

**FLAT TV**



SEE EVERY THING    EXPERIENCE EVERY THING

**PHILIPS**

# 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 woodscrews.

# 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: 32PF9956

Product No: .....

## Care of the screen

See Tips, p. 25.

Due to continuous product improvements this manual is subject to change without notice.



## 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.

Your TV contains a (tolerated) small amount of mercury. Please ensure you dispose of your old TV according to local regulations.

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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 recorder, provided both are fitted with the EasyLink function and connected with the eurocable supplied with your recorder.

## Preparation

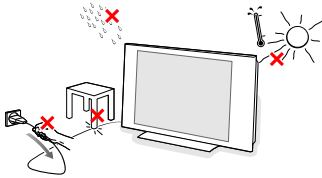
### 1 Wall mounting instructions/Table stand

How to mount the supplied wall mount bracket and table stand, see the supplied separate leaflet. Make sure that the wall mount is being fixed securely enough so that it meets safety standards.


The weight of the TV (excl. packaging) is about 20 kg.

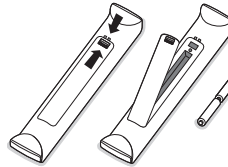
*Note: Other (not supplied) stands are optional accessories. Consult your dealer.*

- 2 Place or hang the TV wherever you want, but make sure that air can circulate freely through the ventilation slots. Do not install the TV in a confined space such as a book case or a similar unit.





To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed on or in the vicinity. Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be exposed to dripping or splashing.

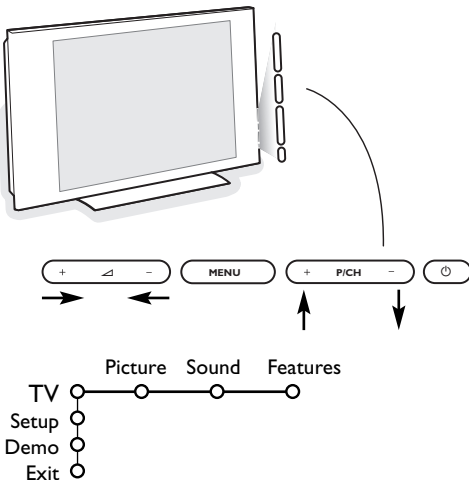
- 3 Insert the aerial plug firmly into the aerial socket  at the bottom of the TV.
- 4 To connect other peripherals, see p. 20. In order to obtain the best result, please use only the supplied aerial cable between the TV and recorder, and between recorder and aerial connector.
- 5 Insert the mains cord supplied into the mains at the bottom of the TV and in the wall socket having a mains voltage of 198-264V. To prevent damaging the power (AC) cord which could cause a fire or electric shock, do not place the TV on the cord.
- 6 **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.*


- 7 **Switch the TV on :** Press the power switch  at the right side of the TV. A blue indicator on the front of the TV lights up and the screen comes on. If the TV is in standby mode (red indicator), press the **-P+** keys or the  key on the remote control.

## Keys on the right side of the TV




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

Press:

- the +  - key to adjust the volume;
- the + **P/CH** - key to select the TV channels or sources.

Press the **MENU** key to summon the main menu without the remote control.

Use:

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

*Note:*

*When activated via the **MENU** key on the right side of the TV, only **Exit** lets you remove the menu.*


*Navigate to **Exit** and press the **MENU** key.*

## Use of the remote control RC4304

Note: For most keys pressing a key once will activate the function. Pressing a second time will de-activate it. When a key enables multiple options, a small list will be shown. Press repeatedly to select the next item in the list. The list will be removed automatically after 6 seconds or press **OK** to remove immediately.

### AMP DVD/R TV SAT AUX

See 'Audio- and Video equipment keys', p. 24.

-  **Select connected equipment**  
See p. 23.



Audio and Video equipment keys, see p. 24.

### Instant record

See Record with your recorder with EasyLink, p. 23.

### Time display

The time is displayed on the screen.


### Surround mode

#### Virtual Dolby Surround


Optimal with Dolby Surround signals. Enables you to experience the effect of Dolby Surround Pro Logic, reproducing a rear sound effect. See Sound menu, 3D effect, p. 12.


When you have connected a DVD player or a Laser Disc player (see Connect Peripheral Equipment, p. 21), you can enjoy Virtual Dolby Digital.


Note: You can make the same selection in the Sound menu, surround mode, p. 12.

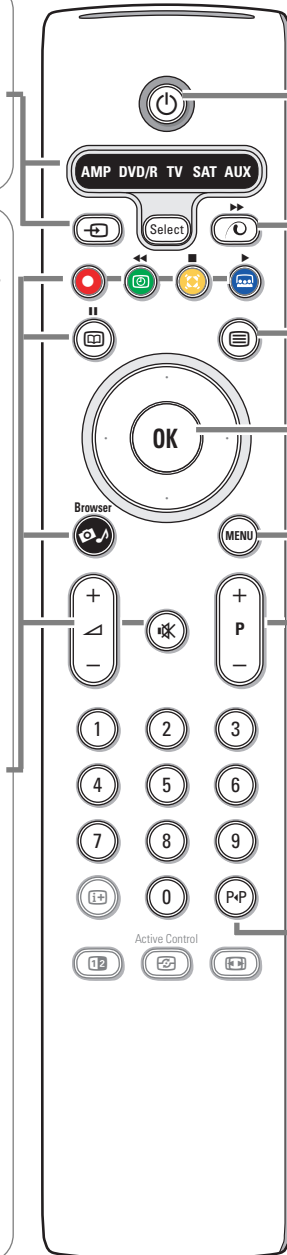
-  no function

-  **Text guide On/Off** see p. 16

-  **Browser menu On/Off**  
see p. 18.

-  To adjust the volume.

-  Interrupt the sound or restore it.



### Standby


Press to switch the TV on or off from on to standby mode.

When switched to standby, a red indicator on the TV lights up.

Note: the TV is never powered off completely unless it is physically unplugged.

### Pixel Plus demo on/off

Press to switch the Pixel Plus demo on or off. In the right part of the screen Pixel Plus is switched on.

-  **Teletext On/Off** see p. 15

- OK** Press this key
  - to activate your choice, when in the menus.
  - to display the programme list.

- MENU** Main menu on/off see p. 5

### P Programme selection

To browse through the TV channels and sources stored in the favourite list.

### 0/9 Digit keys

To select a TV channel.

For a two digit programme number, enter the second digit before the dash disappears.

### P+P Smart surf


With this key you can easily switch between 2 up to 9 different TV channels or sources. See General, Smart surf, p. 8. Press the **OK** key or wait for the time out to dismiss the Smart surf display.





### On Screen information


Press to display information (when available) about the selected TV channel and programme.

### Menu info


When a menu is on screen, press  to display info on the selected menu item.

### Dual screen

- 1 Press the  key to show Teletext on the right half of the screen.
- 2 Press the  key to switch off Dual screen.

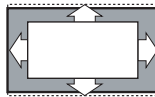
*Note: You can now enlarge a teletext page with the  key. See also p. 15.*

### Active control

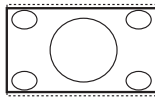
Press the  key to toggle between the Active Control values **Off**, **Minimum**, **Medium** or **Maximum** as defined in the Picture menu, p. 11. The picture settings are being optimised continuously and automatically and can not be selected. Press the **OK** key to switch off the menu.

### Picture format

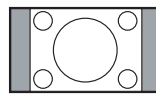
Press this key repeatedly or press the cursor up/down to select another picture format: Auto format, Super zoom, 4:3, Movie Expand 14:9, Movie Expand 16:9, Subtitle zoom or Wide screen.



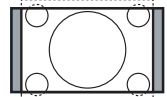
Auto format



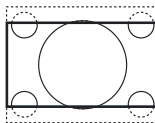
Super zoom



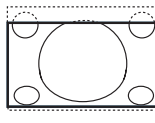
4:3



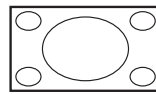
Movie Expand 14:9



Movie Expand 16:9



Subtitle zoom



Wide screen

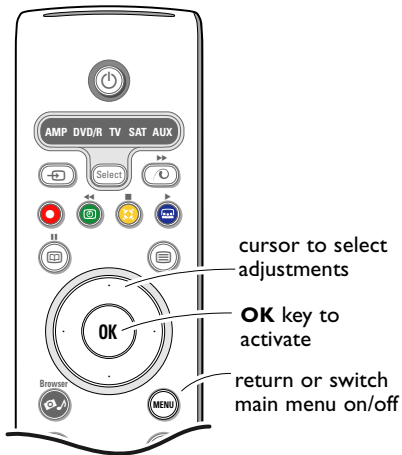
Auto format makes the picture fill the screen as much as possible. In case of subtitles in the bottom black bar, Auto format makes the subtitles visible.

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

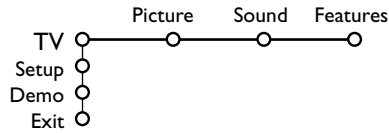
## To use the menus



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 or navigate to **Exit** and press the **OK** key.

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



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

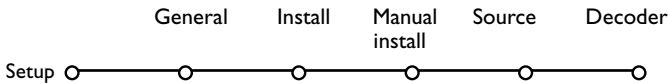
*Note: Sometimes not all the menu items are visible on the screen (indicated by a cluster of blue balls). Use the cursor down or right to reveal all items.*

- 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 can not be adjusted.*

## TV setup

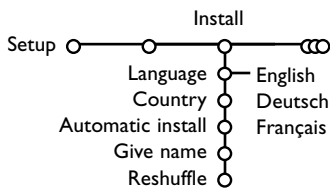
The Setup menu contains the following items:



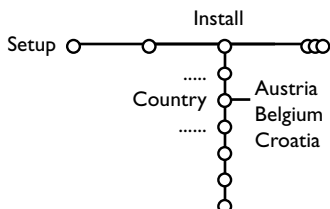
### EasyLink

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



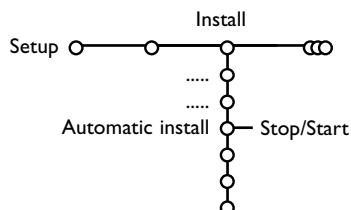
- 1 Press the **MENU** key on the remote control.
- 2 Use the cursor down to select **Setup**.
- 3 Use the cursor right to select **Install**.
- 4 Use the cursor down to select **Language** and press the cursor right to enter the list. Use the cursor up/down to select your preferred language. Press **OK** to activate.
- 5 Use the cursor down to select **Country** and press the cursor right to enter the list. Press **OK** to activate.
- 6 Select the country where you are now located. 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, see further).

### Automatic installation

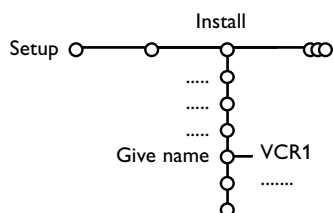


- 1 Select **Automatic install** in the Install menu.  
*Note: All channels must be unlocked in order to autoprogram. If requested, enter your code to unlock all channels. (See TV, Features menu, Childlock, p. 14.)*
- 2 Press the cursor right to start the installation.
- 3 The message **Searching** appears 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. 7.

*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.*

### 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.

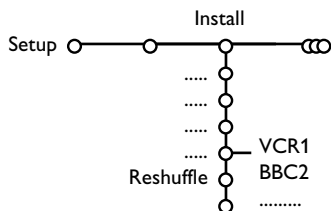
- 1 Select **Give Name** in the Install menu and press the cursor right.
- 2 Select the programme number.  
*Note: keep the cursor up/down pressed to scroll through the programme list quickly.*
- 3 Press the cursor right.
- 4 Select the character with the cursor up/down.
- 5 Select the following position with the cursor right.
- 6 Select the following character.
- 7 Press the **OK** key when finished.
- 8 Press the cursor left repeatedly when you have finished the name giving.
- 9 Select another programme number and repeat steps 3 to 7.

Space, numbers and other special characters are located between Z and A.



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## Reshuffle the programme list

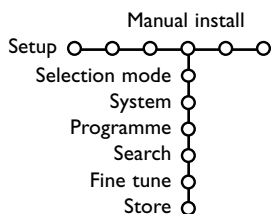


You can change the order of the stored TV channels.

- 1 Select **Reshuffle** in the Install menu.
- 2 Select the number you want to exchange.  
Confirm with the **OK** key.
- 3 Select the new number you want to exchange it with.  
Confirm with the **OK** key.

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## Manual installation



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

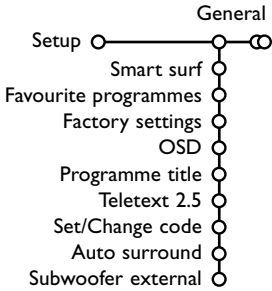
- 1 Select **Manual install** in the Setup menu.
- 2 Press the cursor down.

*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.

## General menu



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

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.

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 P+P key to toggle between the current and the previously selected channel,
  - **9 programmes** if you want the P+P key to summon a list of up to 9 channels which can be selected,

#### To add/remove a channel or source to the 9 programmes list:

Tune to the channel or source you wish to add or remove. Press the P+P 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.*

### Favourite programmes

- 1 Select **Favourite programmes**.
- 2 Press the cursor right to enter the programme list.
- 3 Select your programme number with the cursor up/down.
- 4 Press the **OK** key to make a TV channel favourite or not favourite.
- 5 Repeat 3 and 4 for every TV channel or external you want to make a favourite or a non-favourite.

### Factory settings

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

### OSD (On Screen Display)

- 1 Select **OSD**.
- 2 Press the cursor right to select **Normal** or **Minimum**.  
**Normal** to activate the continuous display of the programme number and extended display of TV channel and programme information on screen. **Minimum** to activate the display of reduced channel information.

*Note: When subtitles is switched on, see Features, p.14, display of the programme number is not possible.*

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## Programme title

Select **Programme title Yes** or **No**.

When selected **Yes**, after the selection of a TV programme or after pressing the **i+** key on the remote control, a TV channel which broadcasts teletext may transmit the name of the TV channel or the programme title.

## Teletext 2.5

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

- 1 Select **Teletext 2.5**.
- 2 Press the cursor right to select **Teletext 2.5 On** to take advantage of this feature.
- 3 Press the cursor right again to select **Teletext 2.5 Off** if you like the more neutral teletext layout.

The selection made is valid for all channels which broadcast teletext 2.5.

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

## Set/Change code

The Child lock feature (see TV, Features, p. 14) 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.

## Auto Surround

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

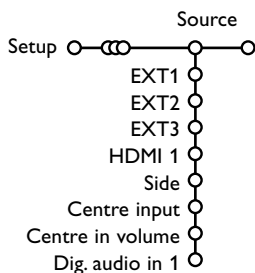
The TV automatically switches to the best surround sound mode when **Auto Surround** is switched **On**.

*Note: When Auto Surround is switched On and the analogue or digital input signal is Dolby Pro Logic encoded, the surround mode Virtual Dolby Surround is automatically selected as surround mode. This automatic selection can still be overruled.*

## Subwoofer external


Select **On** if you installed an external subwoofer. See Connect Peripheral Equipment, Connect extra subwoofer, p. 22.

## Source menu

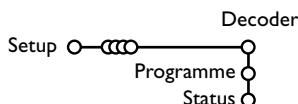


This menu allows you to indicate the peripheral you connected to one of the external inputs.

- 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. 3, and when you press the  key on the remote control.

## Decoder menu



If a decoder or a descrambler is connected, see p. 20, you can define one or more programme numbers as decoder programme numbers.

### Centre input - Centre in volume

When you have connected a surround receiver to the TV, see p. 21, the loudspeakers of the TV can act as centre speaker, making a separate centre speaker unnecessary.

Select **Centre input On**.

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.

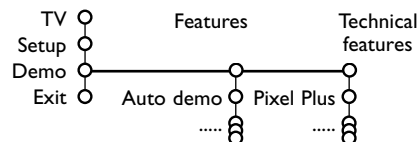
### Digital audio in 1

Select **Dig. audio in 1** when you connected your digital device together with the additional audio cable you connected to the **SPDIF IN** socket of your TV. See Connect peripheral equipment, Digital equipment, p. 21.

- 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 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.

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

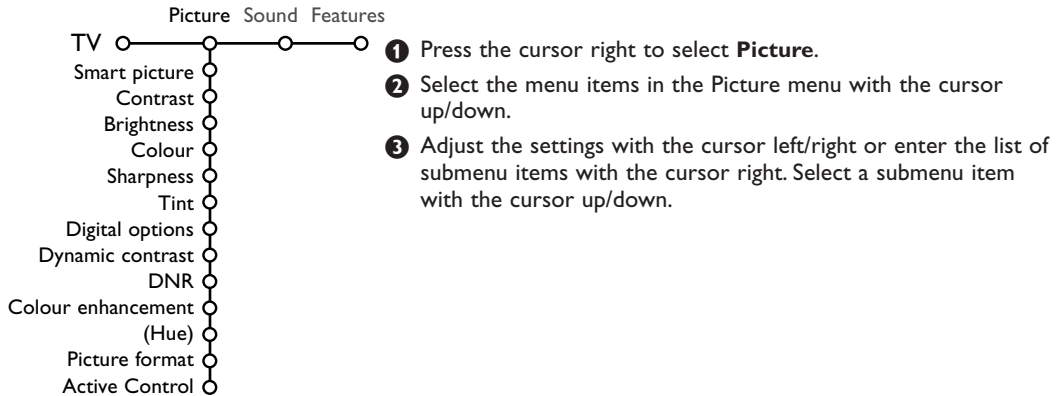
## TV menu

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

Note: Dependent on the input signal, one or more menu items may not be selectable.

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

### Picture menu



#### 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.

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

#### Digital options

Pixel Plus is the most ideal setting. Dependent on your own preference, select Standard.

#### Dynamic contrast

Sets the level at which the TV automatically enhances the details in dark, middle and light areas of the picture.

#### DNR

This sets the level at which noise is measured and reduced in the picture.

#### Colour enhancement

This makes the colours more vivid and improves the resolution of details in bright colours.

#### Hue

This compensates for the colour variations in NTSC encoded transmissions.

#### Picture format

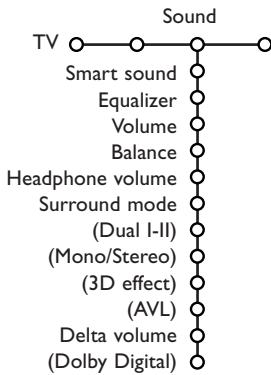
This will adjust the size of the picture dependent on the broadcast format and your preferred setting. See also Use of the remote control, Picture format, p. 4.

#### Active Control

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

- 1 Select **Active Control**.
- 2 Press the cursor right to enter the list of Active control values.
- 3 Press the cursor right repeatedly to select the Active Control values **Off**, **Minimum**, **Medium** or **Maximum**.  
The picture settings are being optimised continuously and automatically which is displayed by bars. The menu items can not be selected.
- 4 Press the **OK** key or wait for the time out to dismiss the Active Control display.

## Sound



- 1 Press the cursor right to select **Sound**.
- 2 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:

- Dual **I-II** is only available with dual sound transmission.
- Mono/Stereo is only selectable in case of analogue stereo transmission.

### Equalizer

This gives you the possibility to select the preferred sound frequencies which correspond with your personal sound settings.

### Volume

This will adjust the sound output level.

### Balance

This will adjust the output of the right and left speakers to obtain the best stereo reproduction for your listening position.

### Headphone volume

This controls the level of sound through the headphones.

### Surround mode

This selects the modes for more spatial or surround sound reproduction.

### Dual I/II

This will select, per channel, **Language I** or **Language II**, when dual sound transmission is available.

### Mono/Stereo

This selects, per TV channel, mono or stereo sound when analogue stereo broadcasts are available.

### 3D effect

Depending on the encoding of the signal, this will select the level of spatial effect in Virtual (3D) Surround mode.

### AVL (Automatic Volume Leveler)

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

### Delta volume

This allows you to correct for any permanent volume differences between TV channels or external sources.

---

## Dolby Digital


In case a Dolby Digital signal is detected, you may select the sound level.

Select **Dynamic** to keep the original sound level, **Standard** for a sound level with reduced loud and raised soft passages, **Compressed** for a raised average sound level with reduced loud/raised soft passages.



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

## Digital sound reception info via the key

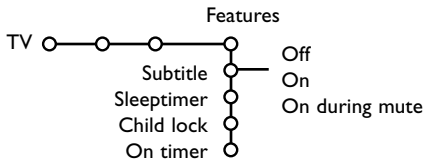
Press the  key.

When Digital sound is reproduced, the sound info on screen displays the number of signals which are encoded in the audio signal. This is indicated by 2 numbers: the first one indicates the number of front signals, the second one the number of rear signals.

This gives an indication of the possible quality of the surround reproduction.

*Note: The Virtual Dolby Digital TV will only reproduce the audio signals via the 2 integrated loudspeakers.*

## Features menu



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

Use the on-screen Menu-Info **i+** for more information about the menu items

### 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.

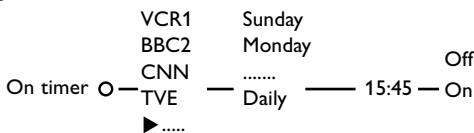
Select **On during mute** when you want to have the subtitles automatically displayed only when the sound has been muted with the **MUTE** key on the remote control.

### Sleeptimer

This sets a time period after which the TV automatically switches to standby.

### On timer

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

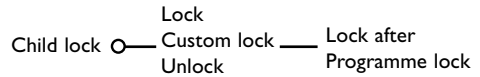


- 2 Press the cursor right again to enter the programme list.
- 3 Select the TV channel or external you want your TV to switch to on a selected time and day.
- 4 Press the cursor right again to select a day of the week or to select **Daily**.
- 5 Press the cursor right once again to enter the time with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

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

### 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. 9.**

- 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. Select:
    - **Lock after** if you want to lock all programmes from a certain time onwards. Press the cursor right and enter the time with the cursor up/down and right. Select **On** with the cursor right.
    - **Programme lock** if you want to lock a certain TV channel or external;
  - Select **Unlock** to disable all locks you have set.



## Teletext/Text guide

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. 17.)*

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 **i+**. 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.

### Picture/Teletext

- 1 Press the  key. Press the **12** key to show Teletext on the right of the screen.
- 2 Press the **12** key to switch off dual screen.

### 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.

### 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.


---

## Textguide

TV channels which broadcast teletext also transmit a page with the programme guide of the day. If the displayed teletext programme guide page, of the TV channel you have selected, satisfies the Video Programming via Teletext (VPT) requirements, it will be possible to record, remind or watch programmes.

- 1 Select the TV channel on which you want to execute a Textguide function.
- 2 Switch teletext **On**.
- 3 Select a programme guide page (e.g. TV guide page).
- 4 Press the  key.
- 5 Press the **OK** key.
- 6 Select a programme with the cursor up/down and press one of the function keys on the remote control.




*Note: Sometimes selected programme guide pages contain a page number with a 3-digit subcode referring to a page with more information about the programme. In this case you are back in normal teletext mode. To return to the previous page, press the **P+P** key or the  key on the remote control.*

- 7 Press the  key to switch the teletext off.

---

## Functions keys



The function items Record, Remind, Watch and Review, corresponding with the red ●, green , yellow  and blue  colour keys on the remote control, become highlighted at the bottom of the screen.

Select a programme item and press one of the functions keys.

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

**Remind:** to automatically switch on the TV if it is in standby or by displaying a message if the TV is on.

Notes:

- For the functions Record or Remind, a small menu pops up in which you can choose the interval: **once**, **daily** or **weekly**, or clear an earlier made recording or reminder. The default setting is **Once**. To confirm the frequency, press the **OK** key.

Use the cursor keys left/right to select the interval.

If the message **No channels has been found** appears, please select the channel and press **OK**.

- Tags (a red bar for record, a green bar for remind, appear next to a programme to indicate a recording or a reminder.

- Next to a selected programme you can set both a record and a reminder.

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

**Review:** this menu provides a list of programmes that are marked as reminders and those that have to be recorded. This menu can be used to change or remove marked programmes.

## Teletext menu

- 1 Switch teletext on and 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

You may create a list of eight favourite teletext pages in total, selected from various TV channels.

#### To add a favourite page to the list:

- 1 Select a favourite teletext page.
- 2 Select **Favourite** in the teletext menu and press the cursor right to enter the list.
- 3 Press the cursor right again to add the page.
- 4 Press the **MENU** key to watch the current page.

#### To watch a favourite page from the list:

When in Teletext, use the P4P key to browse through the favourite pages of the TV channel actually selected.

*Note: only the pages of the current channel can be selected.*

## Search

You may search for random words in the teletext pages.

- 1 Press the cursor right.
- 2 Select the character with the cursor up/down.
- 3 Select the following position with the cursor right.
- 4 Select the following character.
- 5 Press the **OK** key when finished.
- 6 When the word is found, it is highlighted in a teletext page. Press the **OK** key again for a next search of the same word.
- 7 To stop searching and to leave the teletext page displayed, press the cursor up repeatedly to leave the page and until the puck is on the page number again.

### Cycle subpages (if available)

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

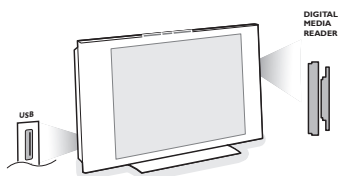
### Language

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.

## Digital Media Reader

Two memory card slots and a USB slot allow you to access data stored in the devices inserted. Different types of memory card can be read to have your JPEG images displayed on TV or to play MP3 and MP3 Pro audio files. (Compact Flash I & II, Memory stick, SD Card/Mini SD Card, Smart Media, Micro Drive, MultiMedia Card).



Notes:

- Only FAT/DOS-formatted memory devices are supported;
- If your digital camera is not supported, try one of the following solutions:
  - make sure your camera is switched on and verify if its configuration settings are correct (see the manual of your camera);
  - remove the memory card from your camera and insert it in the memory card slot.

Refer to [www.philips.com/support](http://www.philips.com/support) for more information.

- Philips cannot be responsible if your USB device or memory card is not supported.

With the Content Browser menu you are able to browse through the various files, directories, music and photo collections which are stored on the inserted memory card or the connected USB device. You can also setup a slide show or playback a playlist.



### Inserting a memory card / memory stick


Insert a memory card in one of the card slots at the right side of the TV.

In case of a memory stick or a digital camera connect it to the USB connector at the left side of the TV.

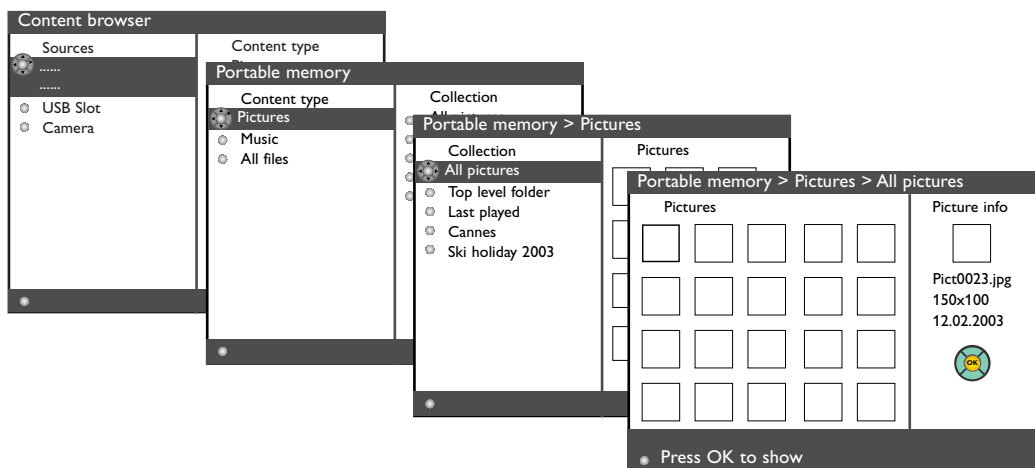
When a memory card or a USB device are inserted, the Content Browser menu is displayed automatically. See further.


### Removing the memory card / memory stick

**Recommended: do not remove when the content is being read or while browsing.**

First switch off the Content Browser menu with the  key on the remote control. Remove the card.

## Content Browser menu



- 1 Press the  key on the remote control after having inserted a memory card or USB device and switched on the TV.
- 2 On the left menu panel the highlight is set on the content name of the inserted memory device.  
The right menu panel has a list of various content type choices: pictures, music, all files.
- 3 Press the cursor right to enter the content type list.
- 4 Press the cursor up/down to select a content type list and press the cursor right.
  - If the highlight is on **Pictures**, the right menu panel will consist of all the pictures collections, which can either be an album or a directory, which contains JPEG images.
  - If the highlight is on **Music**, the right menu panel will consist of all the music collections, which can either be a playlist or a directory, which contains MP3 or MP3 (Pro) audio files.
  - If the highlight is on **All files**, the right menu panel will consist of all the files that are present on the memory device at the first level in the system hierarchy.
- 5 Press the cursor right again to enter an album, a playlist, a collection or a directory.  
The right menu panel shows all the images (thumbnails), songs, files that are contained in the selected collection in the left panel.








In case a picture collection is selected, press the **OK** key to start a slide show.  
In case a music collection is selected, press the **OK** key to start a loop playback.  
To stop a slide show, press the **OK** key.  
To stop a loop playback, press the green colour key on the remote control.

*Note: Your TV supports slide shows with background music. See [www.philips.com/support](http://www.philips.com/support).*

- 6 Use the cursor keys to select and press the **OK** key to view or to play.  
Press one of the colour keys on the remote control to perform the corresponding function mentioned at the bottom of the screen (to rotate a picture, to shuffle, to select the slide show interval,.....).  
If an audio file or a JPEG file is selected, the right menu panel will give a description of the audio file or a description and a preview of the JPEG image (the artist name, the album name, the duration, the title of the track and year for a MP3 file, the file name, the resolution and the date for a JPEG file).  
If an item in **All files** mode is selected, the right menu panel will contain information about the highlighted file.

*Note: If a not supported file (in **All files** mode) is selected, the right panel will give the name and the size of the file.*

### Following icons may appear:

	memory card		music
	USB device		all files
	folder		self made playlist/album
	pictures		

### Function keys at the bottom of the screen

<b>Rotate</b>	to rotate a picture;
<b>Hide/Show</b>	to hide or to show the function keys at the bottom of the screen ;
<b>Effect on/off</b>	to select a transition effect between the displayed pictures during a slide show;
<b>Timing</b>	to select the duration a picture will be displayed in a slide show;
<b>Pause/Resume music</b>	to pause a slide show. Also the background music will stop. Not background music will go on playing;
<b>OK</b>	to start a slide show or a loop play back;
<b>Shuffle</b>	to shuffle music collections in a random way;
<b>Repeat</b>	to repeat the playback of a music file.

## 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.

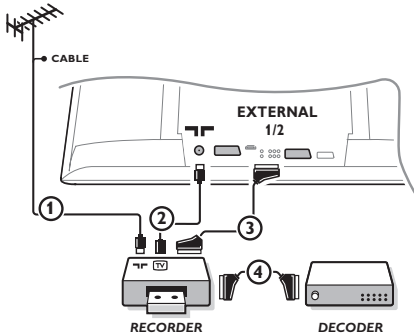
Note: **EXT1** can handle CVBS and RGB; **EXT2** CVBS, Y/C and RGB; **EXT3** CVBS; **HDMI** can handle VGA (640x480 via a DVI or HDMI connector) and 480p, 576p, 480i and 576i.

It is preferable to connect peripherals with RGB output to **EXT1** or **EXT2** as RGB provides a better picture quality.

Note: If your recorder is provided with the EasyLink function, it should be connected to **EXT2** to benefit from the EasyLink functionality.

### Recorder (VCR-DVD+RW)

Note: Do not place your recorder too close to the screen as some recorders may be susceptible to signals from the display. Keep a minimum distance of 0,5 m from the screen.

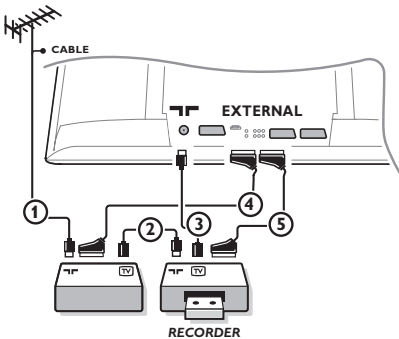


Connect the aerial cables ①, ② and, to obtain the optimum picture quality, eurocable ③ as shown. If your recorder does not have a euroconnector, the only possible connection is via the aerial cable. You will therefore need to tune in your recorder's test signal and assign it programme number 0 or store the test signal under a programme number between 90 and 99, see Manual installation, p. 7. See the handbook of your recorder.

### Decoder and Recorder

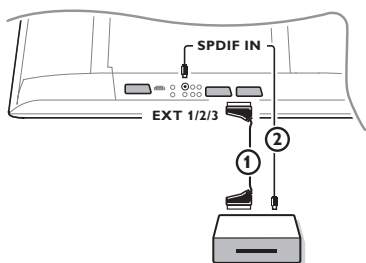
Connect a eurocable ④ to your decoder and to the special euroconnector of your recorder. See also the recorder handbook. See Decoder, p. 10. You can also connect your decoder directly to **EXT1** or **2** with a eurocable.

### Other equipment (except digital sources)



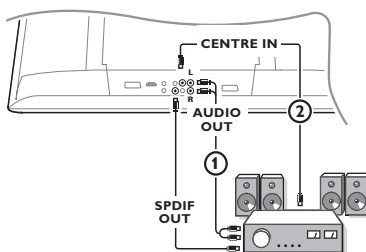
- ① Connect the aerial cables ①, ② and ③ as shown (only if your peripheral has TV aerial in-/output). Connect your equipment with a eurocable ④ or ⑤ to one of the euroconnectors **EXT1**, **2** or **3** to obtain a better picture quality.
- ② Look for the test signal of your peripheral in the same way as you do for a recorder.
- ③ 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,...)



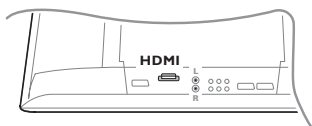
- 1 Connect your digital equipment with a eurocable ① to one of the euroconnectors (**EXT 1, 2 or 3**), or with a cinch cable or a S-VHS cable to the video input at the left side of the TV.
- 2 To enjoy Multichannel surround sound from digital sources with a Digital audio output also connect an audio cable ② to the **SPDIF IN** socket of your TV. Select **Dig. Audio in 1** in the Setup, Source menu, p. 10.
- 3 According to the connected digital equipment, select **REC, DVD, DVD-R, SAT, Game** or **Digital STB** in the Setup/Source menu. See p. 10.

## MultiChannel Surround receiver



- 1 Connect a MultiChannel surround receiver (with or without digital input connectors) to the **AUDIO OUT R** and **L** connectors at the bottom of your TV ①.
- 2 If you want the loudspeakers of your TV to act as centre speaker, also connect an audio cable ② to the MultiChannel surround receiver centre out connector and to the centre in connector at the bottom of your TV.
- 3 Select **Centre input On** in the Setup, Source menu. See p. 10. 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 **SPDIF OUT** connector.

## HDMI (High Definition Multimedia Interface) connector

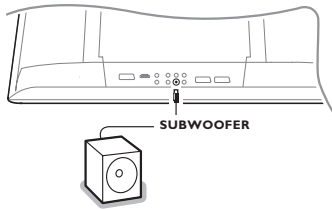


HDMI is the leading new standard for Digital video and audio interconnection. Eg. with a Digital Set top box or compatible DVD-R, AV receiver, with DVI-equipped devices like a PC (only 640x480 display mode), ...

Connect your HDMI device with the **HDMI** connector.

*Note: Due to legal requirements it is possible that with certain copy protected PCM audio qualities from a device connected to the HDMI input, the SPDIF output signal is muted.  
(This is not the case with the analogue AUDIO OUT output signal.)*

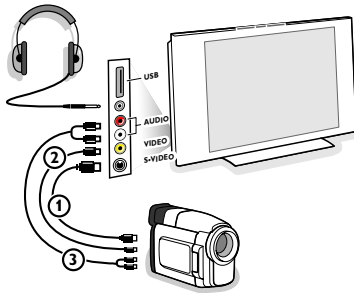
## Connect extra subwoofer



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 **SUBWOOFER** socket at the bottom of your TV.
- 2 Select **Subwoofer** in the Setup, General menu, p. 9.
- 3 Adjust the frequency of the external subwoofer to 100-120 Hz (according to your personal preference) if present on the subwoofer.
- 4 Adjust the volume level of the external subwoofer, presumed this control is present on the subwoofer.  
See also the instruction manual of the external subwoofer.



## 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.


### USB connector

Connect your device with a USB output connector (e.g. a digital camera, a USB memory stick) to the **USB** connector.



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## To select connected equipment

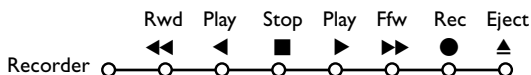
Press the  key on the remote control repeatedly, or select Source in the Setup menu (see p. 10) to select **EXT1**, **EXT2**, **EXT3**, **Side** or **HDMI 1** according to where you connected your equipment.

*Remark : Most equipment (decoder, recorder) carries out the switching itself, when it is switched on.*

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## Recorder with EasyLink

The recorder can be operated with the remote control via the **Recorder** menu on screen.



- 1 Press the **MENU** key on the remote control.
- 2 Select the **Recorder** menu with the cursor up/down.
- 3 Press the cursor left/right, up/down to select one of the recorder 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.*

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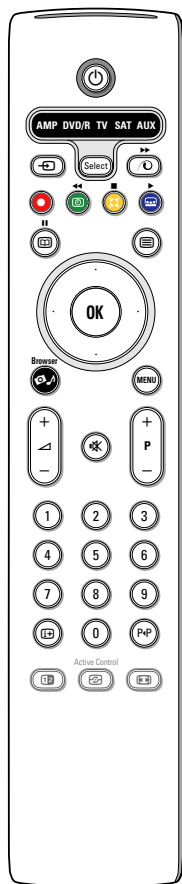
## Record with your recorder with EasyLink

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**, **EXT 3** or **Side**, you can not select another TV programme on the screen without disturbing the recording.*

## Audio- and video equipment keys



This system remote control operates the following Philips equipment: TV, VCR, DVD, DVD/R, SAT (RC5/RC6), AMP (+TUNER), CD, CD/R.

Press the **Select** key to operate any of the equipment indicated in the display (**AUX** = CD; **DVD/R** = DVD, **SAT** = SAT (RC5)). 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.

When you do not want the remote to go back to TV mode, and to stay in the mode selected, proceed as follows:

Select the desired mode with the **Select** key. Wait until no LED is lit. Press the **Select** key again simultaneously with the **OK** key for at least 2 seconds. The remote will not go back to TV mode from now on and will remain in the mode selected. To go back to the default setting of the remote (TV mode) repeat what is explained above, selecting the TV mode.

*Note: When the **Select** key is pressed and held 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 pause ( <b>VCR, DVD, CD</b> )<br>RDS news/TA ( <b>AMP</b> );<br>to shuffle play ( <b>CD/R</b> ) | - P +             | for chapter, channel, track selection  |
|  | for record  | 0 to 9            | digit entry  |
|  | for rewind ( <b>VCR, CD</b> );<br>search down ( <b>DVD, AMP</b> )                                   | P+P               | tape index ( <b>VCR</b> ),<br>select a DVD title/chapter,<br>select a frequency ( <b>AMP</b> ) |
|  | for stop  |                   | VCR timer  |
|  | for play  | cursor up/down    | to select the next or the previous disc ( <b>CD</b> )  |
|  | for fast forward ( <b>VCR, CD</b> );<br>search up ( <b>DVD, AMP</b> )                               | cursor left/right | to select the previous or following track ( <b>CD</b> )<br>search up/down ( <b>AMP</b> )       |
|  | RDS display ( <b>AMP</b> );<br>to select your choice of subtitle language ( <b>DVD</b> );           |                   |  |
|  | display information   |                   |  |

Additionally the **DVD/R**, **SAT** and **AUX** indicator can be programmed to operate the DVD-R, DVD + receiver, DVD-R + receiver, SAT (RC6), CD-R and VCR instead.

❶ Select **TV** with the **Select** key.


❷ To program

- **DVD-R**, press the **OK** key + digit 2;
- **SAT (RC6)**, press the **OK** key + digit 4;
- **CD-R**, press the **OK** key + digit 6;
- **DVD + receiver**, press the **OK** key + digit 7;
- **DVD-R + receiver**, press the **OK** key + digit 8;
- **VCR**, press the **OK** key + digit 9.

❸ Select the corresponding **DVD/R**, **SAT**, **AUX** indicator. The remote control will operate your DVD-R, DVD or DVD-R in combination with a receiver (**DVD/R**), SAT (RC6) (**SAT**), CD-R or VCR (**AUX**).

*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).*

## Tips

<p><b>Care of the screen</b></p>	<p>Do not touch, push or rub or strike the screen with anything hard as this may scratch, mar or damage the screen permanently.          And please do not rub with dust clothes with chemical treatment.          Do not touch the surface with bare hands or greasy cloth (some cosmetics are detrimental to the screen).          Unplug the TV before cleaning the screen.          When the surface becomes dusty, please wipe gently with absorbent cotton or other soft materials like chamois soaks.          Do not use acetone, toluene and alcohol because they cause chemical damage.          Do not use liquid cleaners or aerosol cleaners.          Wipe off saliva or water drops as soon as possible. Their long time contact with the screen causes deformations and colour fading.</p>
<p><b>Poor Picture</b></p>	<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, Manual installation, p. 7.</li> <li>• Are brightness, sharpness and contrast out of adjustment? Select Factory settings in the Setup, General menu, p. 8.</li> </ul>
<p><b>No Picture</b></p>	<ul style="list-style-type: none"> <li>• Are the supplied cables connected properly ? (The aerial cable to the TV, the other aerial to your recorder, the power cables.)</li> <li>• Has the child lock been switched off ?</li> <li>• Switch your HDMI-source to a correct display mode in case you have connected a HDMI device.</li> <li>• In case of weak or bad signal, consult your dealer.</li> </ul>
<p><b>Digital distortion</b></p>	<p>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.</p>
<p><b>No sound</b></p>	<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  ?</li> </ul>
<p><b>No solution found for your picture or sound problem ?</b></p>	<p>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.</p>
<p><b>Remote control</b></p>	<ul style="list-style-type: none"> <li>• Check if the remote control is in the correct mode.</li> <li>• If your TV no longer responds to the remote control, the batteries may be dead.</li> <li>• You can still use the <b>MENU</b> key and the -/+ keys on the right side of your TV.</li> </ul>
<p><b>Standby</b></p>	<p>Your TV consumes energy in the standby mode. Energy consumption contributes to air and water pollution. Power consumption: 1 W.</p>
<p><b>Miscellaneous</b></p>	<p>See Extras, Specifications on this CD.</p>
<p><b>Blinking red LED</b></p>	<p>Unplug your TV and then plug in again once.          No solution ? Check with your dealer or call a TV technician.</p>

## Software updates for your TV

Philips offers software upgrade capability for your TV using portable memory or USB storage compliant devices (e.g. USB memory stick).

The new firmware can be uploaded to the TV by yourself.

You can obtain the new software in two ways:

- download from the Philips website to your PC. Transfer it from your PC to the memory device;
- or ask your dealer for a memory card containing the latest update.

### Downloading:

- 1 Go to the [www.philips.com/support](http://www.philips.com/support) website on your computer.
- 2 Download the new software archive after you filled in the typenumber of your TV. See your TV manual or the typeplate on the TV.

### Prepare portable memory device:

- 3 Decompress the downloaded zip archive. Transfer it to the root of your portable memory device (including the directory structures).

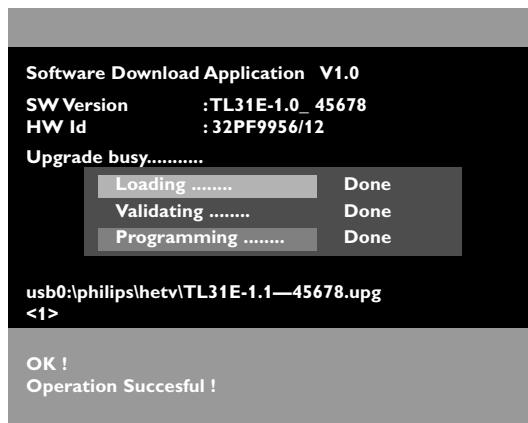
*Note: Only FAT/DOS-formatted memory devices are supported*

### Uploading:

- 4 Power off your TV and remove all inserted memory cards or USB devices.
- 5 Insert the portable memory that contains the updated software. Switch on your TV again.
- 6 At startup the TV will scan the memory card or USB memory until it finds the update content. The TV will go to the update mode (only English language available) and, after a few seconds, displays the status of the upgrade procedure.  
*Note: if you try to upgrade a software equal or lower than the current version, a confirmation will be asked during the procedure.*  
A message appears if the updating has been successful.

- 7 Switch off your TV with the power switch and remove the portable memory.
- 8 Power on the TV again. It will start up with the new software.

Example:



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

**Tabell över TV-frekvenser.**  
**TV-taaajuustaulukko.**  
**Κατάλογος συχνοτήτων πομπών.**  
**Список частот передатчиков.**  
**A televízió-adóállomások frekvenciáinak a listája.**  
**Lista częstotliwości stacji nadawczych.**  
**Seznam frekvenčních pásem vysílačů.**  
**Zoznam frekvenčných pásiem vysieláčov.**

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

FRANCE	
CAN_FREQ (MHz)	
2	55.75
3	60.50
4	63.75
5	176.00
6	184.00
7	192.00
8	200.00
9	208.00
10	216.00
B	116.75
C	128.75
D	140.75
E	159.75
F	164.75
G	176.75
H	188.75
I	200.75
J	212.75
K	224.75
L	236.75
M	248.75
N	260.75
O	272.75
P	284.75
Q	296.75
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

ITALY	
CAN_FREQ (MHz)	
A	53.75
B	62.25
C	82.25
D	175.25
E	183.75
F	192.25
G	201.25
H	210.25
H1	217.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
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 teledistribuzione possono essere differenti di quelle nella tabella. Consultate la società di 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 teledistribuição podem ser diferentes das indicadas na lista de frequências. Consulte a sociedade de teledistribuição 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 informa-tion.

**N**  
 Frekvensene som benyttes på 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 szükségese, 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**  
 Frekvencie 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.



# Annex : Philips Flat TV Slideshow Format

Notes:


- The latest version of this document can be found on the Philips support website ([www.philips.com/support](http://www.philips.com/support)). Use the type number of your TV (e.g. 32PF9956/12) to find this documentation and other related files.
- Philips can't be held responsible for any problems that may occur as a result of the content in this document. Errors reported to Philips will be adapted and published on the Philips support website as soon as possible.

---

## Introduction

This document explains how to make a Philips slideshow file with background audio. Be aware that the content of this document is addressing technical or software skilled users.

To start the slideshow open the slideshow file in the Content Browser of your TV.

- 1 Press the  key on the remote control after having inserted a memory card or USB device and switched on the TV.
- 2 Go to where you stored the slideshow file (.alb) on your portable memory.
- 3 Select the slideshow file and press the **OK** key to start the slide show.
- 4 To stop a slide show, press the **OK** key.

---

## General Rules

- The slideshow will use plain ASCII XML syntax to allow the creation and editing of the slideshow files using simple tools.
- All references to network content must be based on the global address of the content.
- Content on a Portable Memory (PM) doesn't have a global address; as a result content from a PM can never be referenced from a slideshow not stored on the PM itself.
- To maintain portability, a slideshow stored on a PM should **ONLY** reference content on the same PM. Referencing global addresses can result in inconsistencies if the PM is used on a non-networked CE device. The latter is however not forbidden, it is only a recommendation.
- It is preferable that URL's referencing PM content are based on a relative path starting from the directory where the slideshow is stored. This path includes the device or drive name of the PM.

An absolute path to content will also be supported.

- relative path: pictures\test1.jpg, tamper.jpg, ..\new\bird.jpg, ...
- absolute path: USB1:\pictures1\foo\_bar.jpg, C:\f1.jpg, \organisation.jpg, ...

## General Format

The format and syntax below will be used to create the slideshow file (simple ascii text) with the extension .alb (.ALB)

Examples: slshow1.alb, summer\_holiday\_2004.ALB, test.alb, ...

The following syntax should be used to create the text file:

```
<?xml version="1.0" encoding="ISO-885h9-1" ?>
<philips-slideshow version="1.0" >
  <title>Title of the slideshow</title>
  <audio>audio_url</audio>
  <slide-duration>30</slide-duration>
  <slides>
    <slide>slide_1_url</slide>
    <slide>slide_2_url</slide>
    <slide>slide_3_url</slide>
    <slide>slide_4_url</slide>
    <slide>slide_5_url</slide>
    <slide>slide_6_url</slide>
    ...
    <slide>slide_N-1_url</slide>
    <slide>slide_N_url</slide>
  </slides>
</philips-slideshow>
```

## Supported XML-tags

The following table gives a description of the XML syntax.

Tag Name	Use	Description
philips-slideshow	mandatory	Philips slideshow signature including the version.
title	optional	The title of the playlist.
audio	optional	The audio-URL following this tag will define the music playing in the background during the slideshow. A single song or playlist (.m3u & .pls) are the only valid audio references. Other reference will not result in any audio playback. If a single song is referenced the song will be repeated forever. If a playlist is referenced the playlist will be played in sequence with a repeat at the end of the playlist.
slide-duration	optional	The default display time (in 0,1 second) of a slide. The TV application isn't obliged to support this tag. The TV application can force the use of one or multiple predefined display times. (Not supported by the 32PF9956/12 TV set)
slides	mandatory	Identifies the slides to show.
slide	optional	Identifies the URL of the individual slide.



## Example

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<philips-slideshow version="1.0" >
  <title>Select this to start slideshow</title>
  <audio>USB1:\Philips_Digital_Image_Gallery\Nature_clip.mp3</audio>
  <slide-duration>80</slide-duration>
  <slides>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips001.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips002.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips003.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips004.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips005.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips006.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips007.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips008.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips009.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips010.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips011.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips012.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips013.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips014.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips015.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips016.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips017.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips018.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips019.jpg</slide>
    <slide>USB1:\Philips_Digital_Image_Gallery\Philips020.jpg</slide>
  </slides>
</philips-slideshow>
```