows.... See NEXTVIEW, p. 17.
  - Select **Unlock** to disable all locks you have set.

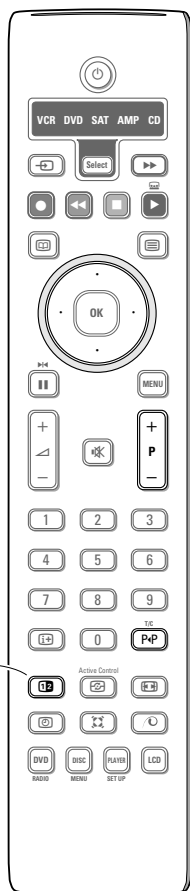
*Note:*

- The Radio mode can not be locked separately.
- DVD mode - Disc Lock, see p. 26.

### Zoom

- 1 Select **Zoom** with the cursor down and press the **OK** key.
- 2 Press the **OK** key to select one of the zoom magnifications (x1, x4, x9, x16).
- 3 Additionally you can shift the selected zoom window over the screen with the cursor keys up/down, left/right.
- 4 Press the **MENU** key to switch off the zoom function.

## Dual screen / PIP / Multipip



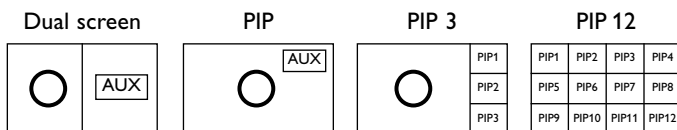
Press the **12** key to switch on **Dual screen**, **PIP** or one of the **PIP** modes.

Press the **12** key again. The screen that has a yellow border will become the full main screen picture.

Notes:

- Continuing to hold the **12** key down will cycle the TV through the various formats launching a new format after each second the key is held down. After standby of the TV, the preference as set in the Setup, General menu is used.
- When Dual screen mode is selected, two picture formats are supported: Full screen or 4:3 letterbox picture format (vertical squeeze).
- Audio from the right screen or the PIP plays to the headphones.
- Dual screen/PIP/Multipip is not possible in Radio and DVD mode.

### Display options



- Press the cursor right to highlight the right screen.
- Press the cursor down to highlight the single PIP screen.
- Press the cursor right to enter the Multipip screen and then use the cursor keys to navigate through the PIP screens and to highlight a PIP screen.

### Changing TV channels or external sources in left, right, PIP or Multipip screen

- Press the **-P+** keys or the **P+P** key or the digit keys in order to change the TV channels or external sources in the highlighted screen.

### Scan PIP3 or PIP 12

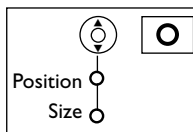
Navigate to the lowest PIP and press the cursor down to display a following series of PIP screens.

### Define the position and the size of the single PIP screen

- 1 Select a Dual screen mode with a single PIP screen.
- 2 Press the cursor down to highlight the PIP screen. A PIP menu appears with which you can define the position and the size of the PIP screen.

Note: When the PIP menu times out, press the **OK** key to make it reappear.

- 3 Press the cursor down again to select **Position** or **Size**.
- 4 Press the **OK** key or the cursor right to activate.
- 5 Use the cursor keys to define the position of the PIP screen. Use the cursor left/right to define the size of the PIP screen.
- 6 Press the **OK** key. The PIP menu reappears.
- 7 Press the cursor up to the top of the menu to highlight the main screen again.
- 8 Press the **OK** key to switch off the menu or wait until it is timed out.



### On-Screen information

The highlighted On-Screen information, which appears when changing channels, always refers to the active screen.



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.

### Call NEXTVIEW / Teletext guide

Press the key on the remote control to call the NEXTVIEW/Teletext 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),
- 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.

### Select TV channels by theme

If NEXTVIEW with defined theme is broadcast, it is possible to quickly select TV programmes with the P+P key. See Setup, General menu, Smart surf, p. 10.

### Display of a NEXTVIEW page

The information is set by the channel that transmits the NEXTVIEW service. See also Setup menu, General, NEXTVIEW provider, p. 10.

The screenshot shows a NEXTVIEW guide interface. At the top, there's a header with 'Mon 05 Feb' and '18.00'. Below this, there's a list of programmes: 'Mon 03', 'Tue 04', 'Wed 05', 'Thu 06', 'Fri 07', and 'Sat 08'. Each day has a corresponding programme: 'BBC1 18.00 BBC News', 'BBC2 18.00 The Simpsons', 'CNN 18.00 World News', 'FR2 18.00 On a tout essayé!', and 'CH5 18.15 Tomorrow Never Dies'. At the bottom, there are five function keys: 'Review', 'Record', 'Remind', 'Watch', and 'Lock'. Labels with arrows point to various parts of the interface: 'puck' points to the left side; 'NEXTVIEW guides' points to the top right; 'Programme name and broadcast time' points to the programme list; 'function keys' points to the bottom row of buttons. A note on the left states: 'This logo is only displayed during a NEXTVIEW transmission or when one of the externals is selected. No logo indicates a teletext programme guide'.

### Picture/NEXTVIEW - Teletext Guide

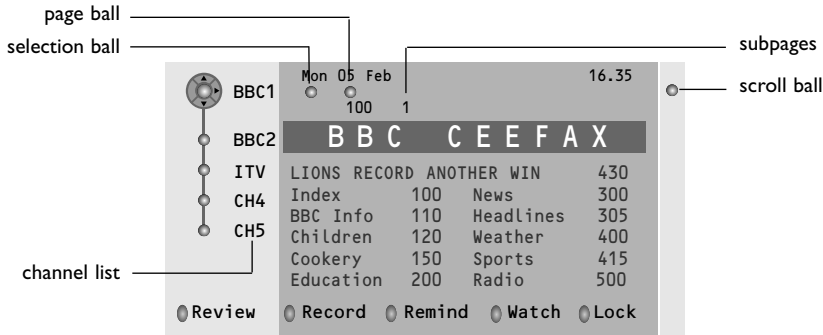
- 1 Press the key. Press the key to show NEXTVIEW-Teletext Guide on the right of the screen.
- 2 Use the cursor keys to select a TV channel.
- 3 Press the key to switch off dual screen.


### NEXTVIEW guides

- 1 Use the cursor key left/right to select **Time**, **Channel**, **Theme**, the **Date** guide. 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.

## Teletext Guide






- 1 Enter with the digit keys, the teletext page number that contains the programme information for the current channel.
- 2 Press the cursor right to move the puck over the selection ball.
- 3 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.
- When necessary you can select the subpage number by moving the cursor to the pageball and pressing right.

*Note: You must enter the teletext pagenumber for each channel. You can change the channels also by moving the cursor up/down in the list in the left of the page.*

## Basic functions

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

**Review:** 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 or remove marked programmes.

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

**Remind:** automatically switch on the TV if it is in standby or 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.

**Watch:** to watch the selected and currently broadcast programme.

## 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.

Acquisition of fresh data will happen once during the night.

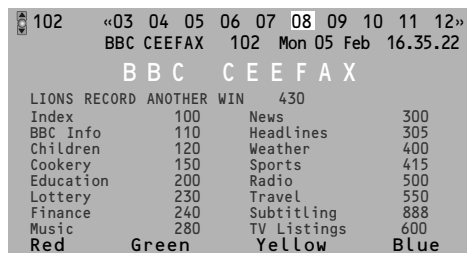
*Note: it may be necessary to put the TV in standby mode when all NEXTVIEW information is outdated, e.g. when returning from holiday.*

## 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.

### Switch Teletext on and off

Press  to switch the teletext on.



102	«03 04 05 06 07 08 09 10 11 12»
BBC CEEFAX	102 Mon 05 Feb 16.35.22
BBC CEEFAX	
LIONS RECORD ANOTHER WIN	430
Index	100 News 300
BBC Info	110 Headlines 305
Children	120 Weather 400
Cookery	150 Sports 415
Education	200 Radio 500
Lottery	230 Travel 550
Finance	240 Subtitling 888
Music	280 TV Listings 600
Red	Green Yellow Blue

### Select a Teletext page


- Enter the desired page number with the digit keys, the cursor keys up/down, left/right or with the **-P+** key.
- Select the options at the bottom of the screen with the colour keys.

### Previously selected teletext page


*(Only possible in case there is no list of favourite teletext pages available. See p. 20.)*

Press the **P/P** key.

### 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 :

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

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


Not all TV channels broadcast T.O.P. teletext.

### Select subpages

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


Press the cursor left or right to select the next or previous subpage.


### Enlarge a Teletext page

Press  repeatedly to display the upper teletext part, the lower teletext part and then to return to the normal teletext page size.

When the teletext page is enlarged, you can scroll the text, line by line using the cursor up/down.

### Picture/Teletext-Active screen selection

When in dual screen picture/teletext ( key), enter the desired page number with the **-P+** key, then press the **MENU** key, then select the left screen (with the blue ball at the top).

You can now select a compressed or full screen view of picture/teletext with the  key.

### Hypertext

With hypertext you can quickly jump to a pagenumber or search for a specific word shown on the current teletext page.

- 1 Press the **OK** key to highlight the first word or a number on the page.
- 2 Use the cursor up/down, left/right to select any other word or number you want to search for.
- 3 Press the **OK** key to confirm. The search starts. A message appears at the bottom of the screen to indicate the searching, or that the word or page is not found.
- 4 Use the cursor up to exit hypertext.

## 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.
- 3 Press the cursor right to activate.

### Reveal

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

### Favourite

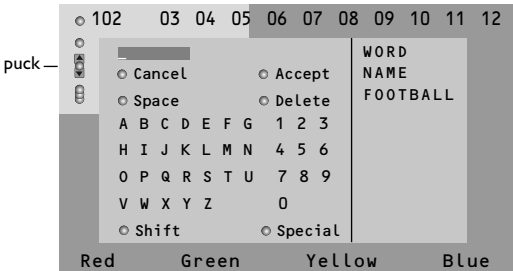
This list contains up to eight favourite teletext pages. Only the pages of the current channel can be selected.

- 1 Press the cursor right to enter the list.
- 2 Press the cursor right again to add the current page or to select one of the favourite pages to the list.
- 3 Press the **MENU** key to watch the page.
- 4 Use the P+P key to browse through the list of favourite pages.

### Search

Selecting a word

On the keyboard on screen you can type in a random word you want to search for in the teletext pages. Whether upper- or lowercase is used has no influence.



- 1 Press the cursor right to enter the keyboard.
- 2 Press the cursor left/right, up/down to select the characters, words or functions.
- 3 Press the **OK** key to confirm each character selected.
- 4 Select **Cancel** to cancel the word; **Space** to enter a space; **Delete** to delete the last character selected; **Shift** to switch between lowercase or capital characters; **Special** to display special characters on the keyboard and press the **OK** key.
- 5 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.
- 3 To cancel the searching or to search for a new word, select **Keyboard** and press **OK**.
- 4 When a word is not found, a message appears. When the word is found, it is highlighted in the teletext page. To continue the search, press the **OK** key.

### Cycle subpages (if available)

Makes the subpages cycle automatically.  
Press the cursor right to activate and to deactivate again.

### Timed page

To display a specific page from a selected TV channel at a certain time.

- 1 Press the cursor right and 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, but you should watch the TV channel you have selected the specific page from.*

- 3 Press the cursor left to return to the TV menu again.

### Language

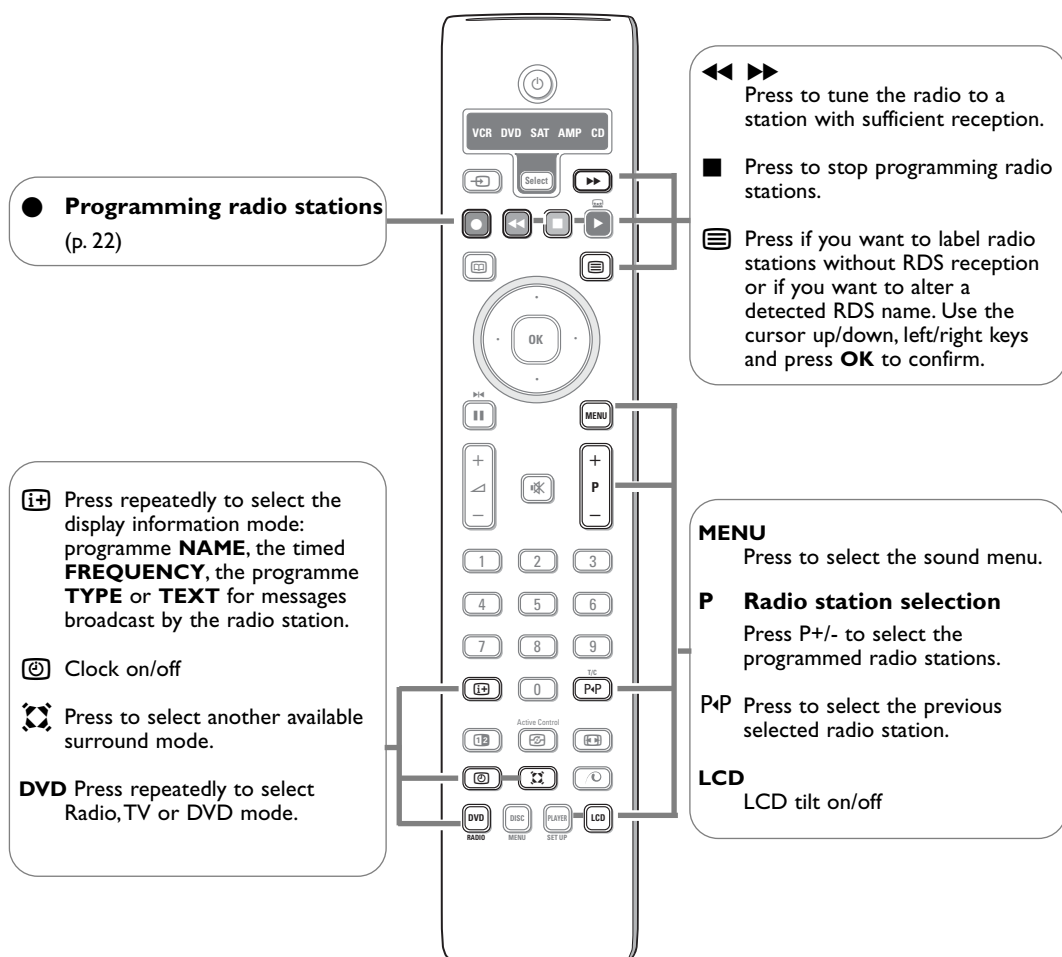
If the displayed characters on screen do not correspond with the characters used by the teletext broadcaster, you can change the language group here.  
Select **Group 1** or **Group 2** with the cursor right.

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

## RDS radio function keys

When in RDS radio mode

Note: Remote control info is not available.



## Switch to the RDS Radio mode

Press the **DVD/RADIO** key on the remote control repeatedly until the RDS Radio mode is selected. The screen is blanked and, if the received radio station transmits RDS data\*, the RDS indicator on the display lights together with the available information about the radio station tuned.

\*RDS, Radio Data Systems, is a service that allows FM stations to show additional information. If you are receiving a RDS station, the RDS icon and the station name are displayed.

## Tuning to radio stations

To find a new frequency hold down the **◀** or **▶** key on the remote control until the frequency starts to change. The radio automatically tunes to a station with sufficient reception.


If a FM station is received in stereo, stereo is displayed. To tune to a weak station, briefly and repeatedly press the **◀** or **▶** key until you have found optimal reception.

---


## Programming radio stations

You can store up to a total of 50 radio stations.







### Automatic programming


Press the  key on the remote control for about 3 seconds. **SEARCH** is displayed and all the available stations are programmed (overriding all former programmed radio stations). The system will store first the RDS stations with a strong enough signal, then the RDS stations with a weaker signal and finally the non RDS stations.

*Note:*


- to stop the automatic installation, press the  key. All stations before the stop, are stored into the memory.

### Manual programming



- 1 Briefly press the  key on the remote control. The current station number starts flashing and the station name, in case of a RDS station, or the tuned frequency is displayed.
- 2 Hold down the  or  key to start the search for a new radio station. The search will stop on the next radio station and display the tuned frequency which will eventually be replaced by the detected RDS name.  
*Note: briefly and repeatedly press the  or  key to fine tune the frequency if necessary.*
- 3 Use the P- or + key or the digit keys to select the station number where you want to store the new radio station.
- 4 Press the  key to store the new radio station on the selected station number.
- 5 Repeat 1 to 4 to store another radio station.

*Note: To stop the manually installation, press the  key. Nothing is stored and everything is restored to the radio status just before entering the manual installation mode.*

### Give name

- 1 Select the station number of the radio station you want to assign a name (for stations without RDS reception) or to change the name.
- 2 Press and hold the  key on the remote control for about 3 seconds. The cursor flashes on the first of 8 characters.
- 3 Press the cursor up/down to change the character.
- 4 Press the **OK** key to confirm the new name.

*Note: To erase a station name:*

- Select the station number you want to erase the name of.
- Press and hold the  key for about 3 seconds.
- Press and hold the  key for about 3 seconds.
- The message **DELETED** appears and the RDS name or the frequency is displayed.



## DVD/Audio CD function keys

When in DVD mode

*Note: Remote control info is not available*

**To reduce energy consumption, it may take some time for the DVD player to become active.**

### Cursor keys

Press cursor left/right repeatedly to fast rewind/forward at x4 or x32 speed.

### Freeze - Frame

Press **II** to freeze the picture.  
Press again to move to the next frame.  
Pause playback in case of an audio CD.

**i+** Press to display information about the current disc.

### DVD

Press repeatedly to switch to dvd mode.

### DISC

Press to summon the menu of the DVD disc.  
Its contents are entirely dependent on the DVD disc. It allows access to different sections such as choice of language, direct access to scenes, bonus materials, etc. Use the cursor keys to navigate through the menu and press the **OK** key to confirm.

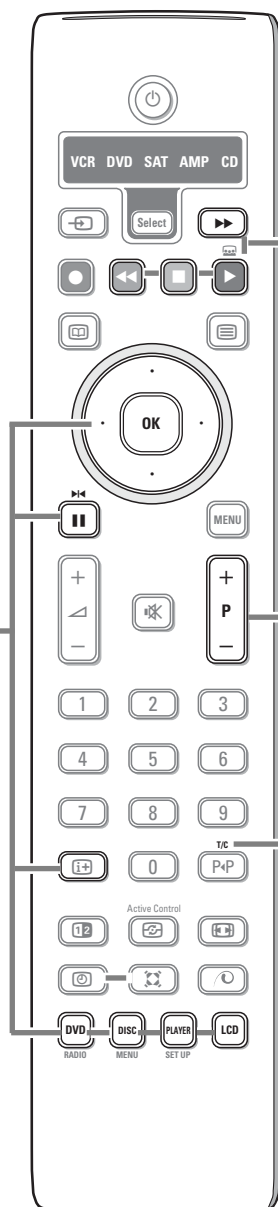
In case of a picture CD, 4 pictures are displayed at once. Press the **-P+** keys to display a previous/next series of pictures. Select a picture with the cursor keys and press the **OK** key to display a picture full screen.

### PLAYER/SETUP

DVD setup menu, p. 25

### LCD

Automatic LCD tilt on/off.



### ► Play

Once a disc is loaded, playback starts automatically. Certain discs may ask you to make a selection from a menu.

Press **►** to resume play after freezing the picture, stopping playback, switching to standby or ejecting the disc.

Press **►** to start playback of an audio CD or picture CD. Press again to start a slide show in case of a picture CD.

*Note: When temporarily switching to TV mode, and switching back to DVD mode within 10 minutes, the DVD will automatically resume.*

### ■ Stop playback

The default screen appears and gives information on the player status.

### ◀ ▶ Fast forward and rewind

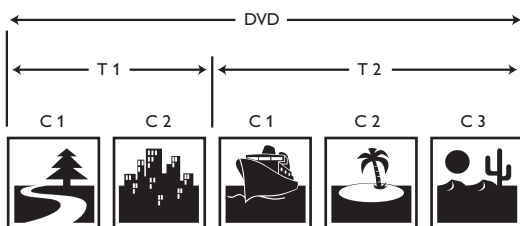
Press (or the cursor left/right) to fast forward or rewind.  
Press **►** to return to normal speed.

**P** Press to go to the previous or next chapter in case of a DVD, the previous or next track in case of an audio CD, the previous or next picture in case of a picture CD.

### T/C Title/Chapter

DVD discs are divided into different chapters to allow certain scenes to be accessed directly. Press the **T/C** key to access the Title or Chapter menu directly.

## Introduction to DVD Video



The Universal DVD Video Standard offers some unique features, such as selection of different sound tracks for different languages, different subtitle languages and even multiple camera angles (disc dependent).

Depending on the material on the disc (a movie, video clips, drama series, etc.) the disc may have one or more titles which can consist of multiple chapters (also called scenes).

## Supported disc formats

The built-in DVD player allows you to play DVD Video discs (including DVD+R and DVD+RW) as well as Video-, Super Video-, Audio-, MP3- and JPEG picture CDs (including CD-R and CD-RW CDs). The discs can be recognised by their logo on the packaging.

*Note: DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is the same zone as your player. The region code of this DVD player is 2.*

### MP3 disc properties

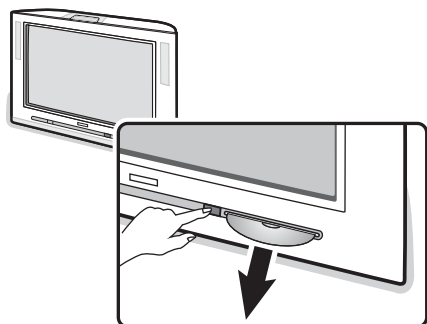
Your built-in DVD player supports the following MP3-CD format (ISO9660)

- Max. 30 character filenames
- Max. levels of nested directories: 8
- Max. ALB number: 32
- VBR bit-rate support
- Supported MP3 sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
- Supported MP3 bit-rates: 32, 64, 96, 128, 192, 256 kbps
- Following formats are not supported: .WMA, .AAC, .DLF, .M3U, .PLS, DTS (Digital Theater Systems)

### Additional notes:

- Chinese filenames are not supported.
- The CD-session must be closed.
- Only the first session of a multi-session CD is supported.
- CDs in UDF format are not supported.
- In compliance with the SDMI, digital audio out is muted while playing MP3-CDs.
- The disc reading time may exceed 10 seconds due to a large number of songs on the disc.

## Loading / removing a disc




### Loading a disc

Insert your disc in the slot with the label side facing up. The player will pull the disc in automatically.

*Note: it may take a few seconds before the disc is read. Please wait until the reading is finished.*

*Warning: Do not insert 8 cm (3 inch) discs or a malfunction may occur.*

### Removing a disc

Press the  button located on the front of the TV.

The player ejects the disc.

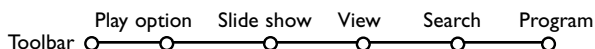
Remove the disc.

## The DVD Player Menu

This menu allows you to access all the special functions of the DVD player.

- 1 Press the **PLAYER SETUP** key on the remote control.
- 2 Use the cursor left/right up/down to go through the options in the menu and confirm your selection with the **OK** key.
- 3 Press the **OK** key to return to the previous menu or press the **PLAYER SETUP** key again to switch off the menu.

### Toolbar



*Note: Dependent on the kind of disc played, the availability of menu options may differ.*

#### Play option

- **Disc Navigation:** to access the different chapters, tracks or pictures available on the disc.
- **Subtitle and Audio:** to choose the subtitling language and audio language.

**Slide show** (Available only with a picture CD (only JPEG-pictures supported)).

- **Picture time:** to set the duration that the picture will be shown on screen;

#### View

- **Angle:** some DVDs include sequences recorded from several camera angles. On-screen info will appear. Press the **12** key on the remote control.
- **Chapter Preview:** plays the first 10 seconds of each track on the disc. To continue playback at your chosen track, press **►**.
- **Rotate** (only with a picture CD): the picture can be rotated either clockwise or counterclockwise by 90 or 180 degrees.

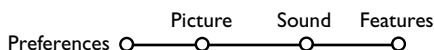
#### Search

- **Time:** use the digit keys to enter a precise time to go to. Press **OK** or the **►** key to resume at the indicated time.
- **Fast and Slow:** use the cursor left/right to select the desired speed. To resume normal speed, press **►**.
- **Frame by frame:** the image freezes. Use the cursor left/right to move backwards or forwards frame by frame. Press **►** to resume normal play.

#### Program

See 'Programming favourite tracks' on p. 26.

### Preferences



#### Picture

- **Video shift:** to move the image horizontally.

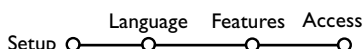
#### Sound

- **Night mode:** optimises the sound dynamics for low volume listening

#### Features

- **Help line:** when set to on, a navigation help line appears.

### Setup



#### Language

- **Default audio:** to define the preferred language for the soundtracks of DVD films.
- **Default subtitle:** to define the preferred language for subtitles on DVD films.

*Note: If the preferred language is available on the disc, it will be selected by default. If not, the first language on the disc will be activated.*

#### Features

- **PBC (Playback Control):** to activate or deactivate the possibility to directly select a title on certain Video- or Super Video-CDs.

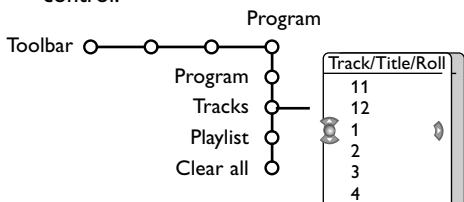
#### Access

- **Disc lock:** see p. 26.

## Programming favourite tracks

This function allows you to programme a selection of your favourite audio tracks from an Audio CD or your favourite chapters from a DVD into the memory. When the Program function is active only the programmed audio tracks or DVD chapters will be played.

- 1 Press the **PLAYER SETUP** key on the remote control.



- 2 In the Toolbar, Program menu select **Tracks** using the cursor left/right up/down.

- 3 Move the cursor right to open the list of tracks, titles or rolls. Move the cursor up/down to select a track, a title or a roll. Press the cursor right to open an overview of chapters or pictures. Move the cursor up/down to select a chapter or picture.
- 4 Press the **OK** key to confirm.
- 5 Repeat steps 3 and 4 for each favourite track, chapter or picture you wish to program. If you wish you can repeat the same track, chapter or picture several times. You have a maximum of 20 favourites per disc.
- 6 Press the **PLAYER SETUP** key to exit the menu. The favourite tracks will begin playing automatically.

## Access / Disc Lock

This function allows you to lock/unlock the DVD player.

- 1 Press the **PLAYER SETUP** key.
- 2 In the Setup menu, select **Access**.
- 3 Press the cursor down and enter your secret code.

- 4 Press the cursor down to select **Disc Lock** and switch the Lock **On** or **Off** with the cursor right.
- 5 Press the **PLAYER SETUP** key to exit the menu.

## Play authorisation

When the Disc Lock function is switched on in the Setup, Access Control menu, you will be asked to enter your code to authorise the playing of the DVD or Video-CD.

- 1 Insert a disc.
- 2 Enter your secret code.
- 3 Select **Play once** or **Play always**.
  - **Play once:** the disc can be played as long as it is in the player and the television remains on and in DVD mode.
  - **Play always:** the disc will become child safe (authorised) and can always be played, even if the Child lock is set to on.

*Note: When a disc has been labelled Play always you will not be asked to enter your code any longer.*

The player can memorise a list of 120 child safe discs. When the list is full and a new disc is added, the last disc in the list is removed. Double sided DVDs and Video-CDs with multiple volumes may include a different identification for each side or volume. In this case you will have to authorise each side or volume separately.

### Removing play authorisation

- 1 Insert a disc. Playback starts automatically.
- 2 When the ☺ symbol appears on screen, press the ■ key. The ☺ symbol appears and the disc is now deauthorised.

### Forgotten your secret code ?

See TV Setup, General, p. 11.

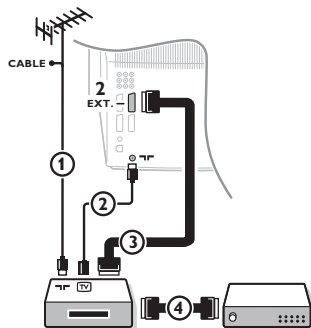
## Connect Peripheral Equipment

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.

*Note: **EXT. 1** can handle CVBS and RGB, **EXT. 2** CVBS, RGB and Y/C, **EXT. 3** and **EXT. 4** CVBS.*

*It is preferred to connect peripherals with RGB output to **EXT. 1** or **EXT. 2** as RGB provides a better picture quality. If your recorder is provided with the EasyLink function, it should be connected to **EXT. 2** to benefit from the EasyLink functionality.*

### Recorder (VCR+DVD+RW)



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

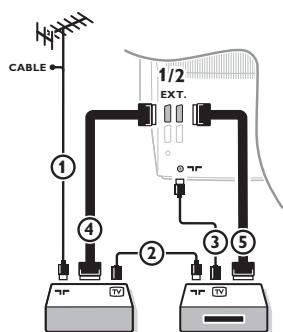
If your recorder does not have a euroconnector, the only possible connection is via the aerial cable. You will therefore need to tune in your recorder's test signal and assign it programme number 0 or store the test signal under a programme number between 90 and 99, see Manual installation, p. 8.

See the handbook of your recorder.

### 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 **EXT. 1** or **2** with a eurocable.

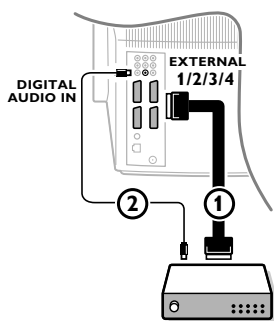
### Other equipment (except digital sources)



- ① Connect the aerial cables ①, ② and ③ as shown (only if your peripheral has TV aerial in-/output). Better picture quality can be obtained if you also connect eurocable ⑤ to **EXT. 2** and a eurocable ④ to **EXT. 1, 3** or **4**.
- ② Look for the test signal of your peripheral in the same way as you do for a recorder.

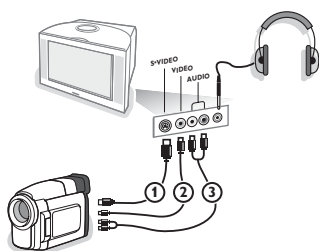
*When a recorder is connected to **EXT. 1** you can only record a programme from your TV. Only when a recorder is connected to **EXT. 2** it is possible to record a programme from your TV as well as from other connected equipment.*

### Digital equipment (DVD, Digital Set Top Box, ...)



- ① Connect your digital equipment with a eurocable ① to one of the euroconnectors (**EXT 1, 2, 3** or **4**), or with a cinch cable to the video input at the right side of the TV.
- ② To enjoy Multichannel surround sound from digital sources with a Dolby Digital audio output also connect an audio cable ② to one of the two digital audio in sockets of your TV. Make a selection in the Setup, Source menu, p. 11.
- ③ According to the connected digital equipment, select **DVD**, **SAT**, **Game** or **Digital STB** in the Setup/Source menu. See p. 11.

## Side connections





### Camera or Camcorder

- 1 Connect your camera or camcorder as shown.
  - 2 Connect to **VIDEO** ② and **AUDIO L** ③ for mono equipment. 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 !*

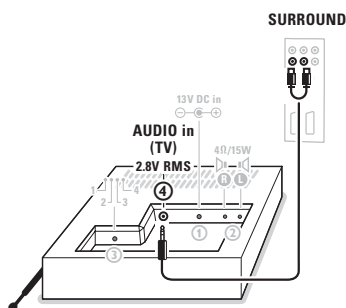
### Headphone

- 1 Insert the plug into the headphone socket  as shown.
- 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.

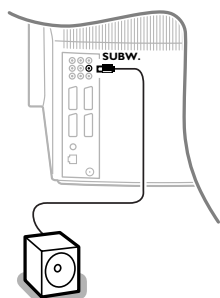
## Wired rear loudspeakers



When no wireless RF surround sound is possible or when there is too much interference you can still enjoy Dolby Pro Logic II and Dolby Digital surround sound by connecting the wireless receiver box to the TV with a stereo cinch to stereo 3.5 mm jack cable.

- 1 Connect the (not supplied) cable to the **AUDIO IN (TV)** connector ④ at the wireless receiver box and the **R** and **L** surround outputs at the back of the TV.
- 2 Select **Off** in the Wireless surround menu item of the Setup, Speakers menu, p. 9.

## Connect extra subwoofer



To enhance the sound reproduction of your TV you can connect an externally powered subwoofer (between 20 and 250 Hz).

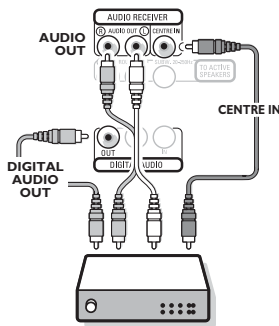
- 1 Connect the audio cable of the external subwoofer to the **SUBW.** socket at the back of your TV.
- 2 Select **External** in the Setup, Speakers menu, Subwoofer, p. 9.

For details, please refer to the subwoofer's manual.

## Connect audio receiver


Although your TV is already equipped with a Digital MultiChannel decoder you might want to connect your own MultiChannel surround receiver.

### MultiChannel surround receiver with or without digital input connectors



- 1 Connect a MultiChannel surround receiver to the **AUDIO OUT** R and L connectors at the back of your TV.
- 2 If you want the loudspeakers of your TV to act as centre speaker, also connect an audiocable to the MultiChannel surround receiver **CENTRE OUT** connector and to the **CENTRE IN** connector at the back of your TV.
- 3 Select **Centre input On** in the Source menu; See p. 11. The loudspeakers of the TV will now only produce centre sound.
- 4 If necessary, adjust the volume level of the centre sound in the **Centre in volume** menu item of the Source menu. The overall volume has to be controlled via the MultiChannel surround receiver.
- 5 In case of a Digital MultiChannel surround receiver, also connect the receiver to the **DIGITAL AUDIO OUT** connector.  
*In this case the loudspeakers of your TV can not act as centre speaker. Select **Centre input Off** in the Source menu, see p. 11. Also see the instructions manual of your Digital MultiChannel surround receiver.*

## To select connected equipment

Press the  key on the remote control repeatedly to select **EXT1, EXT2, EXT3, EXT4** 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, when it is switched on.*

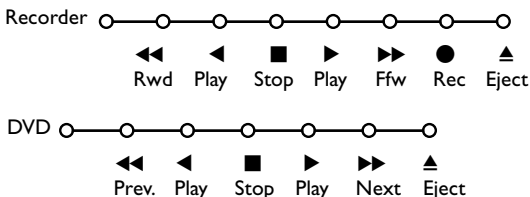
## Cinema Link Surround receiver

See the separate supplied Cinema Link instruction manual


*Attention: the sound info on screen will not correspond with the actual sound reproduction.*


## Recorder or DVD with EasyLink

The recorder (VCR or DVD+ RW) or DVD can be operated with the remote control 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  for recording 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



This system remote control operates the following Philips equipment: TV, VCR, DVD, SAT (RC5), AMP (+TUNER), CD;

Press the **Select** key to operate any of the equipment indicated in the display. Another device can be selected by pressing Select repeatedly within 2 seconds. The led will blink slowly to indicate the device.

Press one of the keys on the remote control to operate the peripheral equipment. To return to TV mode press **Select** while the led is blinking.

When no action is taken within 60 seconds, the remote goes back to TV mode.

*Note: When the **Select** key is pressed and hold for more than 2 seconds, the RC5/RC6 system select command is transmitted.*

- |     |   |                   |  |
|-----|---|-------------------|--|
| ⏻   | to switch to standby  | <b>MENU</b>       | to switch the menu on or off   |
| ●   | for record,   | - P +             | for chapter, channel, track selection  |
| ◀◀  | for rewind ( <b>VCR, CD</b> );<br>search down ( <b>DVD, AMP</b> )   | 0 to 9            | digit entry  |
| ■   | for stop  | P+P               | tape index ( <b>VCR</b> ),<br>select a DVD chapter,<br>select a frequency ( <b>AMP</b> ) |
| ▶▶  | for play  | ⌚                 | VCR timer  |
| ▶▶▶ | for fast forward ( <b>VCR, CD</b> );<br>search up ( <b>DVD/AMP</b> )  | ⊗                 | surround on/off ( <b>AMP, CD</b> )   |
| 📄   | to select your choice of subtitle<br>language ( <b>DVD</b> );<br>RDS news/TA ( <b>AMP</b> );<br>to shuffle play ( <b>CD</b> ) | cursor up/down    | to select the next or the<br>previous disc ( <b>CD</b> )                                 |
| 📖   | to select a <b>DVD</b> title;<br>RDS display ( <b>AMP</b> );<br>info on screen ( <b>CD</b> )                                  | cursor left/right | to select the previous or<br>following track ( <b>CD</b> )                               |
| ⓘ   | display information   |                   | search up/down ( <b>AMP</b> )  |

Additionally the DVD, SAT and CD indicator can be programmed to operate the DVD-R, SAT (RC6), CD-R instead.

- ❶ Press the **Select** key repeatedly until no LED is lit.
- ❷ To program **DVD-R**, press the **OK** key + digit 2.  
To program **SAT (RC6)**, press the **OK** key + digit 4.  
To program **CD-R**, press the **OK** key + digit 6.

From now on, when the corresponding (**DVD, SAT, CD**) indicator is selected, the remote control will operate your DVD-R, SAT (RC6) or CD-R.

*Note: To return to the modes programmed in the factory, either remove the batteries for a few minutes, or press the **OK** key + digit 1 (DVD mode); or + digit 3 (SAT-RC5) or + digit 5 (CD mode).*

## Record with your recorder with EasyLink

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

Continue to press the ● record key on the remote control for more than 2 seconds.


*Note:*

*Switching programme numbers on your TV does not disturb recording !*

*When recording a programme from a peripheral connected to **EXT. 1, 3, 4** or **SIDE**, you can not select another TV programme on the screen.*



## Tips

<b>Care of the screen</b>	Clean the TV with a slightly damp soft cloth. Do not use abrasive solvent as it can damage the TV screen.
<b>Poor Picture</b>	<ul style="list-style-type: none"> <li>• Have you selected the correct TV system in the manual installation menu ?</li> <li>• Is your TV or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc.?</li> <li>• 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.</li> <li>• Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. See Installation, p. 8.</li> <li>• Are brightness, sharpness and contrast out of adjustment? Select Factory settings in the Setup, General menu, p. 10.</li> <li>• 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 one of the externals at the same time. In this case switch off one of the other peripherals.</li> </ul>
<b>No picture</b>	<ul style="list-style-type: none"> <li>• Is the aerial connected properly?</li> <li>• Are the plugs tightly connected in the aerial socket?</li> <li>• Is the aerial cable in good condition and does it have suitable plugs?</li> <li>• Press the <b>DVD</b> key on the remote control to switch to TV mode.</li> </ul>
<b>Digital distortion</b>	The low quality of some digital picture material may be the cause of digital image distortion. In this case select the Soft setting using the Picture menu, Smart Picture, without changing the picture settings manually.
<b>Moistured lense problem</b>	The lense may cloud over when the DVD player is suddenly moved from cold to warm surroundings. Playing a CD/DVD is not possible then. Leave the TV in a warm environment for two hours before use, so the moisture can evaporate.
<b>Cleaning DVD/ Audio disc</b>	<p>Some problems may occur because the disc inside the recorder is dirty. To avoid these problems clean your discs regularly with a cleaning cloth. Wipe the disc from the centre out.</p> <p><b>Caution:</b> do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analogue discs. Do not use commercially available cleaning disc to clean the lens, as these discs may damage the optical unit.</p>
<b>No sound</b>	<ul style="list-style-type: none"> <li>• No sound on any channel? Check the volume isn't at minimum.</li> <li>• Is the sound interrupted with the mute key ? Check if your speaker configuration corresponds with the selections made in the Setup menu, Speakers, p. 9.</li> <li>• No sound from the connected audio receiver? Select Centre input Off in the Source menu, see p. 11.</li> </ul>
<b>No Surround sound</b>	<ul style="list-style-type: none"> <li>• Perhaps the channel is not broadcasting good quality surround sound.</li> <li>• To avoid interfered picture the wireless transmitter might be automatically switched off. Use the wired back up solution, p. 28.</li> <li>• 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. 14.</li> </ul>
<b>No solution found for your picture or sound problem ?</b>	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.

<b>Remote control</b>	<ul style="list-style-type: none"> <li>• If your TV no longer responds to the remote control, the batteries may be dead.</li> <li>• Check if the remote control is in the correct mode.</li> <li>• You can still use the <b>MENU</b> key and the -/+ keys at the top of your TV.</li> </ul>
<b>Menu</b>	Have you selected the wrong menu? Press the <b>MENU</b> key again to exit from the menu.
<b>NEXTVIEW</b>	<p><b>No NEXTVIEW info:</b> See Acquisition and updating of NEXTView information, p. 18.</p> <p><b>Displayed time is wrong:</b> 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.</p>
<b>Wireless Surround menu speaker system</b>	<ul style="list-style-type: none"> <li>• Are the wireless receiver box and the Surround Sound setting in the Setup switched to the same transmitting channel?</li> <li>• Put the wireless receiver box at least 15 cm above ground level.</li> <li>• The distance between the TV and the wireless receiver box should be &gt; 2 m.</li> <li>• External RF equipment, mobile telephones or people moving around close to the TV may disturb the sound transmission.</li> <li>• 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 Wired rear loudspeakers, p. 28.</li> <li>• For wireless transmitter modules with a built in antenna: you must place the antenna in a vertical position.</li> </ul>
<b>Standby</b>	<p>Your TV consumes energy in the standby mode. Energy consumption contributes to air and water pollution.</p> <p>Power consumption: 1 W.</p>

Table of TV frequencies.  
Frequenztafel der Fernsehsender.  
Liste des fréquences des émetteurs.  
Frequentietabel TV-Zenders.  
Tabella delle frequenze delle trasmissioni.  
Lista de las frecuencias de las emisoras.  
Lista das frequências dos emissores.  
Liste over TV senderne.  
Tabell over TV-frekvenser.

Tabell över TV-frekvenser.  
TV-taajuustaulukko.  
Κατάλογος συχνοτήτων πομπών.  
Список частот передатчиков.  
A televízió-adóállomások frekvenciáinak a listája.  
Lista częstotliwości stacji nadawczych.  
Seznam frekvencních pásem vysílačů.  
Zoznam frekvencných pásiem vysílačov.

EUROPE

CH..FREQ. (MHz)	CAN..FREQ. (MHz)
E2.....48.25	R1.....49.75
E3.....55.25	R2.....59.25
E4.....62.25	R3.....77.25
E5.....175.25	R4.....85.25
E6.....182.25	R5.....93.25
E7.....189.25	R6.....175.25
E8.....196.25	R7.....183.25
E9.....203.25	R8.....191.25
E10.....210.25	R9.....199.25
E11.....217.25	R10.....207.25
E12.....224.25	R11.....215.25
S1.....105.25	R12.....223.25
S2.....112.25	S1.....105.25
S3.....119.25	S2.....112.25
S4.....126.25	S3.....119.25
S5.....133.25	S4.....126.25
S6.....140.25	S5.....133.25
S7.....147.25	S6.....140.25
S8.....154.25	S7.....147.25
S9.....161.25	S8.....154.25
S10.....168.25	S9.....161.25
S11.....231.25	S10.....168.25
S12.....238.25	S11.....231.25
S13.....245.25	S12.....238.25
S14.....252.25	S13.....245.25
S15.....259.25	S14.....252.25
S16.....266.25	S15.....259.25
S17.....273.25	S16.....266.25
S18.....280.25	S17.....273.25
S19.....287.25	S18.....280.25
S20.....294.25	S19.....287.25
H1.....303.25	S20.....294.25
H2.....311.25	H1.....303.25
H3.....319.25	H2.....311.25
H4.....327.25	H3.....319.25
H5.....335.25	H4.....327.25
H6.....343.25	H5.....335.25
H7.....351.25	H6.....343.25
H8.....359.25	H7.....351.25
H9.....367.25	H8.....359.25
H10.....375.25	H9.....367.25
H11.....383.25	H10.....375.25
H12.....391.25	H11.....383.25
H13.....399.25	H12.....391.25
H14.....407.25	H13.....399.25
H15.....415.25	H14.....407.25
H16.....423.25	H15.....415.25
H17.....431.25	H16.....423.25
H18.....439.25	H17.....431.25
H19.....447.25	H18.....439.25
21.....471.25	H19.....447.25
22.....479.25	21.....471.25
23.....487.25	22.....479.25
24.....495.25	23.....487.25
25.....503.25	24.....495.25
26.....511.25	25.....503.25
27.....519.25	26.....511.25
28.....527.25	27.....519.25
29.....535.25	28.....527.25
30.....543.25	29.....535.25
31.....551.25	30.....543.25
32.....559.25	31.....551.25
33.....567.25	32.....559.25
34.....575.25	33.....567.25
35.....583.25	34.....575.25
36.....591.25	35.....583.25
37.....599.25	36.....591.25
38.....607.25	37.....599.25
39.....615.25	38.....607.25
40.....623.25	39.....615.25
41.....631.25	40.....623.25
42.....639.25	41.....631.25
43.....647.25	42.....639.25
44.....655.25	43.....647.25
45.....663.25	44.....655.25
46.....671.25	45.....663.25
47.....679.25	46.....671.25
48.....687.25	47.....679.25
49.....695.25	48.....687.25
50.....703.25	49.....695.25
51.....711.25	50.....703.25
52.....719.25	51.....711.25
53.....727.25	52.....719.25
54.....735.25	53.....727.25
55.....743.25	54.....735.25
56.....751.25	55.....743.25
57.....759.25	56.....751.25
58.....767.25	57.....759.25
59.....775.25	58.....767.25
60.....783.25	59.....775.25
61.....791.25	60.....783.25
62.....799.25	61.....791.25
63.....807.25	62.....799.25
64.....815.25	63.....807.25
65.....823.25	64.....815.25
66.....831.25	65.....823.25
67.....839.25	66.....831.25
68.....847.25	67.....839.25
69.....855.25	68.....847.25

FRANCE

CAN..FREQ. (MHz)	CAN..FREQ. (MHz)
2.....55.75	3.....60.50
3.....60.50	4.....63.75
4.....63.75	5.....176.0
5.....176.0	6.....184.0
6.....184.0	7.....192.0
7.....192.0	8.....200.0
8.....200.0	9.....208.0
9.....208.0	10.....216.0
10.....216.0	B.....116.75
B.....116.75	C.....128.75
C.....128.75	D.....140.75
D.....140.75	E.....159.75
E.....159.75	F.....164.75
F.....164.75	G.....176.75
G.....176.75	H.....188.75
H.....188.75	I.....200.75
I.....200.75	J.....212.75
J.....212.75	K.....224.75
K.....224.75	L.....236.75
L.....236.75	M.....248.75
M.....248.75	N.....260.75
N.....260.75	O.....272.75
O.....272.75	P.....284.75
P.....284.75	Q.....296.75
Q.....296.75	H1.....303.25
H1.....303.25	H2.....311.25
H2.....311.25	H3.....319.25
H3.....319.25	H4.....327.25
H4.....327.25	H5.....335.25
H5.....335.25	H6.....343.25
H6.....343.25	H7.....351.25
H7.....351.25	H8.....359.25
H8.....359.25	H9.....367.25
H9.....367.25	H10.....375.25
H10.....375.25	H11.....383.25
H11.....383.25	H12.....391.25
H12.....391.25	H13.....399.25
H13.....399.25	H14.....407.25
H14.....407.25	H15.....415.25
H15.....415.25	H16.....423.25
H16.....423.25	H17.....431.25
H17.....431.25	H18.....439.25
H18.....439.25	H19.....447.25
H19.....447.25	21.....471.25
21.....471.25	22.....479.25
22.....479.25	23.....487.25
23.....487.25	24.....495.25
24.....495.25	25.....503.25
25.....503.25	26.....511.25
26.....511.25	27.....519.25
27.....519.25	28.....527.25
28.....527.25	29.....535.25
29.....535.25	30.....543.25
30.....543.25	31.....551.25
31.....551.25	32.....559.25
32.....559.25	33.....567.25
33.....567.25	34.....575.25
34.....575.25	35.....583.25
35.....583.25	36.....591.25
36.....591.25	37.....599.25
37.....599.25	38.....607.25
38.....607.25	39.....615.25
39.....615.25	40.....623.25
40.....623.25	41.....631.25
41.....631.25	42.....639.25
42.....639.25	43.....647.25
43.....647.25	44.....655.25
44.....655.25	45.....663.25
45.....663.25	46.....671.25
46.....671.25	47.....679.25
47.....679.25	48.....687.25
48.....687.25	49.....695.25
49.....695.25	50.....703.25
50.....703.25	51.....711.25
51.....711.25	52.....719.25
52.....719.25	53.....727.25
53.....727.25	54.....735.25
54.....735.25	55.....743.25
55.....743.25	56.....751.25
56.....751.25	57.....759.25
57.....759.25	58.....767.25
58.....767.25	59.....775.25
59.....775.25	60.....783.25
60.....783.25	61.....791.25
61.....791.25	62.....799.25
62.....799.25	63.....807.25
63.....807.25	64.....815.25
64.....815.25	65.....823.25
65.....823.25	66.....831.25
66.....831.25	67.....839.25
67.....839.25	68.....847.25
68.....847.25	69.....855.25

ITALY

CAN..FREQ. (MHz)	A.....53.75
A.....53.75	B.....62.25
B.....62.25	C.....82.25
C.....82.25	D.....175.25
D.....175.25	E.....183.75
E.....183.75	F.....192.25
F.....192.25	G.....201.25
G.....201.25	H.....210.25
H.....210.25	H1.....217.25
H1.....217.25	S1.....105.25
S1.....105.25	S2.....112.25
S2.....112.25	S3.....119.25
S3.....119.25	S4.....126.25
S4.....126.25	S5.....133.25
S5.....133.25	S6.....140.25
S6.....140.25	S7.....147.25
S7.....147.25	S8.....154.25
S8.....154.25	S9.....161.25
S9.....161.25	S10.....168.25
S10.....168.25	S11.....231.25
S11.....231.25	S12.....238.25
S12.....238.25	S13.....245.25
S13.....245.25	S14.....252.25
S14.....252.25	S15.....259.25
S15.....259.25	S16.....266.25
S16.....266.25	S17.....273.25
S17.....273.25	S18.....280.25
S18.....280.25	S19.....287.25
S19.....287.25	S20.....294.25
S20.....294.25	H1.....303.25
H1.....303.25	H2.....311.25
H2.....311.25	H3.....319.25
H3.....319.25	H4.....327.25
H4.....327.25	H5.....335.25
H5.....335.25	H6.....343.25
H6.....343.25	H7.....351.25
H7.....351.25	H8.....359.25
H8.....359.25	H9.....367.25
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H10.....375.25	H11.....383.25
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H13.....399.25	H14.....407.25
H14.....407.25	H15.....415.25
H15.....415.25	H16.....423.25
H16.....423.25	H17.....431.25
H17.....431.25	H18.....439.25
H18.....439.25	H19.....447.25
H19.....447.25	21.....471.25
21.....471.25	22.....479.25
22.....479.25	23.....487.25
23.....487.25	24.....495.25
24.....495.25	25.....503.25
25.....503.25	26.....511.25
26.....511.25	27.....519.25
27.....519.25	28.....527.25
28.....527.25	29.....535.25
29.....535.25	30.....543.25
30.....543.25	31.....551.25
31.....551.25	32.....559.25
32.....559.25	33.....567.25
33.....567.25	34.....575.25
34.....575.25	35.....583.25
35.....583.25	36.....591.25
36.....591.25	37.....599.25
37.....599.25	38.....607.25
38.....607.25	39.....615.25
39.....615.25	40.....623.25
40.....623.25	41.....631.25
41.....631.25	42.....639.25
42.....639.25	43.....647.25
43.....647.25	44.....655.25
44.....655.25	45.....663.25
45.....663.25	46.....671.25
46.....671.25	47.....679.25
47.....679.25	48.....687.25
48.....687.25	49.....695.25
49.....695.25	50.....703.25
50.....703.25	51.....711.25
51.....711.25	52.....719.25
52.....719.25	53.....727.25
53.....727.25	54.....735.25
54.....735.25	55.....743.25
55.....743.25	56.....751.25
56.....751.25	57.....759.25
57.....759.25	58.....767.25
58.....767.25	59.....775.25
59.....775.25	60.....783.25
60.....783.25	61.....791.25
61.....791.25	62.....799.25
62.....799.25	63.....807.25
63.....807.25	64.....815.25
64.....815.25	65.....823.25
65.....823.25	66.....831.25
66.....831.25	67.....839.25
67.....839.25	68.....847.25
68.....847.25	69.....855.25

GB

The frequencies used by a cable company may differ from the frequencies on the table. Consult your cable company or your dealer for detailed information.

D

In Kabelfernsehanlagen können Abweichungen von den in den Frequenztabellen aufgeführten Frequenzen vorkommen. Bitte wenden Sie sich an Ihren Fachhändler oder Ihre Kabelfernsehgeseellschaft, die Ihnen die zutreffenden Frequenzen mitteilt.

F

Les fréquences utilisées par une société de télédistribution peuvent être différentes de celles sur la liste des fréquences. Consultez votre société de télédistribution ou votre revendeur pour des informations plus détaillées.

NL

De frequenties die gebruikt worden door een kabelmaatschappij kunnen verschillen van deze op de tabel. Raadpleeg uw kabelexploitant of uw handelaar voor meer informatie.

I

Le frequenze usate per una società di tele Distribuzione possono essere differenti di quelle nella tabella. Consultate la società di tele Distribuzione o il vostro rivenditore per informazione specifica.

E

Las frecuencias utilizadas por las empresas de distribución de señal por cable, pueden ser diferentes de las que se encuentran en esta tabla. Consulte con su compañía de distribución de televisión por cable o con su distribuidor para que le proporcionen una información más detallada.

P

As frequências utilizadas por uma sociedade de tele Distribuição podem ser diferentes das indicadas na lista de frequências. Consultar a sociedade de tele Distribuição ou o vendedor para informações mais detalhadas.

DK

Frekvenser benyttet af kabel operatører kan være afvigende fra disse, kontakt deres kabel operatør eller forhandler for nærmere information.

N

Frekvensene som benyttes pa et kabelnett kan avvike fra de som er oppført i tabellen. Kontakt ditt kabel-TV selskap eller din forhandler for nærmere opplysninger.

S

Frekvenserna som används i kabel-TV-näten kan avvika från frekvenserna i tabellen. Kontakta ditt kabel-TV-bolag eller din radiohandlare för vidare information.

SF

Kaapeliyhtiöiden käyttämät taajuudet voivat poiketa taulukossa olevista taajuuksista. Tarkat tiedot saat kaapeliyhtiöstä tai myyjältä.

GR

Οι συχνοτήτες που χρησιμοποιούνται από μια εταιρεία τηλεμετάδοσης είναι δυνατόν να είναι διαφορετικές από αυτές που περιέχει ο κατάλογος. (Συμβουλευθείτε την εταιρεία τηλεμετάδοσης ή τον πωλητή για λεπτομερέστερες πληροφορίες).

CEI

Частоты на которых передаёт телекомпания могут отличаться от частот на данной таблице. (Обратиться к Вашей телекомпании или Вашему продавцу за дополнительной информацией).

H

Egy televízió-adóállomás sugárzásához használt frekvenciatarományai lehetnek a táblázatban közöltéktől eltérőek is. (Abban az esetben, ha bővebb információkra van szüksége, forduljon az eladóhoz.)

PL

Operator sieci telewizyjnej może stosować inne częstotliwości, niż te, które figurują na tablicy (bardziej szczegółowych informacji na ten temat zasięgnąć u operatora lub sprzedawcy).

CZ

Frekvence používané některými televizními společnostmi se mohou lišit od údajů uvedených v tomto seznamu. Informujte se blíže u příslušné společnosti nebo v prodejně, kde jste televizor koupili.

SK

Frekvence používané niektorými spoločnosťami televízneho prenosu sa môžu líšiť od údajov uvedených v tomto zozname. Informujte sa bližšie u príslušnej spoločnosti alebo v predajni, kde ste televízor kúpili.



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