



Wall mounting instruction - Safety note

See supplied booklet.

Use the poster supplied as template to determine the location of the holes. Use at least two outside holes. The distance between the two outside holes is 16". Failing to do this may cause instability resulting in injury.

1. Wood stud installation

Drill holes into the centre of the wall studs.

Be certain to centre the two outside holes of the bracket over two adjacent studs.

Attach the mounting plate using the two or three centre holes in the plate.

2. Concrete wall installation

Drill the holes and secure the anchor bolts in accordance with the instructions for HILTI anchor bolts. Place the mounting plate on the anchor bolts. Place and tighten the washers and the nuts on the anchor bolts.

Note: Do not insert the power plug in a wall socket before all connection are made.

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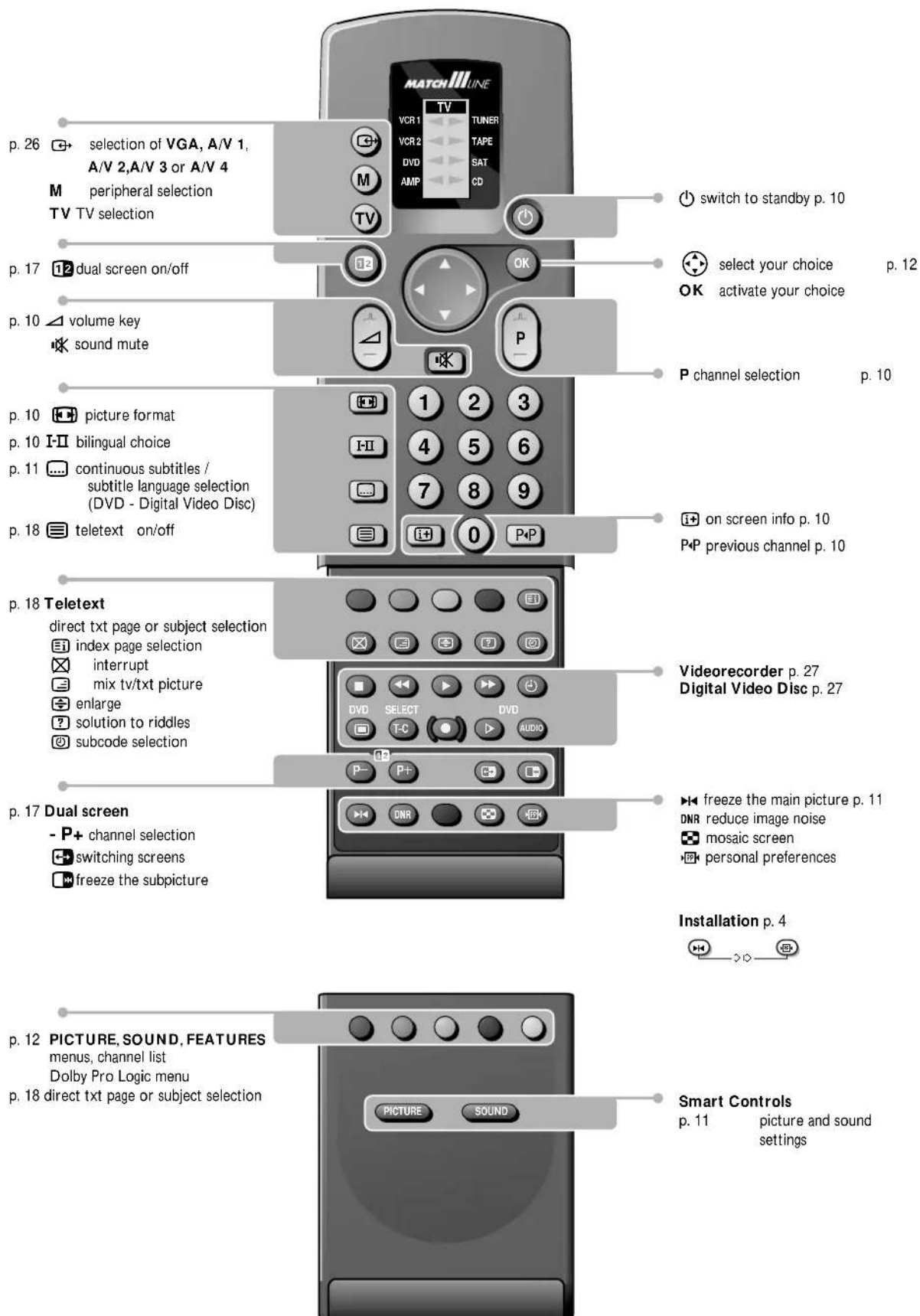
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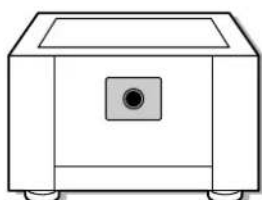
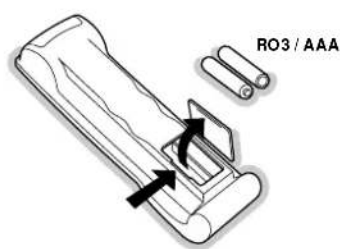
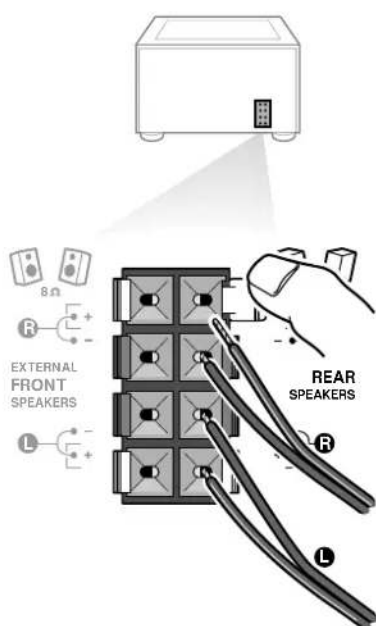
Your remote control



Preparation

Make sure that the wall mount (see wall mounting instructions supplied) is being fixed securely enough so that it can carry at least 50 kg.

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



- ❶ Place the receiver box wherever you want, but leave at least 5 cm space free all around the box for ventilation.

(E.g. on the ground, in a cupboard, behind a wall, in another room....)

- ❷ Connect one of the **supplied** aerial cables ❶, and the **DISPLAY POWER** ❸, **DISPLAY VIDEO** ❹, and **SUBWOOFER** ❺ cables as shown in the inside frontcover of this handbook.
Make sure all screws of the cables ❷ and ❸ are tightened well.

- ❸ Check if the red loudspeaker button at the back of the receiver is in the **INTERNAL SPEAKERS** position.

- ❹ Connect the two Surround Sound rear loudspeakers supplied ❺.
Always connect both Surround Sound loudspeakers: the left rear loudspeaker at **REAR L**; the right rear loudspeaker at **REAR R**.

Push the connector clip down and insert the end of the wire into the opening: the positive wire (the one with the black line) to the grey loudspeaker connection; the negative wire to the black loudspeaker connection. Do not insert the wires too far. The Surround Sound loudspeakers should always be located behind or to either side of the listener. If preferred you can also hang the loudspeakers on the wall.

- ❺ To connect your computer, see p. 24.
To connect other peripherals, see p. 20.
In order to obtain the best result, please use only the supplied antenna cables between the receiver box and videorecorder, and between videorecorder and antenna connector.

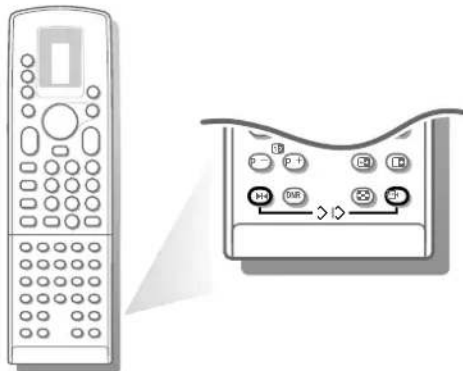
- ❻ Insert the mains plug supplied ❻ into the power socket at the back of the receiver and in the wall socket with a mains voltage of 110-240V.
Please, only use the supplied rim-earthed mains cord with its built-in suppressor to ensure safety and suppress EMC.

- ❼ Remote control: Remove the cover of the battery compartment.
Insert the 2 batteries supplied (Type R03G-1,5V).
Press the **TV** key next to the display to be sure your remote control is in the TV mode.

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

- ❽ **Switch TV on** : Press the power button ❶ on the front of the receiver.
A green indicator and the screen light up.
If the indicator is red, press the + P - key or a digit key on the remote control.

*The green indicator blinks every time you press a key on the remote control. When you switch on your set **for the first time**, the **MENU LANGUAGE** automatically appears on the screen. Alternatively the explanation appears in the different languages.*



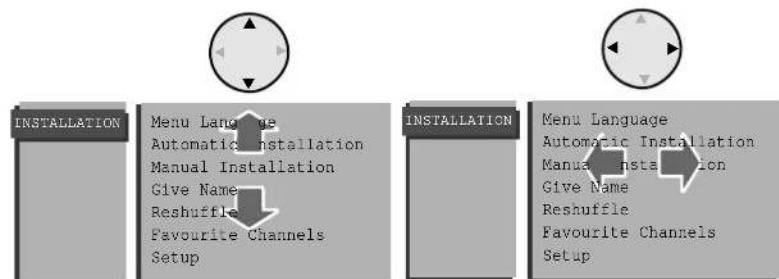
Installation

Select the INSTALLATION MENU

- 1 Open the door of the remote control.
- 2 Press **⏮** and **⏭** at the same time.

To use the menus

- 1 Use the **⬆** keys to select a menu or menu item.
- 2 Press the **OK** key to activate.
- 3 Press one of the colour menu keys on the door of the remote control to return or to switch menu off.



Store TV channels

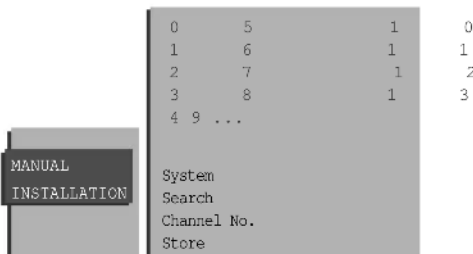
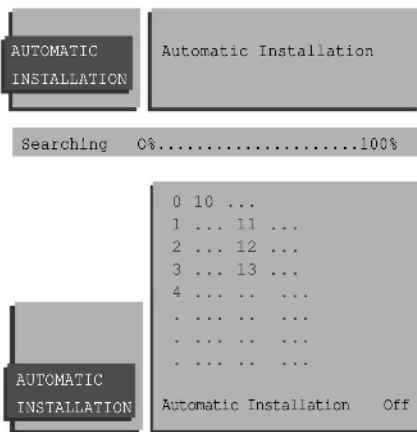
First, you have to select your language.

- 1 Select the **Menu Language** in the **INSTALLATION** menu and press the **OK** key.
- 2 Select your language and press the **OK** key.

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 and press the **OK** key.





Automatic installation

- ❶ In the Automatic Installation menu select **On** with the ◀▶ keys to activate the searching.
All TV channels are searched for and stored automatically.
Wait until the Searching bar at the bottom of the screen has disappeared.
- ❷ Press one of the colour menu keys on the door of the remote control to return to the Installation menu.

Manual installation

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

- ❶ **Select the system**
 - Select another system setting when there is intermittent sound due to weak signal or poor reception.
- ❷ **Search for a TV channel**

The frequency increases until a TV channel is found.
In case of poor reception, you can improve the reception by adjusting the frequency with the + P - key.

Direct selection of a TV channel

If you know the frequency, enter the 3 digits of the frequency directly with the digit keys 0 to 9.

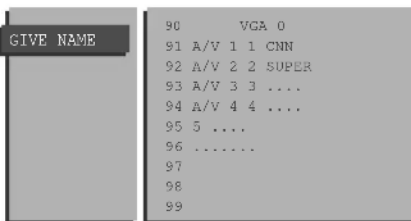
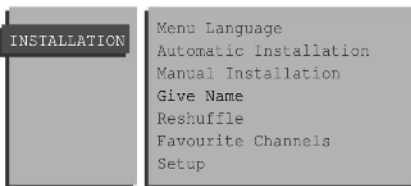
- ❸ **Enter the channel number**
- ❹ **Store steps ❶ to ❸**
 - Select **Store** and press the **OK** key.
- ❺ Repeat the steps ❶ to ❹ to store another TV channel.

To exit from the menu

- Press one of the colour menu keys on the door of the remote control.

Give name

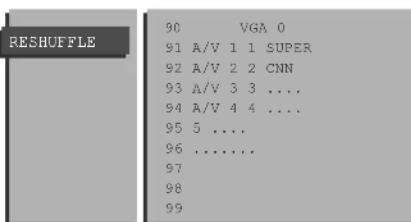
It is possible to assign a name to a TV channel. A name with up to 5 letters or numbers can be given to the channel numbers 0 to 99. For example SUPER, CNN,... Between 99 and 0, in the column in the middle, you can also name any peripherals that are connected.



- 1 Select **Give Name** in the **INSTALLATION** menu and press the **OK** key.
 - 2 Select the channel number.
 - 3 Press the **OK** key.
 - 4 Select the character with the **▲** or **▼** keys.
 - 5 Select the following position with the **◀** or **▶** keys.
 - 6 Select a following character.
 - 7 Press the **OK** key when finished.
 - 8 Press one of the colour menu keys to return to the **INSTALLATION** menu.
- A space, numbers or other special characters are located between Z and A.

Reshuffle the channel list

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

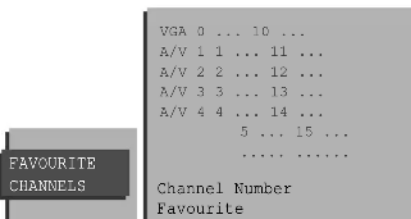


- 1 Select **Reshuffle** in the **INSTALLATION** menu and press the **OK** key.
- 2 Select the channel number you want to change.
*Use the **◀** or **▶** keys to select another column of the channel list.*
- 3 Press the **OK** key.
- 4 Select the new number.
- 5 Press the **OK** key again.
Repeat the reshuffling until all TV channels are allocated as you like.
- 6 Press one of the colour menu keys to return to the **INSTALLATION** menu.

Select Favourite TV channels

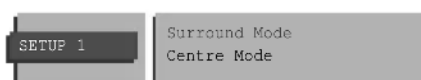
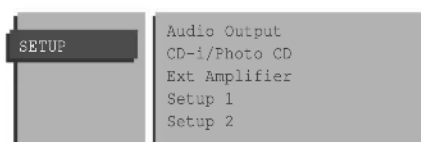
After leaving the installation you can browse through the TV channels by pressing the **+ P** - key. Only those TV channels which are in the favourite list will be displayed. The non-favourite TV channels can still be selected with the digit keys.

You can also do this for a channel number reserved for the channels you receive from your decoder.



- 1 Select **Favourite channels** in the **INSTALLATION** menu and press the **OK** key.
- 2 Select your channel number.
- 3 Select **Favourite**.
- 4 Select **Yes** or **No**.
- 5 Repeat **2** to **4** for every TV channel you want to change into a favourite or a non-favourite TV channel.
- 6 Press one of the colour menu keys to return to the **INSTALLATION** menu.

Install TV setup



- ❶ Select **Setup** in the **INSTALLATION** menu and press the **OK** key.
- ❷ Use the red menu key to return or to switch the displayed menu off.

Audio Output

If you have audio equipment connected to your receiver, you can select two types of audio output.

- Select **Variable** with the ◀ or ▶ keys if you want to adjust the volume via the TV when using your audio equipment to reproduce the TV sound signal. It is possible that the volume control of the audio equipment needs to be adjusted.
Select **Constant** if you want to adjust the volume with the volume control of your audio equipment or if you want to record the sound of a TV channel to an audio recorder (tape, DCC,...).

CD-i/Photo CD

See Connect Peripheral Equipment, Other equipments, p. 22.

External amplifier

This menu item can only be selected in case you did NOT select external loudspeakers (with the red loudspeaker button at the back in **INTERNAL SPEAKER** position).

- Select **No**: - if you did not connect an audio amplifier at the back of your receiver. The menu item Centre Mode in Setup 1 menu can not be selected;
- if you want to make a sound recording from your TV on an audio recorder. See also Audio Output;
- if you do not want to use the external audio amplifier for reproduction of the left and right channel of the Dolby signal.
- Select **Yes**: - if you connected an audio amplifier to **AUDIO L** and **R** at the back of your receiver (see Connect Peripheral Equipment, Audio Equipment, p. 22) and you want to enjoy even more impressive sound.
All TV loudspeakers only function as centre speaker and the speakers connected to the audio amplifier reproduce the left and right channel.
The menu item Audio Output can not be selected.
In the menu item Centre Mode in Setup 1 menu you can select either **Normal** or **Phantom** (the sound from the centre speaker is reproduced via the left and right loudspeakers of the amplifier).

SETUP 1

Surround Mode
Centre Mode

Surround Mode

According to the broadcast sound modes, select the Surround Sound possibilities:

Pro Logic with Dolby Pro Logic broadcasting. Nice effects can be reached in Pro Logic mode with good stereo broadcasts.

Dolby 3 Stereo if no surround speakers are connected or if oversynthesized sounds result in annoying surround effects.

Hall with mono or poor stereo broadcasting.

Off if you want to switch off Surround Sound.

Which loudspeakers are active, depends on the selected Surround mode. See Dolby Pro Logic Install, p. 14.

Note: If you have only connected a right and left external loudspeaker and no centre speaker, select Pro Logic and not Dolby3 Stereo in the Surround Mode menu item. See also Centre mode, Phantom selection.

Centre Mode (only selectable in Dolby 3 Stereo or Pro Logic when you have connected and selected external loudspeakers and if connected an external amplifier)

With internal speakers: the item centre mode can not be selected.

With external speakers: (external left and right loudspeakers and a centre loudspeaker. See Connect Peripheral Equipment, External Loudspeakers, p. 23)

Note : Do not forget to put the red loudspeaker button at the back of the receiver in the EXTERNAL SPEAKERS position.

- When in Surround Mode you have selected **Pro Logic**, you can select Normal, Phantom or Wide in the Centre Mode;
- When in Surround Mode you have selected **Dolby 3 Stereo**, you can select Normal or Wide in the Centre Mode;
- Select **Phantom** if no external centre speaker is connected;
- Select **Normal** if you have connected a small centre speaker which can not reproduce low frequencies (< 100 Hz);
- Select **Wide** if you have connected a full range external centre speaker.

SETUP 2

Information Line
Picture mute

Information Line

After the selection of a TV channel 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 channel name or another message which appears briefly in the information line at the bottom of the screen.

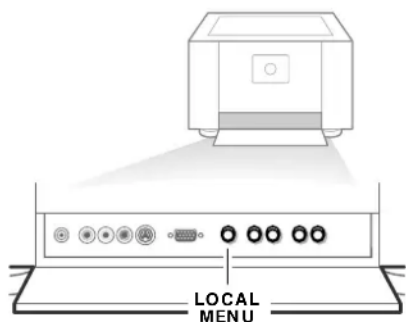
When selected **Off**, the information line will only appear after pressing the **i+** key, and not after the selection of a TV channel.

Picture mute

- Press the ◀ or ▶ keys to select a Blue or Black screen when there is no picture or information.
- Press one of the colour menu keys repeatedly.
The **INSTALLATION** menu reappears.

Fast exit from the menus

- Press one of the colour menu keys repeatedly to switch off all menus.



The keys in front of the receiver box

Should your remote be lost or broken you can still change some of the basic picture and sound settings.

- Press the **LOCAL MENU** key behind the door at the front of the receiver repeatedly to select **Volume**, **Brightness**, **Colour** or **Contrast**.
 - Press the **Volume** - or + key to adjust the chosen selection.
- The **CHANNEL** - and + keys enable you to select the TV channels.

Note: If the message Child Lock On appears, the child lock must be switched off before you can use the CHANNEL - and + keys on the receiver to select a TV channel. See p. 15.

The selected adjustment automatically switches off when after 10 sec. no action has been executed.

Use of the remote control

Select your computer or external A/V sources

Press this key repeatedly to select **VGA**, **A/V 1**, **A/V 2**, **A/V 3** or **A/V 4**, according to where you connected your peripherals (see p. 26).

M Mode selection

Press this key repeatedly to indicate the peripheral equipment you want to operate with the remote control.

TV TV operation

Press this key to use the remote control directly in the TV mode.

Dual screen See p. 17

Picture format

Press the  key repeatedly to select another picture format: 4:3, Movie Expand 14:9, Movie Expand 16:9 with or without subtitling, Super Wide, Wide Screen or Auto Format.

When in Movie Expand 14:9 or 16:9 picture format, you can make subtitles visible or not with the  or  keys.

Sometimes video recorders or TV channels carry special signals which will automatically switch the TV to the correct screen format.

Selecting Auto format, the screen will be filled as much as possible with the picture when TV channels are not carrying special signals detecting the correct screen format. Auto format is disabled when in Dual Screen.

Note: In VGA mode press the  key to switch between a 4:3 or a 16:9 picture format.

In Dual screen mode press the  key to switch between a full or a squeezed picture format.

I-II Bilingual choice and sound mode selection

Press this key

- to switch from **Stereo** to **Mono** sound, in case of stereo transmission or
- to switch from **Digital Sound** to **Digital Sound available**, in case of digital transmission;
- to choose between language **I (Dual I)** or language **II (Dual II)**, in case of bilingual transmission.

The setting is stored for each TV channel separately.

Standby

The set is switched to standby and the red indicator lights up in front of receiver box and the screen.

To switch the TV on again, press - P + or the digit keys.

Your TV consumes energy in the standby-mode. Energy consumption contributes to air and water pollution. We advise to switch off your TV overnight instead of leaving it on standby. You save energy.

Volume

The volume is adjusted. If you want to store the volume adjustment in the memory, see the Features menu, General PP store, p. 15 to store the same volume adjustment for all the stored TV channels.

P Channel selection

To browse through the TV channels activated in the Favourite Channel menu. See p. 7.

Mute key

Interrupt the sound or restore it.

0/9 Digit keys

To select a TV channel.

For a two digit channel number, enter the second digit within 2 seconds.

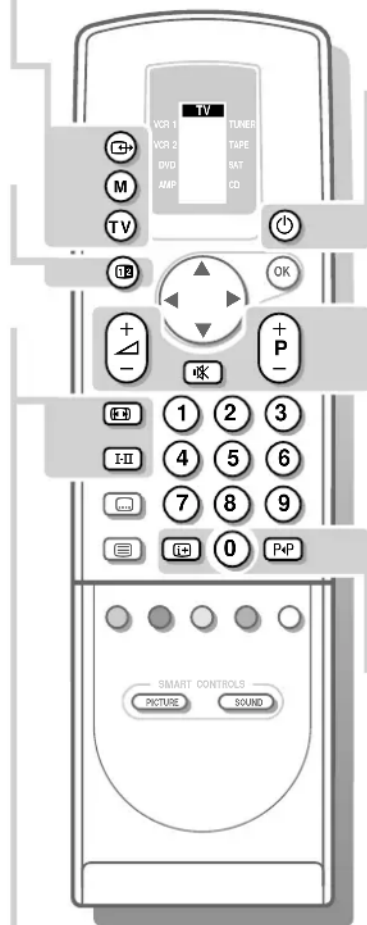
P<P Previous channel

The previously selected TV channel is displayed.

Permanent channel number Screen information

Press for 5 seconds to activate/de-activate the continuous display of the channel number.

Press briefly to display information about the selected TV channel and channel, the sound reception, the selected DNR setting and picture format and the remaining time set with the sleep timer.



Continuous subtitles

TV channels with teletext often transmit certain channels with subtitling. Switch on teletext and select the proper subtitle page from the index. Press  to store the subtitle page. Switch off teletext. Every time a channel of the selected TV channel is subtitled, the subtitling will be available for that channel. Press  to switch subtitles **On** or **Off**. When switched on and the subtitle symbol appears, there are no subtitles available for that channel.
Note: subtitling is not available when in Dual Screen mode.

Teletext on/off p. 18

Smart Control keys

To select predefined picture and sound settings. (Not in VGA-mode)

Picture

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

Sound

Each time it is pressed, a different sound setting is selected, corresponding with a specific predefined setting of Treble and Bass values in the Graphic Equalizer.

Personal refers to the personal preference setting of picture and sound which you have stored with **General PP store** in the **FEATURES** menu, p. 15.

The smart picture and sound settings are set to **Manual** until the personal adjustments are stored or you switched the TV off and on again.

Video recorder keys see p. 27

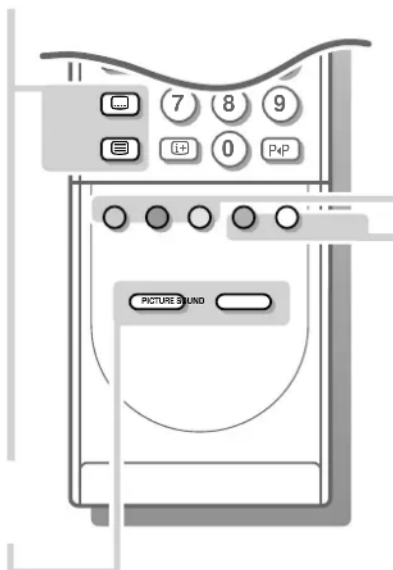
DVD keys see p. 27

Freeze

When pressed, Dual Screen is activated and the displayed picture is frozen on the right side of the screen. Press again to de-activate the frozen picture.

DNR Digital Noise Reduction

To reduce the image noise and improve picture quality when receiving weak signals. Press this key to select **DNR min**, **DNR med** (optimum picture quality for normal strength signal), **DNR max** (for poor picture quality) or **DNR off**.



PICTURE menu (red key)
SOUND menu (green key)
FEATURES menu (yellow key)

Channel list

Press the blue key to select the channel list. Select the desired TV channel with the  keys and press **OK**. Channel numbers from the favourite list are displayed in white characters. Channel numbers which are not in the favourite list are displayed in black. The current TV channel on the screen is indicated with a black block.

Dolby Pro Logic Install menu

See p. 14.

Time display

The time, downloaded from the TV channel (with teletext) stored on channel number 1 or under the lowest favourite channel number, is displayed in the upper left corner of the screen.

This function is not available when continuous subtitles have been switched on.

Mosaic screen

A menu line **MOSAIC** appears. Select the desired function with the  or  keys and press the **OK** key.

Scan: the TV channels placed in the favourite list appear subsequently.

Press the **- P +** key to select a next series of 12 channels. Press the  key to make the main picture in the centre of the screen equal to the active small picture. The active TV channels, indicated by a red border, can be selected immediately with the **OK** key.

Photo Finish: the main picture is displayed in successive frozen pictures.

Press the **OK** key again to have a new sequence of frozen pictures.

Strobe: the picture is reproduced image by image.

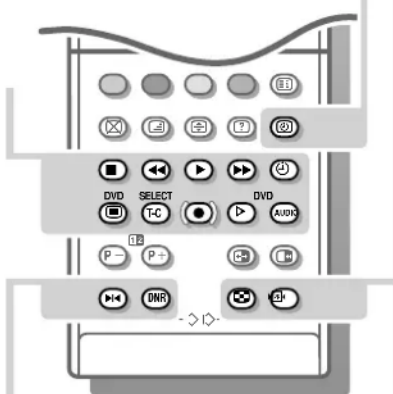
Press the **OK** key again to have a faster speed.

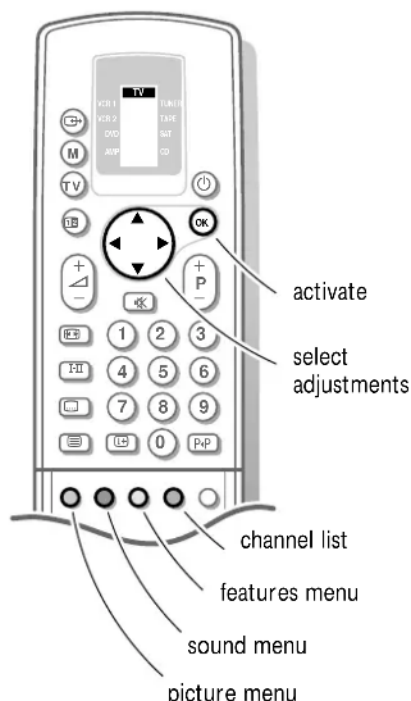
Press  to switch off the mosaic screen.

Never perform a scan while recording a TV channel with a video recorder recording from MONITOR OUT, since the scan will be recorded on tape.

Personal Preferences

Restore picture and sound settings, stored in the features menu (see p. 15).





Use of the menus

- 1 Press the red, green or yellow colour key to display/cancel the **PICTURE**, **SOUND** or **FEATURES** menu.
- 2 Use the key to select a menu item.
- 3 Press the **OK** key to activate.
- 4 Press the same colour key again to return or to switch menu off.

Picture menu

When you are watching a TV channel in the NTSC system, or if a NTSC peripheral is connected, the option Tint also appears and can be adjusted.

- Store the modified adjustments for Contrast, Brightness, Colour and Tint for all TV channels with **General PP store** in the **FEATURES** menu.

Sharpness (not selectable in VGA mode)

You can adjust the Sharpness for each TV channel separately.

Colour Temperature

- Select the colour temperature: **Normal**, **Warm** or **Cool**.

VGA

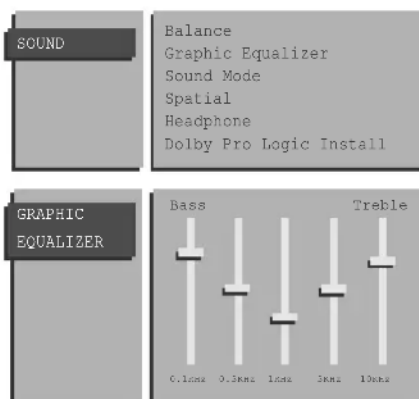
- Switch your computer on.
- Select **Rear** or **Front** in the **VGA Input** of the **FEATURES** menu (see p. 16), according to where you connected your computer, to the back or to the front of the receiver.
The selection of the computer display mode (640x350, 640x400, 640x480) is made automatically.
If it is necessary you can optimise the position of the picture from your computer per VGA mode.
- Select **VGA** with the **▲** and **▼** keys.
- Select with the **◀** or **▶** keys the adjustments of the picture :
 - **Horizontal Shift** to adjust the picture position horizontally
 - **Vertical Shift** to adjust the picture position vertically
- Press the **◀** and **▶** keys to alter the selected adjustment.
The **VGA** menu disappears and only the selected menu item remains (including its bar) on the screen.
The **VGA** menu reappears after a few moments or by pressing **OK**.
Now you can select another adjustment with **▲** and **▼** keys.
The adjustments made in the **VGA** menu are automatically stored after the menu is switched off.

Note: When the VGA signal is not recognisable and > 35 KHz is displayed, the picture is muted.

FEATURES	Sleeptimer Child Lock General PP store Message Timers VGA Input
PICTURE	Contrast Brightness Colour (Sharpness) Colour Temperature (VGA)
VGA	Horizontal Shift Vertical Shift

Sound menu

- Store the modified adjustments for Balance, Treble and Bass values from the Graphic Equalizer menu and Spatial, as well as the headphone volume and balance for all TV channels with **General PP store** in the **FEATURES** menu.



Graphic Equalizer

The sound style of the Smart Sound Control is set to Manual until the personal graphic equalizer settings are stored and until you switched your TV off and on again.

Sound mode

Your TV will choose between stereo or digital sound depending on the sound the TV channel transmits, unless you make a sound choice. In case of weak stereo or digital sound signals, due to the transmission, select analogue or mono.

Select Spatial sound

When Spatial On is selected, it seems as though the loudspeakers are spread further apart from one another.

You get a spatial sound effect. The setting for Spatial is stored per TV channel.

Headphone

See Connect Peripheral Equipment, p. 23, for the connection of the headphone.

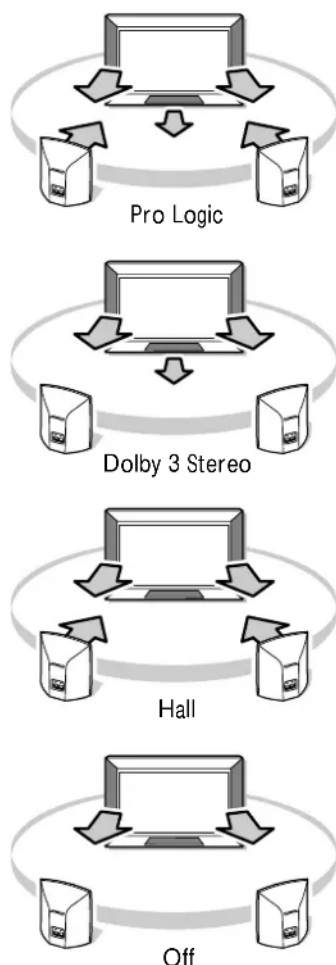
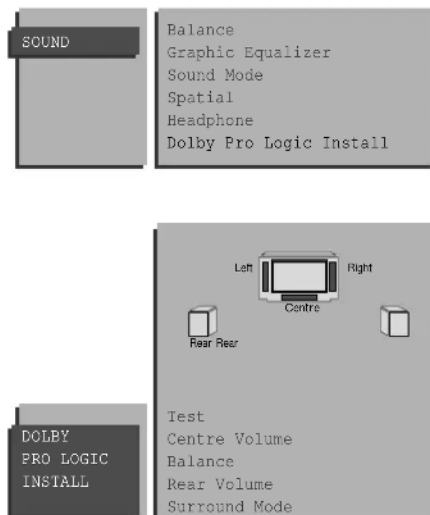
Select the source you want to listen to with your headphone: **Automatic**, **TV**, **A/V 1**, **A/V 2** or **A/V 3**.

- Select **Automatic** if you want to listen to the sound of the picture you are watching on the screen.

Note: in the Dual Screen picture, you will only hear the sound of the left picture through your headphone, except if a picture from a connected peripheral has been selected.

- Select **TV** when you want to listen to the sound of a TV channel or an external via your TV tuner and watch a channel via your video recorder or other peripheral.
E.g. you can watch a film from your video recorder, but listen to the commentary of a broadcasted football match.
- In all other cases select the source where you connected your equipment.
The equipment should be switched on, but you don't need to watch it.





Dolby* Pro Logic Install

Adjust the volume balance level of the loudspeakers

Most channels will sound good with the volume balance between the centre, left, right and rear loudspeakers in an equally loud position.

However, some channels may benefit from an adjustment of the level of the respective speakers.

Which loudspeakers are active depends on the selection you have made in the Setup menu, p. 7, or on the Surround Mode selection you make below.

- ❶ Select **Pro Logic** in Surround Mode of the **DOLBY PRO LOGIC INSTALL** menu.
The Dolby Pro Logic menu can also be selected directly with the white key on the remote control.
- ❷ Select **Test On**.
A steady noise tone is switched sequentially through the left, centre, right and rear loudspeakers, for 2 seconds each. This enables you to adjust the volume of the separate loudspeakers.
The loudspeakers activated light up in the on screen graphic.
- ❸ Select **Centre Volume**, **Balance** or **Rear Volume** and alter the selected adjustments until all loudspeakers sound equally loud from the listeners position.
- ❹ Switch **Test Off** again.

Surround mode

According to the broadcast sound modes, select the Dolby Surround Sound possibilities:

Pro Logic (with Dolby Surround encoded broadcasting or video material)

In addition to the left and right front speakers, the centre and the rear surround loudspeakers reproduce the Dolby Surround Pro Logic sounds when the movie or channel is marked with **Dolby Surround**.

This mode is especially recommended for such channels or movies.

Dolby 3 Stereo (using only the 3 front loudspeakers for enhanced stereo reproduction)

Note there is no Dolby 3 Stereo sound signal.

This mode is intended if no rear surround loudspeakers are connected although you may wish to take advantage of the benefits of surround sound.

The Dolby Surround encoded sources are reproduced from the left, the right and the centre loudspeakers. Surround information is now reproduced in the left and right front loudspeakers.

Hall (without Dolby Surround broadcasting)

This mode is recommended when you wish to add surround sound to a broadcast which is not encoded Dolby Surround or to a mono or poor stereo broadcast. The centre loudspeaker does not produce any signal.

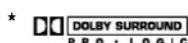
Off

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

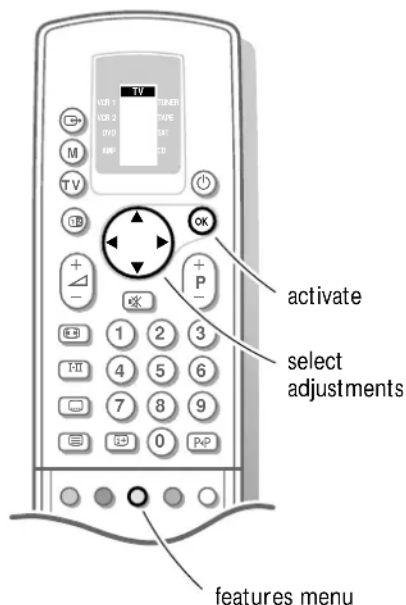
This mode is recommended if no surround sound is desired or if there is no surround broadcasting.

You only hear a stereo sound if the broadcast which you are watching or listening to is transmitted in stereo or digital sound.

- Press the green menu key repeatedly to switch off the menu.



* '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

- 1 Press the yellow key to display/cancel the **FEATURES** menu.
- 2 Use the key to select a menu item.
- 3 Press the **OK** key to activate.

Sleeptimer

With the sleeptimer you can set a time period after which the TV should switch itself off to standby.

The counter can be adjusted from **Off** up to max. **180 min.** or from **180 min.** down to **Off**. One minute before the TV is set to go to standby, the remaining seconds and the message **Good Night** appear on screen. You can always switch off your set earlier or change the set time.

Child Lock

If the child lock is on, the TV can only be switched on with the remote control.

The keys **P** - and **+** behind the front door of the receiver cannot be used to select a TV channel. In this way you can prevent unauthorised use of your TV. If the message **Child Lock On** appears, the child lock must be switched off before you can use the **P** - and **+** keys on the receiver to select a TV channel.

General PP store

The adjustments of Contrast, Brightness, Colour and Colour Temperature made in the picture menu and the adjustments of Volume and Balance (of the internal speakers) and Graphic Equalizer made in the sound menu and Volume and Balance in the headphone menu can be stored in memory for all the stored TV channels.

Message

With this function you can enter a personal message on 2 lines which will be displayed automatically when the set is switched on from standby. For example: I'll be late this evening. Don't wait for dinner.

Change

- Select with the **▲** or **▼** keys the letter or number you want to enter.
- Select with the **▶** key the next position.
- Press the **OK** key when you have entered the complete message.

Clear

- Press the **OK** key to remove a previous message.

Run

- Press the **◀** or **▶** keys to select the display frequency: **Continuous** or **No**.

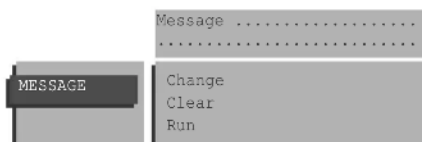
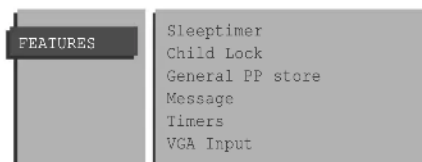
Display message

- Switch the TV to standby.

The message appears on the screen when the TV is switched on again.

If you selected **Continuous**, the message will appear on the screen until the display frequency is switched off in the Message menu.

The message does NOT appear when Continuous subtitles have been switched On. See p. 11.





Timers

With the Timers menu you can make your TV automatically switch to a specific channel number from standby or switch over to a different channel number at a specific time and date.

Actual time

If you have installed a TV channel which also broadcasts teletext on channel number 1 or under the lowest favourite channel number, the time is downloaded from that TV channel.

If this is not the case you have to set the time manually with the digit keys. The time, entered manually is updated every minute and remains until the TV is switched off with the power key ①.

Channel

- Enter with the digit keys the channel number of the TV channel you want your TV to switch over to.

Start time

- Enter with the digit keys the start time of the selected TV channel number you want your TV to switch over to.

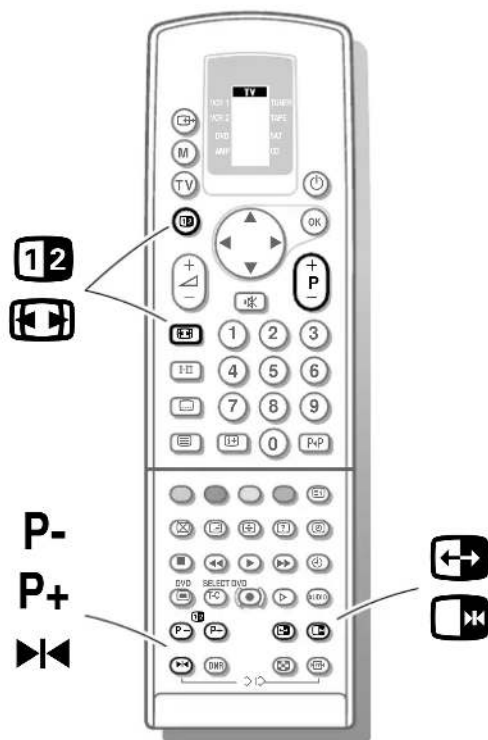
Cancel timer

- Select **Cancel timer** and press **OK** to reset the Start time to --:--.

VGA Input

- Select **Rear** or **Front** according to where you connected your computer, to the back or to the front of the receiver.

Dual Screen



- 1 Press the **12** key to switch on Dual Screen.
The TV screen will be divided in 2 different pictures.
The picture on the left side is the selected TV channel.
The picture on the right side is the picture from the TV channel in the favourite channel list following on the selected TV channel or from a peripheral.
- 2 Press the **P-** key to select a vertical squeezed or a non vertical squeezed picture size.

Select left and right pictures

- 1 Press + P - next to the **TV** keys to run through the TV channels and the peripherals in the left picture.
- 2 Press the dual screen **P -** or **P +** keys **under the door of the remote control** to select the TV channels or an external in the right picture. Also TV channels which are not in the favourite list may be selected.
Pressing the dual screen **P -** or **P +** keys for 3 seconds, starts auto scan down or up of the TV channels and the peripherals in the right picture.
Press again to stop the auto scan.

Remarks

- Channels in the subpicture via a peripheral (e.g. videorecorder) can be heard via the headphone.
- VGA can not be displayed in Dual Screen mode.
- On screen sound information of the left main picture appears in the right upper corner.

Switch screens

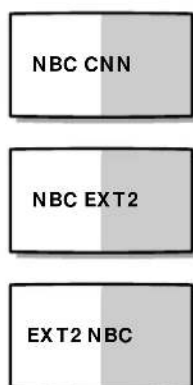
Press the **↔** key to swap the right and left picture. The sound is swapped as well.

Select still picture

- Press the **⏏** key to get a still picture of the left picture on the right side of the screen.
- Press the **⏏** key again to de-activate the still picture and the dual screen mode.
- Press the **⏏** key to freeze only the channel in the right picture.
- Press the **⏏** key again to de-activate the still picture. The screen remains in dual screen mode.

Possible Dual Screen combinations

- TV channel/TV channel
See Select left and right pictures.
- TV channel/Peripheral
See Select left and right pictures.
- Peripheral/TV channel
See Select left and right pictures.



Teletext

Most TV channels broadcast information via teletext. Each channel which broadcasts teletext transmits a page with information on how to use its teletext system. Look for the teletext page with the main index (usually p. 100). TV channels are sometimes subtitled for the hard of hearing.

Depending on the TV channel, teletext is transmitted in different systems. The colours used at the right side of the screen correspond with the coloured keys of your remote control.

About the Easy Text system

The Easy Text system considerably reduces the waiting time (on condition the teletext broadcast of the particular TV channel is switched on for at least half a minute) by :

- a **direct selection** of previous and following pages which are in transmission and of the pages referred to at the right side of the screen
- a **habit watcher list**: frequently used pages are put in a list of preferred pages, so that they are immediately available afterwards
- the **precapturing of the page numbers** referred to in the displayed page
- the **precapturing of all the subpages**.

Switch Teletext on and off

- Press  to switch on or off the teletext. The main index page appears on the screen together with an information line at the top and the option possibilities at the right side of the screen. *Dual Screen is disabled in Teletext mode.*

Select a Teletext page

With the digit keys

- Enter the desired page number with the digit keys. The page counter seeks the page or the page appears immediately when the page number has been stored in the memory. *A message appears when you have entered a non existent or an incorrect page number. Page numbers beginning with 0 or 9 do not exist. Choose another number.*

With the options line

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

Quickly run through the teletext pages

- Press  or  or **- P +** to run through the previous or the following pages.

Select the previously selected txt page

- Press the **P+P** key.





Select the index teletext page

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

Only for the T.O.P teletext broadcasts :

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

- Press . A T.O.P. overview of the teletext subjects available appears. Not all TV channels broadcast the T.O.P. teletext. When the teletext system is not T.O.P. teletext, a message appears at the top of the screen.
- Select with the keys the desired subject and press the **OK** key.

Select subpages

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

The indicated number at the right side of the screen refers to the displayed subpage.

The other subpages can be selected in 2 ways :

1. With the ▲ or ▼ keys.

The other subpage numbers appear in the bar in white as soon as the transmission has found them. They are stored in the memory so that they are available while the teletext page is on screen.

- Select with the ▲ or ▼ keys the previous or the following subpage.

2. By adding a subcode:

- Press . Enter the desired subpage with the digit keys : e.g. 3 for the third page of seven subpages.
The TV searches for the selected subpage.

Automatically rotating subpages:

- Press again to cancel the subcode. The subpages rotate automatically.
- Press again. A bar with the available subpages appears.
- Select the subpages with the ▲ or ▼ keys.

Special teletext functions

Interrupt

- Press and the TV channel appears.
The display indicates that you are still in the teletext mode. You can select a page number.
- Press again to display the teletext page.

Mix

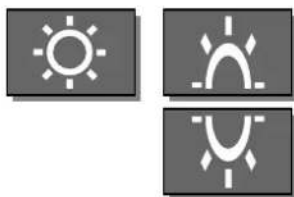
- Press to overlay the teletext page on the TV channel.
- Press again to display only the teletext page.
Mix is also possible in Dual Screen mode.

Enlarge

- Press repeatedly to display the upper part, the lower part and then to return to the normal page size. When the upper part is displayed, you can scroll the text line per line by using the ▲ or ▼ keys.

Reveal

- Press to reveal/conceal the hidden informations, such as solutions to riddles and puzzles.



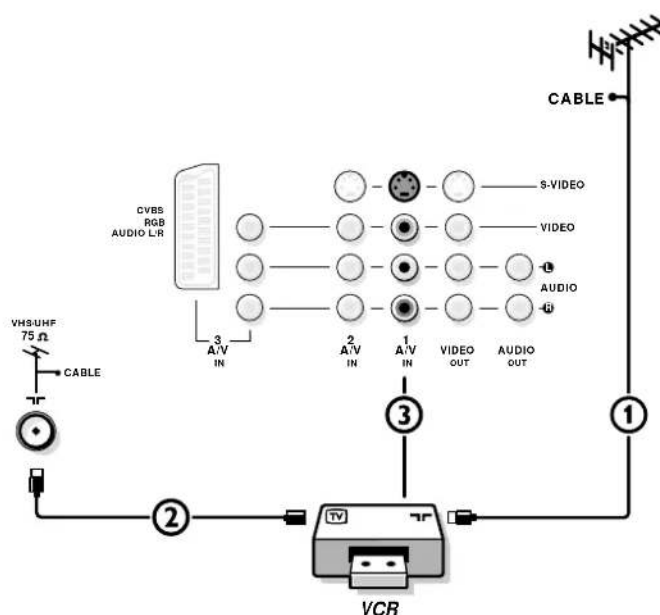
Connect Peripheral Equipment

There is a wide range of audio and video equipment that can be connected to your receiver.

The following connection diagrams show you how to connect it to the back or the front side of the receiver.

Video recorder

Note: Do not place your video recorder too close to the screen as some video recorders may be susceptible for signals out of the display.



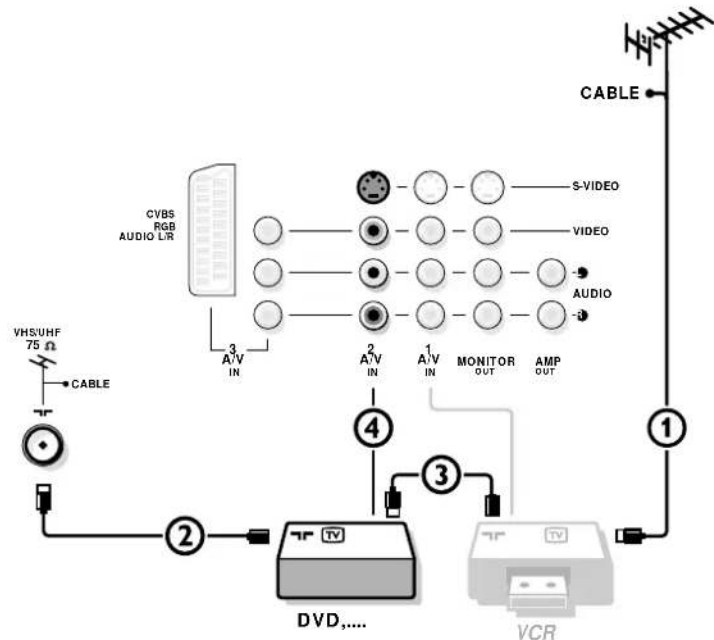
- ① Connect the antenna cable ① to the antenna socket of your video recorder.
- ② Connect another cable ② from the output TV of your video recorder to the input of your receiver.
Better recording quality can be obtained if you also connect the Video, Audio Left and Right (only for stereo equipment) cables ③ to the VIDEO, AUDIO L and R inputs A/V IN 1 or A/V IN 2.

The **MONITOR OUT** connectors can be used for daisy chaining or to record programs from your TV. See Record with your video recorder, p. 28.

If you are using only mono equipment, connect only the **VIDEO** and the **AUDIO L** sockets.

S-VIDEO quality with a S-VHS videorecorder is obtained by connecting the S-VIDEO cable with the **S-VIDEO** input. (See the instructions of your video recorder.)

Video recorder and other A/V peripherals (except CD-i/Photo CD)



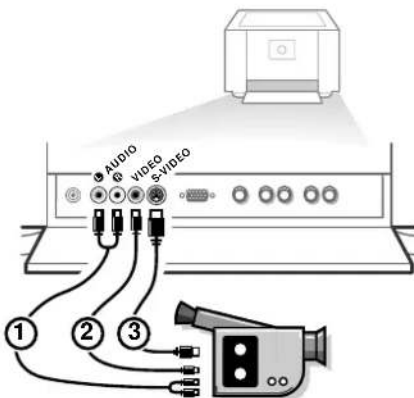
- Interconnect your video recorder with extra antenna cables.
- To obtain better picture quality, also connect the Video, Audio left and Audio right (only for stereo equipment) cables to the **VIDEO**, **AUDIO L** and **AUDIO R** inputs of **A/V IN 1** or **A/V IN 2** sockets.

If you are using mono equipment, only connect the left **VIDEO** and **AUDIO L** sockets for **MONITOR OUT** or **A/V IN 1** and **A/V IN 2**.

S-VIDEO quality with S-VIDEO equipment is obtained by connecting the S-VIDEO cables with the **S-VIDEO** inputs.

Note: DVD

To obtain an optimum picture quality, it is strongly recommended to connect your DVD to the S-VIDEO input of the A/V IN 2 socket.



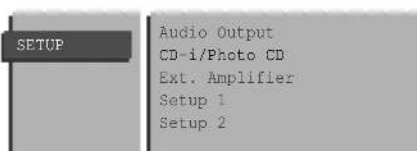
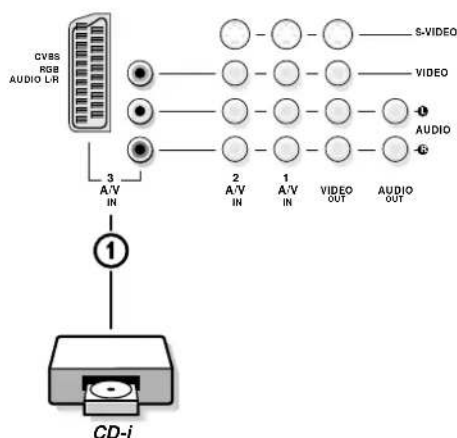
Camera and camcorder

- Connect your camera or camcorder at the front side of your receiver (**A/V 4**).
- Connect the equipment to **VIDEO 2** and **AUDIO L 1** for mono equipment.
- Also connect **AUDIO R 1** for stereo equipment.

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

CD-i/Photo CD

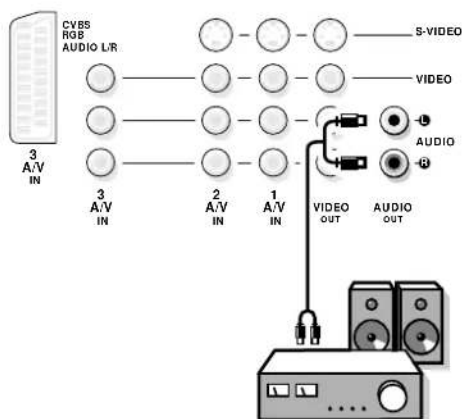
- Connect the cable of your CD-i/Photo CD **A/V IN 3**.



- Press **▶◀** and **PP** at the same time.
- Select **CD-i/Photo CD** in the Setup menu.
- Select **CD-i/Photo CD Yes**.
This offers you optimum quality for you CD-i or Photo CD.
- Press the **PICTURE**, **SOUND** or **FEATURE** key repeatedly to switch off all menus.

CVBS/RGB input

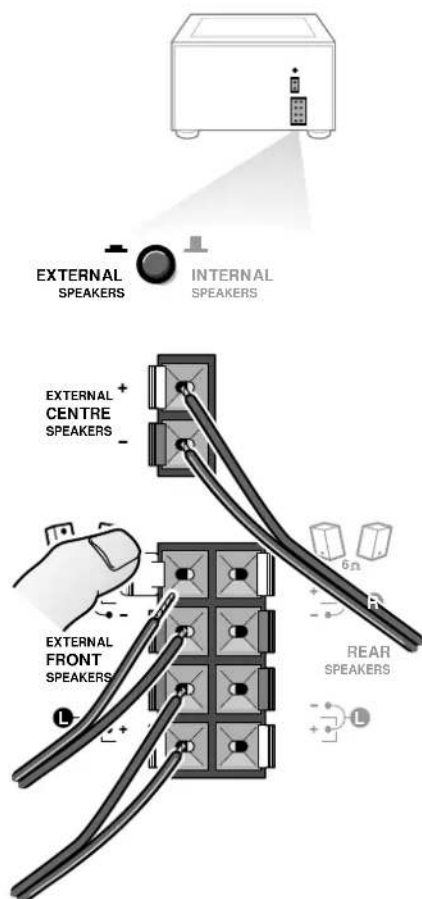
The euroconnector **A/V 3** can be used for special applications.



Audio equipment

You can listen to your TV sound through your audio equipment.

- Connect the audio cables to the audio input of your audio equipment and to **AUDIO L** and **AUDIO R** at the back of your receiver.
- Make your audio output selection (constant or variable) in the Setup menu.
See p. 7.



External speakers

You can replace the left, right and centre speakers of your set by three extra speakers, min. 8 Ohm.

- Connect the three speakers to the connector clips at the back of the receiver. Connect the left front speaker at **FRONT L**; the right front speaker at **FRONT R**, and the centre speaker to **CENTRE**.

*Push the connector clip down and insert the end of the wire into the opening: the positive wires of the **front speakers** (the ones with the black line) to the red speaker connections; the negative wires to the black speaker connections. The positive wire of the **centre speaker** to the blue speaker connection; the negative wire to the black speaker connection. Do not insert the wires too far.*

- Select a low volume adjustment and put the red speaker button in the rear in the **EXTERNAL SPEAKERS** position. The internal right, left and centre speakers and the subwoofer of your TV are now switched off.

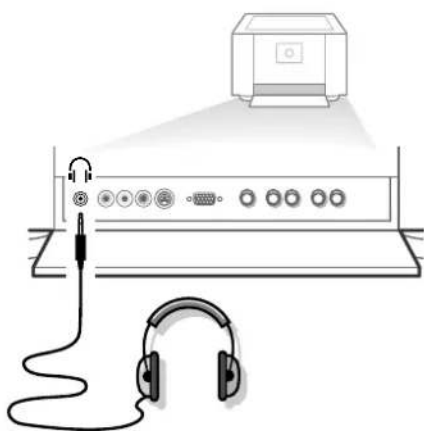
Remark: use full-range external speakers for good audio reproduction. Consult your dealer.

Headphone

- Insert the plug into the headphone socket  at the front side of the receiver.
- Press  to switch off the internal speakers of the TV. *The headphone impedance must be between 8 and 2000 Ohm. The headphone socket has a 3.5 mm jack.*

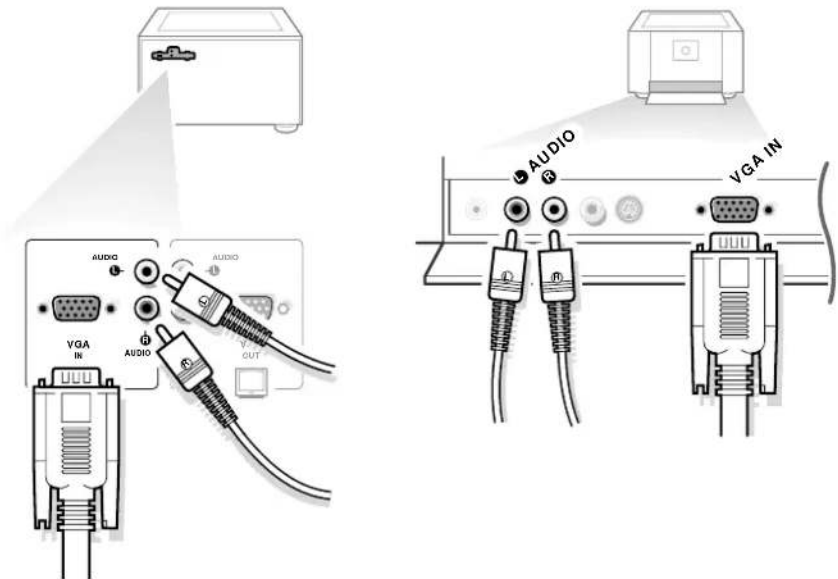
In the **SOUND** menu select **Headphone** to adjust the headphone volume and balance and to select the audio source for your headphone sound. See p. 12.

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



Connect your computer

- Connect one end of a VGA cable (not supplied) to the video card of the computer and the other end to the **VGA IN** connector **at the rear side** of the receiver or at the VGA connector behind the door **at the front** of the receiver. See also p. 16, VGA input.
- Fix the connectors firmly with the screws on the plug.
- In case of a Multimedia computer, connect audio cables (not supplied) to the audio outputs of your Multimedia computer and to the **AUDIO R** (right) and **L** (left) inputs next to the **VGA IN** connector.



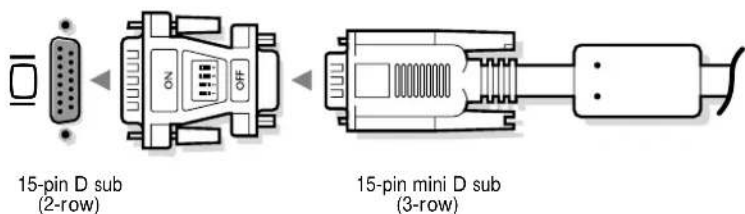
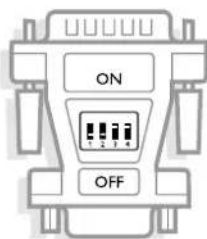
Connect your Apple Macintosh* computer

Attention: Macintosh computers with separate H and V synchronisation signals can be used together with the supplied adaptor. Macintosh computers with Composite Sync and Sync on Green signals may need a special (not supplied) adaptor or cable. Contact your dealer.

- Connect the supplied switchable adaptor for Apple video connectors to one end of a VGA cable.
- Put the DIP switches on the adaptor in the following positions :

1	2	3	4
off	off	on	on

- Connect the end of the VGA cable with the adaptor to the video card of the computer and the other end to the **VGA IN** connector on the back or the front of the receiver.
- Screw the connectors down firmly.

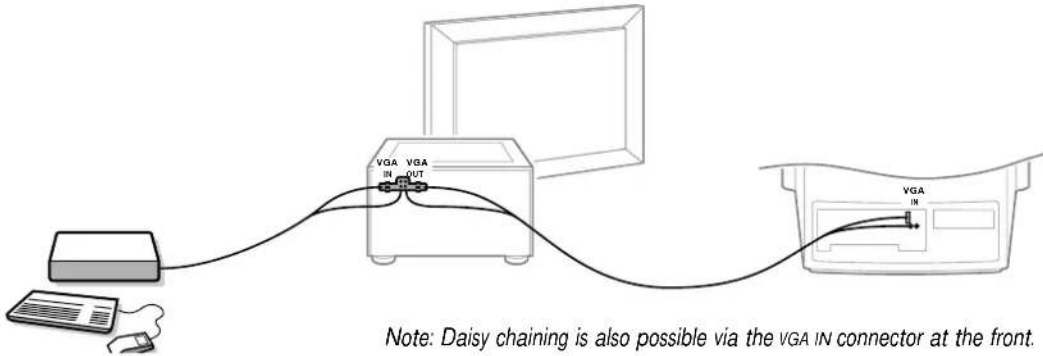


To reproduce computer screen information and/or channels, see p. 26.

Daisy chaining

The Active Loop Thru facility makes it possible to make a daisy chain. Connect the monitors (max. 2) **before inserting the mains plug in the wall socket.**

- Connect another VGA cable to the **VGA OUT** connector at the back of the receiver and to the **VGA IN** connector of a second VGA monitor.



Note: Daisy chaining is also possible via the VGA IN connector at the front.

In case of a Multimedia computer, also connect the audio cables to the audio inputs **R** (right) and **L** (left) next to the **VGA OUT** connector and to the audio inputs of the second VGA monitor.

Remark: for daisy chaining the TV should be switched on.

Computer Display modes

- VGA 640x480 31.468 kHz 60 Hz
- VGA 640x400 31.468 kHz 70 Hz
- VGA 640x350 31.468 kHz 70 Hz
- MAC II 640x480 35.000 kHz 67 Hz

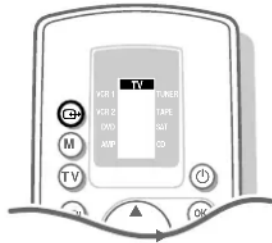
When a VGA computer is connected, the selection is made automatically.

Note: When the VGA signal becomes > 35 KHz or is not recognisable, the VGA menu is removed and the picture menu reappears.

To select connected equipment

Equipment connected with an aerial cable only :

- Select the channel number under which you have stored the test signal of that equipment with the digit keys.



Equipment connected with audio/video and multimedia cables

- Press repeatedly the  key to select **VGA**, **A/V 1**, **A/V 2**, **A/V 3** or **A/V 4**, according to where you connected your equipment at the back or the front side of your receiver.

Do you want to watch TV channels again ?

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



Video recorder keys

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

- Press the **M** key repeatedly until the arrow in the display indicates **VCR1** for your video recorder or another designation according to other equipment you want to operate with this remote control.

Press one of the video recorder keys:

- for stop,
- ◀◀ for rewind,
- ▶ for play,
- ▶▶ for fast forward,
- ⌚ for programming (on certain models),
- for record,
- **P** + for fast channel selection from the video recorder tuner,
- 0** to **9** to select a channel number from your video recorder tuner,
- ⏻ to switch off the video recorder temporarily

These keys function with Philips video recorders.



DVD keys

- Press the **M** key repeatedly until the arrow in the display indicates **DVD** for your DVD.

Press one of the **DVD** keys:

- ⏻ to switch the **DVD** menu on or off,
- T-C** to select the **DVD** chapter,
- T-C** + a digit key to select the **DVD** title,
- for stop,
- ◀◀ for rewind,
- ▶ for play,
- ▶▶ for fast forward,
- ▶ for slow forward. Press repeatedly to select the speed,
- AUDIO** to select your choice of audio language,
- ⋮ to select your choice of subtitle language (only in **DVD** mode),
- 0** to **9** to select a channel number from your **DVD**,

*These keys function with Philips **DVD** players.*

Record with your video recorder

If you have connected a S-VHS videorecorder you can only record S-VIDEO quality from a S-VIDEO peripheral connected to the front side of the receiver or from a S-VIDEO peripheral connected immediately to the S-VHS videorecorder. (E.g. from a S-VHS camcorder)

1. Record a TV program

using only an **antenna cable**

- Select the channel number on your video recorder.
- Set your video recorder to record.
(See the instructions for your video recorder.)

using **audio/video cables** connected to **MONITOR OUT**

- Select the channel number on the TV.
- Set the video recorder to record via its external input.
(See the instructions for your video recorder.)
During recording, do not turn off your TV, change channel numbers, or select another source.

2. Record a program from Audio/Video equipment connected to the inputs A/V 1, A/V IN 2, 3 or 4

- Turn on the equipment.
- With the **VIDEO** key, select the connection **A/V 1**, **A/V 2**, **A/V 3** or **A/V 4** from which you want to record.
- Set your video recorder to record via its external input.
(See the instructions for your video recorder.)
During recording, do not turn off your TV, change channel numbers, or select another source.

Tips

Care of the screen

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

Plasma Display characteristics

When switching over to another picture after having displayed the same still picture for a long time (many hours), it may happen that some parts from the previous picture will remain on screen due to a kind of memory effect. This ghost picture will disappear after some time. To avoid this effect change TV programs regularly or for PC use you can turn on a screen saver in your computer.

Philips built in an automatic slight shift of the picture every 15 minutes to avoid this effect and to prolong the life of the screen. Very incidentally and after a longer period of unuse (approx. 1 year) the screen may display some strange colour deficiencies. This is quite normal for plasma displays and these effects will disappear after the set has been turned on for some time.

A plasma display consists of more than 1,2 Million colour pixels. It is within industry standards that very few pixels (< 0,001%) may be defective, even for a new set. There is however no reason to doubt about the quality of the set.

The plasma display technology operates with rare gasses which are being influenced by air pressure. Up to an altitude of 2000 m above sea-level, the display is functioning fine. Operating the set at a higher altitude, the picture becomes unstable and the picture performance is deteriorating. Bringing the set below 2000m it works fine again. Transportation has no influence.

Poor Picture

Have you selected the correct TV system? Is your TV or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc. ? Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the outside aerial. Check if you have entered the correct frequency. See Installation, p. 5. Are brightness and contrast out of adjustment ? Press the  key. Sometimes poor picture quality is possible when having activated a S-VHS camera or camcorder connected to the front side of your receiver and another peripheral is connected to A/V 1 or A/V 2 at the same time. In this case switch off one of the other peripherals.

No picture or no sound

Are the supplied cables connected properly? (The aerial cable to the TV, the other aerial to your VCR, the power cable to the display, the video cable, the subwoofer cable, the cables to the surround loudspeakers.)

The message **No picture** means that the selected peripheral equipment is not transmitting a picture.

Has the child lock been switched off ? (p. 15). In case of weak or bad signal, consult your dealer.

Control of peripheral equipment

The infrared signals of the screen may influence the reception sensibility of other peripherals. Solution: replace the batteries of the remote control or change position of other equipment.

Remote control

If your TV no longer responds to the remote control, the batteries may be dead. You can still use the **LOCAL MENU** keys at the front of your receiver.

Menu

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

No stable or not synchronised VGA picture

Check if you have selected the correct VGA mode in your PC (640x480, 640x400, 640x350 MAC II).

No solution

Switch your TV off and then on again.

Never attempt to repair a defective TV yourself.

Check with your dealer or call a TV technician.

End of life directives

Your new TV contains materials which can be recycled and reused.

At the end of life specialised companies can dismantle the discarded TV to concentrate the reusable materials and to minimise the amount of materials to be disposed of. Please ensure you dispose of your old TV according to local regulations.

How to dispose of dead batteries ?

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

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International guarantee conditions

This product is guaranteed by Philips for a period of one year after the date of purchase against defects due to faulty workmanship or materials. The guarantee covers both parts and labour.

Service under guarantee is only provided upon presentation of reasonable evidence (e.g. completed guarantee card or purchase receipts) that the date of the claim is within the guarantee period.

The guarantee is not valid if the defect is due to accidental damage (including in transport), misuse of neglect and in case of alterations or repair carried out by unauthorised persons.

The guarantee may not apply if the product requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorised or if any damage results from these modifications.

Service (during and after guarantee) is available in all countries where this product is officially distributed by Philips. In countries where Philips do not distribute the product, the local Philips Service organisation will also provide Service although there may be a delay if the appropriate spare parts and technical manual are not readily available.

These statements do not affect your statutory rights as a consumer. In the event of difficulty please contact the Philips Information Centre in any country (see enclosed addresses).

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Specifications

Model no. 42PW9982/69	
Screen size 42"	
Screen visible size 106 cm	
Screen format Wide screen (16:9)	
Colour Transmission System PAL BGDKI, SECAM BGDK NTSC M	
Playback PAL, SECAM, NTSC, VGA	
Sound Transmission System 2CS, NICAM BGI	
Tuning channels 47,25 - 955,25 MHz	
Antenna input 75 Ω IEC	
Video connections VIDEO IN, S-VIDEO IN Front sockets - Headphone 3,5 mm jack Back sockets - Video In 1 VIDEO IN, S-VIDEO IN - Video In 2 VIDEO IN, S-VIDEO IN - Monitor Out VIDEO OUT - Audio Out Constant Level / Variable Level	
Audio Output Total: 120 W Internal speakers - squeeeters 6 - tweeter - subwoofer - surround	3 1 (2 speakers) 2 x 2
Main voltage, Frequency	90 - 265 V AC
Power consumption	Stby: ≤ 2 W; 450 W
Dimensions - width - height - depth	Display Receiver 118,5 cm 43,5 cm 75 cm 25 cm 11,5 cm 41 cm
Weight (approx. and excluding packaging)	Display Receiver 46 kg 16 kg

Note: the specification is subjected to change without notification.