

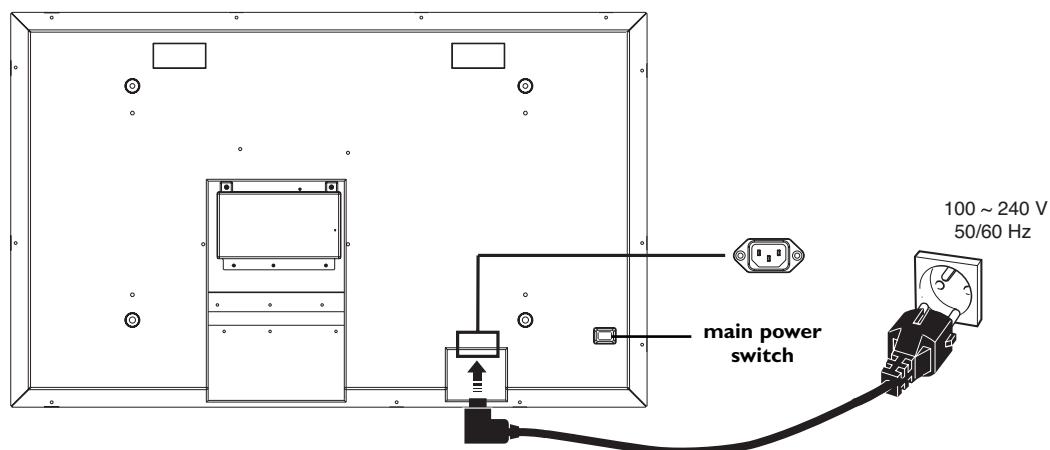
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Important safety instructions

Warnings and precautions

- Ensure that your domestic mains supply voltage matches the voltage indicated on the identification label located at the back of the set.
- The TV set's components are sensitive to heat. The maximum ambient temperature should not exceed 35° Celsius.
- Do not cover the vents at the back of the TV set. Leave sufficient space around it to allow adequate ventilation.
- Install the TV set away from any source of dust or heat (radiator, etc.). Do not expose it to direct sunlight.
- Moisture in rooms where the set is installed should not exceed 85% humidity. If you have to use the TV set outdoors, do not expose it to rain or splashing water.
- Moving the set from a cold place to a warm one can cause condensation on the screen (and on some inside components). Let the condensation evaporate before switching the TV set on again.
- During thunderstorms, we recommend that you disconnect the set from the mains and aerial so that it is not affected by electrical or electromagnetic surges that could damage it. For this reason, keep the mains and aerial sockets accessible so they can be disconnected if needed.
- Unplug the set immediately if you notice it giving off a smell of burning or smoke. You must never, under any circumstances, open the set yourself, as you risk an electric shock in doing so.
- If you intend to be away for a long period, switch the set off at the on/off switch located on the rear panel (see the figure below).
- Even when off, some components remain in contact with the mains electricity supply. To completely isolate the set you must remove the plug from the mains supply socket.
- This product is fitted with a 3-pin grounded plug, which will only fit into a grounded power outlet. This is a safety feature. Do not alter the plug, as this would defeat the safety feature.
- Avoid any intrusion of liquid or small metallic objects inside the set. If such an incident were to occur, immediately disconnect the TV set from the mains supply and refer servicing to qualified service personnel.
- Use the screen saver when using a computer.
- Switch the TV set to standby mode when you do not use it.
- The top of the TV set is usually very hot due to the high temperature of exhaust air released through the ventilation openings. Do not place your hands or face close to these openings to avoid burns or personal injuries. Do not place any object close to the ventilation openings to avoid any damage to the object or to the TV set itself.
- Make sure that all cables are disconnected before moving the TV set, to avoid damaging the cables and thus cause fire or electric shock danger.



Important safety instructions

Installation

- Install the TV set in a properly ventilated room.
- Do not install this product on an unstable cart, stand or table.
- Do not place it on a bed, sofa, rug, or other similar surfaces.
- Do not install the TV set in an enclosed area unless proper ventilation is provided.
- Do not rest objects on the power cord and avoid placing power cord near high traffic areas.
- Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- To reduce the risk of screen burning, do not display still images for extended periods of time. Examples of still images include still computer and video game images, logos, pictures, text and images displayed in 4:3 format.
- When displaying tables, graphics, etc.:
 - Decrease the contrast and brightness of the picture as much as possible.
 - Display pictures presenting many colours and grading of colours (photographs).
 - Adjust contrast to obtain the least noticeable transition between dark and light areas (white characters on a black background).
- If the picture displayed is in any way abnormal, turn off the set using the main power switch located at the back and disconnect it from the electric outlet.
- This TV set must be installed and used in compliance with this document. It should not be used for other purposes, including industrial purposes.
- Screen burns are not covered by the warranty.

Care and maintenance

- Always disconnect the TV set from the mains supply before any cleaning operation. Clean the screen with a glass-cleaning product. Never use abrasive products.
- Clean the front and cabinet using a soft cloth impregnated with a neutral detergent. Using solvents, abrasive or alcohol-based products could damage the set.
- Regularly dust the air vents located at the back.

Trademarks

- VGA is a trademark of IBM Corporation.
- Macintosh is a registered trademark of Apple Computer Corporation.
- SVGA is a registered trademark of the Video Electronics Standard Association.
- All other trademarks are the properties of their respective owners.

Compliance with CE standards

The CE label on this product indicates that it complies with the 89/336/EEC directive on electromagnetic compatibility and safety rules as defined in the 73/23/EEC and 93/68/EEC low voltage directives. This product is protected against interferences from other electronic devices, provided that these devices comply with the standards in force. Sporadic interferences may happen nevertheless.

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HELPLINE **THOMSON**

You can contact THOMSON by dialling: **0871 712 1312**
(for United Kingdom, £0.10/mn inc VAT)

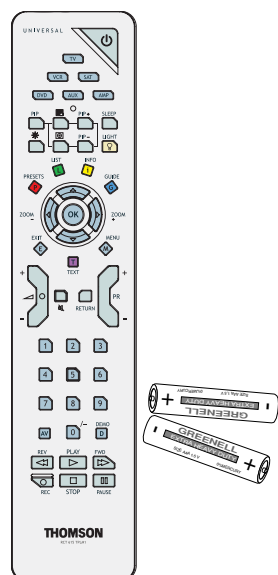
www.thomson-europe.com

THOMSON is not liable if the product is not used in accordance with this manual.

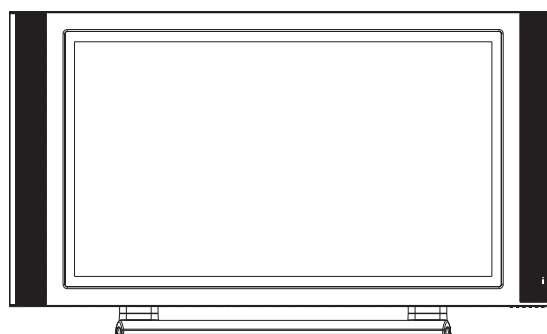
In our endeavour to improve the quality of our products we reserve the right to modify their features. The information in this manual is therefore likely to change and is not contractually binding.

Package contents

Remote control with batteries



TV set



User manual



Power cord

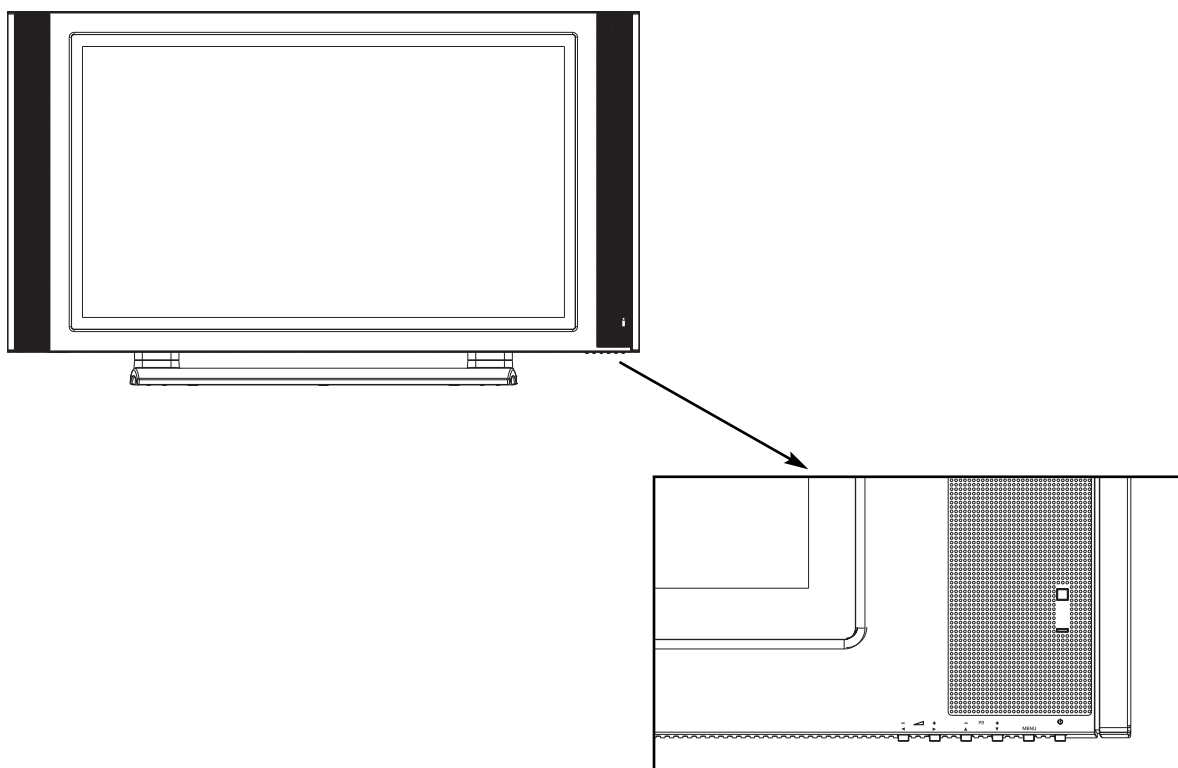


Optional accessory

You can purchase from your local sales representative an optional wall mount under the following reference: ACC913.

Understanding your set

Front panel



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Power (standby) button

On / standby

Status light

Off

When the TV set is connected to the mains, and the main power switch on the rear panel is on the OFF position, the light is off.

Orange

When the TV set is connected to the mains and the main power switch is on the ON position, but the power button on the front panel is off, the light is orange.

Green

When the set is on, the light is green.

Menu

To access the menus.

◀ +/-

To control the volume.

Horizontal scrolling in menus.

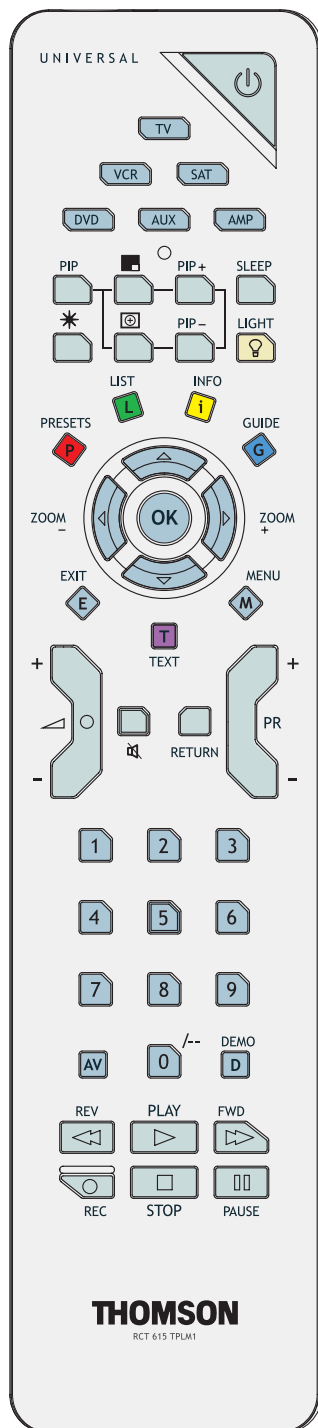
PR +/-

To change channels.

Vertical scrolling in menus.

Remote control

Most of your television's functions are available via the menus that appear on the screen. The remote control supplied with your set can be used to navigate through the menus and to configure all the general settings.



Standby / quit standby.

TV To access TV mode.
Press this button to control the television.

VCR To access VCR mode.

DVD To access DVD mode.

SAT To access SAT mode.

AUX To access AUX mode.

AMP To access AMP mode.

light To provide information:
-it lights up when you press a button,
-it indicates the status when the remote control is being programmed (see page 8),
-if the batteries are run down, it flashes when you press a button.

PIP To scroll the various PIP display modes.

SWAP/ To swap the main picture with the PIP picture.

SLEEP Inactive.

PIP+/PIP- To change programmes within the PIP function.

ZOOM/ To change position of PIP on screen.

FREEZE/ Inactive.

LIGHT Inactive.

PRESETS (red button) To access the sleep timer.

LIST (green button) Inactive.

INFO (yellow button) To access status information.

GUIDE (blue button) Inactive.

TEXT (purple button) To access teletext.

The coloured buttons can also be used for operating Teletext.

To select menu options.

To set functions, change values, enable and disable functions (checkbox) in menus, and use the zoom function.

OK To confirm a selection.

MENU To access the OVERVIEW menu.

EXIT To exit the menu structure.
In PIP mode: to disable the PIP function.

+/- To control the volume.

To switch the sound off and back on again.

RETURN Inactive.

PR+/- To change channels.

0-9 To select a channel by its number. In the case of channel numbers with two digits:
- press the two digits quickly, or
- press **0** to display "--", then enter the channel number.
Enter numeric values in menus.

AV To select an appliance connected to an AV socket.

DEMO Inactive.

IMPORTANT:

If the batteries in your remote control are run down, you can use the buttons on the front of the set, as they have the same functions as those of the remote control.

Remote control

Using the remote control for other equipment

The remote control supplied with your television can be used to control other appliances using the programmable buttons **VCR**, **DVD**, **SAT**, **AMP** and **AUX**. For each button you can control the following appliances:

VCR: video recorder

DVD: DVD player

SAT: satellite receiver, cable network

AMP: hi-fi system, Home Cinema amplifier

AUX: any appliance. For instance, if you have two video recorders, you can program the **VCR** button to control one video recorder, and program the **AUX** button to control the other one.

*Note: The **TV** button is not programmable.*

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	Video recorder	DVD player	Satellite receiver	Hi-fi system
	Press the VCR button	Press the DVD button	Press the SAT button	Press the AMP button
	On/Standby	On/Standby	On/Standby	On/Standby
MENU	To display the main menu	To display the main menu	To display the main menu	
 	Vertical scrolling in menus	Vertical scrolling in menus	Vertical scrolling in menus	
 	Horizontal scrolling in menus	Horizontal scrolling in menus	Horizontal scrolling in menus	
OK	To confirm an action	To confirm an action	To confirm an action	
EXIT	To close a menu	To close a menu	To close a menu	
0-9	To directly access channels or enter numeric values	To enter numeric values or select options in menus	To directly access channels or enter numeric values	To select a radio station using its number
PR+/-	To change channels	To change chapters	To change channels	To change stations
AV	To select AV input			
REW	Rewind	Rewind		
PLAY	Play	Play		
FWD	Fast forward	Fast forward		
STOP	Stop	Stop		
PAUSE	Pause	Pause		
REC	Record			
				To switch the sound off and back on again
				To set the volume level

Remote control

Programming the remote control

Automatic code search

This method can be used to automatically find the most appropriate code for your appliance.

1. Switch on the appliance you wish to use the remote control with.
2. Press the relevant button for this appliance on the remote control, and while holding this button down, press the button until the light or the appliance buttons of the remote control come on. Release both buttons.
3. Point the remote control at the appliance and press **PLAY**. Wait until the light stops flashing. If the appliance has not gone into standby mode, press the **PLAY** button again to continue the search for the next set of codes.
Repeat this operation until the appliance goes into standby mode. There are around 20 sets of codes.
4. When the appliance goes into standby mode, switch it on again without using the remote control. Press the **REV** button as many times as is required to return the appliance to standby mode.
5. Press the **STOP** button and hold it down until the light or the appliance buttons of the remote control go off.

*Note: You can cancel the programming operation at any time by pressing the **EXIT** button.*

Manual programming

This method involves carrying out a manual search for the codes to be used for controlling your other appliance.

1. Switch on the appliance you wish to use the remote control with.
2. Press the relevant button for this appliance on the remote control, and while holding this button down, enter one of the codes relevant to your make of appliance (see the list of codes at the end of this manual). If the light or the appliance buttons of the remote control flash you have entered the wrong code or it is not possible to program the remote control.
3. Point the remote control at the appliance and press the relevant button (**VCR**, **DVD**, etc). Press the standby button. If the appliance does not go into standby mode, try another code.

Depending on the year of manufacture and the type of appliance, some functions may not be available. Certain codes may cover more functions than others. Test the functions you can control and, if appropriate, try other codes. Note here the code(s) which work best.

VCR					AUX				
DVD					AMP				
SAT									

When you change the remote control's batteries, remember to reprogram it.

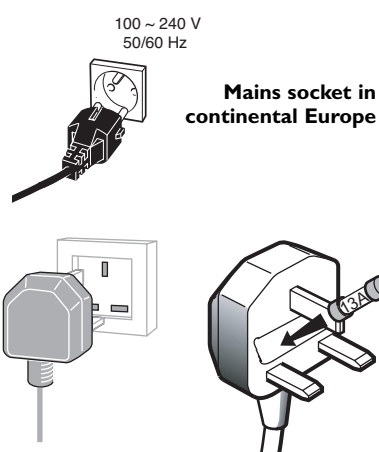
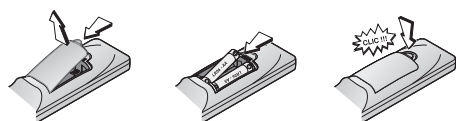
Switching on

Follow the instructions on this page to switch on the TV set and the remote control.

1. Install two LR06 or AA batteries in the remote control.

Precautions on using batteries:

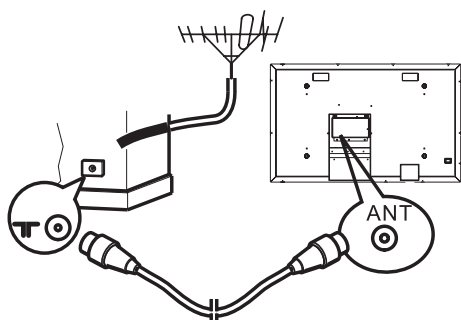
- Only use the battery types specified.
- Make sure you use the correct polarity.
- Do not mix new and used batteries.
- Do not use rechargeable batteries.
- Do not expose batteries to excessive heat, throw them on the fire, recharge them or try to open them, as this could cause them to leak or explode.
- Remove the batteries from the remote control if you are not using it for a long period of time (several weeks).



2. Connect the TV set to a mains socket.

The set should only be connected to an AC supply. It must not be connected to a DC supply. If the plug is detached from the cord, do not, under any circumstances, connect it to a mains socket, as there is a risk of electric shock.

Equipment for the UK is supplied with a mains cable fitted with a moulded plug. This plug contains safety components and must not be replaced by one sold by general retailers. It is fitted with a fuse that protects your television. If your set has stopped working, the fuse may have blown. If it has, replace it with an identical ASTA or BSI certified (BS1362) 13-amp fuse.

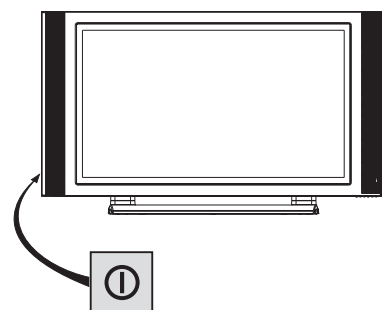


3. Connect the outside aerial or cable network to the antenna connector (labelled ANT) on the rear panel of the TV set.

The aerial socket can be used for connecting an external aerial or other equipment fitted with a modulator (video recorder, satellite receiver, etc.). We recommend that you do not connect other equipment (video recorder, satellite receiver, etc.) to your TV set to begin with, so as not to complicate the set-up procedure with this additional equipment. Connect them when you have finished setting up the channels.

4. Switch the TV set on by putting the main power switch located at the back on the ON position, then pressing the power button on the front panel.

The first time you switch on the TV set, the language selection menu appears.

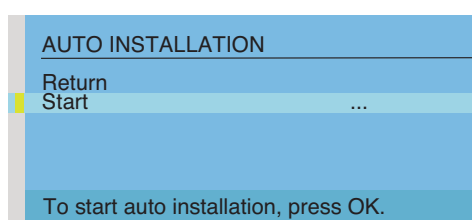


Please respect the environment and the relevant regulations. Before you dispose of batteries or accumulators, ask your dealer whether they require special recycling and if he is able to take them back.

Channel set-up



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Initial set-up

The initial set-up involves setting all the parameters required to be able to search and store all the channels you can receive in your area. Make sure that the TV set is switched on and follow steps 1 to 4. When you first switch the TV set on, the language selection menu appears. If this does not happen, refer to the Manual installation section to find out how to carry out an automatic search.

1. Choose which language you want the menus to appear in using the ▲ ▼ buttons. Press **OK** to confirm.
2. A list of countries appears. Select the relevant country using the ▲ ▼ buttons. If your country is not listed, select **Other**. Press **OK** to confirm.

Note: This is the country you are in, or the country whose channels you want to receive if you live near its borders.

3. The **AUTO INSTALLATION** menu appears. The **Start** line is selected. Press **OK** to launch the auto installation. Once the auto installation has started, additional information displays (standard currently scanned, frequency, and number of channels found).
The automatic set-up process can take several minutes. Channels are arranged in a pre-set order, depending on the country selected.
If you press the **EXIT** button before the end of the process, the channels already found are stored.

Channel set-up

ORGANIZER	
Return	
Select PR	02
Swap with PR:	--
Change name	BBC2
Delete PR	05
Select programme with PR-/+ or </> or 0 to 9 keys.	

4. At the end of the auto installation process, the **ORGANIZER** menu appears to allow you to modify the order of channels, to name or rename channels, or delete channels stored twice or with poor reception quality. Use a TV programme magazine and the channel logos to identify the various channels.

*Note: The **ORGANIZER** menu is also accessible from the **INSTALLATION** menu.*

If you do not want to reorganise the channels, press **EXIT** to close the menu.

When the **ORGANIZER** menu opens, the current channel's number is displayed on the **Select PR** line.

- Organising channels: on the **Select PR** line, display the number of the channel you want to move using the **<>** buttons or the numeric buttons. The channel is displayed on TV. Select the **Swap with PR:** option, enter the number you want to assign to this channel and press **OK** to confirm. A message appears indicating that the channels are swapped.

- Changing a channel name: on the **Select PR** line, display the number of the channel whose name is to change using the **<>** buttons or the numeric buttons. Select the **Change name** option. Select the character to be changed using the **<>** buttons. Scroll through the alphabet using the **▲ ▼** buttons. When you have changed one character, move the cursor to the next one using the **<>** buttons and repeat the procedure. The maximum length for a channel name is 6 characters. Press **OK** to confirm the name.

- Deleting a channel: on the **Select PR** line, display the number of the channel to be deleted using the **<>** buttons or the numeric buttons. Select **Delete PR**, and press **OK** to confirm. A message appears indicating that the channel has been deleted.

Press **EXIT** to close the menu. Select **Return** to return to the **INSTALLATION** menu.

To launch a new auto installation after the initial set-up (after moving house, for instance), display the **OVERVIEW** menu and select **Installation**. In the **INSTALLATION** menu, select **Auto installation**. The country selection screen appears, allowing you to launch an automatic installation. This process deletes all channels previously stored.

Channel set-up

INSTALLATION

Return
Manual installation
Auto installation
Organizer

MANUAL INSTALLATION

Return
Standard EURO
Frequency 150.75 MHz
Name BBC2
Fine-tuning
Store on PR: 02
Decoder ☒
Text 1

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Manual installation

You may want to carry out a manual installation in case some channels have not been stored during the initial set-up. Setting up channels manually requires every setting to be entered, one at a time. To carry out a manual installation, display the **OVERVIEW** menu using the **MENU** button and select the **Installation** option. Press **OK** to confirm. In the **INSTALLATION** menu, select **Manual installation** and press **OK** to confirm.

The information displayed pertains to the current channel. The **Standard** line is highlighted.

To search for channels, do the following:

1. On the **Standard** line, select the standard for your country.

The following standards are available: **FR** for France and Luxemburg, **UK** for United Kingdom and Eire, **DK** for Eastern Europe and the Middle East, and **EURO** for Western Europe.

2. Select the **Frequency** line, enter a frequency or use the **<>** buttons to start a search. The available frequencies depend on the selected standard.
3. Once a channel is found, if it is recognised, its name is automatically detected and displayed on the **Name** line.

Note: This line is only informative and cannot be selected.

4. You can tune the channel manually using the **Fine-tuning** function.
5. If the channel is encoded and you want to connect a decoder to an AV socket, select the **Decoder** line and check the box using the **<** **>** buttons.
6. Select the **Text** line, and using the and buttons, select the character set to be used for Teletext:
 - 1: Western Europe
 - 2: Eastern Europe
 - 3: Russian, Bulgarian
 - 4: Greek
 - 5: Arabic
 - 6: Ukrainian
 - 7: Byelorussian

Note: The Teletext character set is stored per channel.

You can now store the settings for this channel. To do so, select the **Store on PR:** line, enter the number you want to assign to the channel (e.g. 02 for BBC2), press **OK** to confirm.

Press **EXIT** to close the menu.

*Note: The **INSTALLATION** menu is only available in video mode (TV channels or AV programmes).*

General operation

Switching the set on and off

To switch the TV set on, put the main power switch located at the rear on the ON position, then press the power button located on the front panel. When the set is on, the light on the front is green.

Standby mode: press the power button on the front panel. When the TV set is in standby mode, the light on the front is orange.

Volume

Volume control: use the buttons on the front panel or the remote control to increase and decrease the volume.

Sound mute: press the  button on the remote control to temporarily mute the sound.

To restore it, press the  button again or use the  +/- button.

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Displaying status information

In TV mode, press the yellow **INFO** button on the remote control to display the number and name of the channel you are watching, the zoom format, the type of sound, and the remaining time if the sleep timer is on.

In PIP mode, the PIP display mode is displayed with the number and name of the channel or the AV programme number and the type of signal transmitted.

The number and name of the channel are displayed whenever you turn on the set or change channels.

Accessing TV channels

Using the numeric buttons:

- For channels 1 to 9, press the corresponding button.
- For two-digit channels, first press the **0** button, then the channel number (e.g. type 012 for channel 12), or enter the two digits quickly.

Using the **PR+/-** buttons: scan through the programmes. AV programmes are not accessible.

Accessing AV programmes

Press the **AV** button to display the last selected AV programme and scan through the other AV programmes.

Adjusting the picture

Display the **OVERVIEW** menu using the **MENU** button. Select **Picture** and press **OK** to confirm. The **PICTURE** menu appears. The contents of this menu depends on the signal.

In TV mode:

Adjust the **Brightness**, **Contrast**, **Colour** and **Sharpness** settings as required.

The **Tint** option is only available when a NTSC signal is detected. It is used for adjusting the picture's tint.

To adjust the colour temperature, select the **Tone** option and select a setting using the **<>** buttons.

Check the box for the **Auto format** option so that the appropriate format is automatically applied to the picture.

Note: if you are watching an AV programme through AV3 or Component Y/CB/CR, this function is not available.

Use the **Noise reduction** function to improve the quality of the picture in the case of poor reception. Use the **<>** buttons to select one of the options.

PICTURE menu in TV mode

PICTURE	
Return	
Brightness	
Contrast	
Colour	
Sharpness	
Tint	
Tone	Cold
Auto format	☒
Noise reduction	Low

In PC mode:

Adjust the **Brightness** and **Contrast** settings as required.

To adjust the colour temperature, select the **Tone** option and select a setting using the **<>** buttons.

Use the **V-Size** option to change the vertical size of the picture. Using the **<>** buttons, move the cursor to the right to enlarge the picture, or to the left to reduce it.

Use the **V-position** to move the picture vertically. Using the **<>** buttons, move the cursor to the right to shift the picture up, or to the left to shift it down.

Use the **H-Size** option to change the horizontal size of the picture. Using the **<>** buttons, move the cursor to the right to enlarge the picture, or to the left to reduce it.

Use the **H-position** to move the picture horizontally. Using the **<>** buttons, move the cursor to the right to shift the picture to the right, or to the left to shift it to the left.

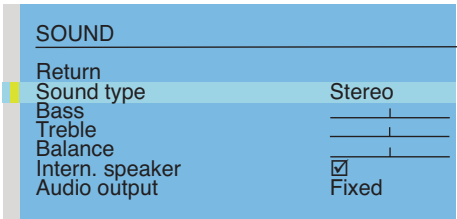
The **Phase** option allows you to finetune the set in order to perfectly synchronize it with the video signal source.

Press the **EXIT** button to close the menu. Select **Return** to return to the **OVERVIEW** menu.

PICTURE menu in PC mode

PICTURE	
Return	
Brightness	
Contrast	
Tone	Neutral
V-Size	
V-Position	
H-Size	
H-Position	
Phase	

Adjusting the sound



Display the **OVERVIEW** menu using the **MENU** button. Select **Sound** and press **OK** to confirm. The **SOUND** menu appears, which offers the following settings:

The **Sound type** option allows to select the relevant sound type. Use the **<>** buttons to make a selection.

The available options depend on the programme you are watching.

Broadcast	Options
Mono	Mono, Automatic
Stereo	Mono, Stereo
Bilingual	Sound 1, Sound 2
NICAM bilingual	Sound 1, Sound 2, Sound 3
AV1, AV2, or AV3	Stereo , Sound 1, Sound 2

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Adjust the **Bass** and **Treble** levels as required.

Use the **Balance** option to balance the sound between the left and right speakers.

The internal speakers are activated by default. To deactivate, uncheck the box on the **Intern. speaker** line using the **OK** button.

The **Audio output** option allows you to set the audio output of external speakers. When **Fixed** is selected, the Bass, Treble and Balance functions, and the volume controls are deactivated for the external speakers.

The audio output is set to **Fixed** by default. Use the **<>** buttons to change the setting.

Press **EXIT** to close the menu.

Picture in picture (PIP)

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The PIP area on the remote control is used for the PIP functions. These functions allow to view two programmes (one TV channel and one AV programme, or two AV programmes) at the same time in various ways. Press the **PIP** button to scroll the various display modes:

PIP: a TV channel or AV programme is displayed in a frame in a corner of the screen.

PAP: the screen is divided vertically in two and the second programme is displayed on the right side. Sound comes from the main programme, on the left.

PAP (4/3): the images are displayed in 4:3 format. Black bars are added on the upper and lower parts of the screen.

PAP (16/9): the images are displayed in 16:9 format. Black bars are added on the upper and lower parts of the screen.

Off: the function is deactivated.

Note: The PIP function is only available in TV mode and with devices connected to the SCART, S-video, and Component 1 H Y/Cb/Cr sockets.

Use the **PIP+/PIP-** buttons to change the PIP programme.

Use the **PR+/-** buttons to change the main programme.

Use the **SWAP/■** button to swap the main programme and the PIP programme.

Use the **ZOOM/⊗** button to change the position of the PIP on the screen (upper right, upper left, bottom left or bottom right).

Note: This function is only available if you selected the PIP mode.

Press the **EXIT** button to deactivate the PIP function.

Other functions

3 : 4 5 ◀ ▶
- : - - ◀ ▶

Sleep timer

This function allows you to set an automatic shut-off time, from 0 to 4 hours, with 15-minute steps.

Press the red button on the remote control to activate the sleep timer function.

A symbol appears on screen in front of the sleep time.

If no timer has been set, then -:-- is displayed. Use the ◀ ▶ buttons to decrease/increase the duration.

Once the timer is set, pressing the red button displays the remaining time before shut-off. You can use the ◀ ▶ buttons to change the setting.

When the timer count down reaches 0, the TV goes automatically into standby and the timer resets to -:--.

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Zoom

The following formats are available using the ◀ ▶ buttons, in TV mode:

4/3: picture in centred 4:3 format.

zoom: picture in centred letterbox 16:9 format.

zoom ▲: picture in 16:9 format with subtitles.

Cinerama: picture in widescreen 4:3 format.

16/9: picture in widescreen 16:9 format.

In PC mode, only 4/3 and 16/9 formats are available.

Customizing your TV set

You can set preferences for some features such as the language or appearance of the menus.

Display the **OVERVIEW** menu using the **MENU** button. Select the **Preferences** option and press **OK** to confirm.

The corresponding menu appears with the following options:

Eco mode: when this function is enabled,

In video mode: the set goes automatically into standby mode after 10 minutes without video.

In PC mode: the PC power management function will be activated.

Check the box using the **OK** button to enable the functions.

This function is activated by default.

Menu language: select the language you want the menus to be displayed in. The menu is immediately updated according to your selection.

Menu brightness: select a setting using the ◀ ▶ buttons.

AVI input: use the ◀ ▶ buttons to select the type of video signal transmitted by the equipment connected to the AVI socket.

The **Video** option is selected by default.

*Note: Select **RGB** if no picture is displayed when you connect equipment such as a games console.*

AV2 input: use the ◀ ▶ buttons to select the type of video signal transmitted by the equipment connected to the AV2 socket.

The **Video** option is selected by default.

Press **EXIT** to close the menu. Select **Return** to return to the **OVERVIEW** menu.

PREFERENCES	
Return	
Eco mode	☒
Menu language	English
Menu brightness	
AV1 input	Video
AV2 input	S-Video

Using the teletext

The Teletext service is available in many countries under a variety of names (TOP Text, Fastext, FLOF test, Videotext). It is provided as a free service by some television broadcasters. This service provides a real wealth of information, available at any time, on weather, sports results, news, games, etc. The information is presented in pages or organised in topics specified in colour on the screen and you can access this information by simply pressing the buttons of the same colour on the remote control.

To access the Teletext, press the (purple) **TEXT** button on the remote control. Teletext opens on the last page selected, or on the index page (100) if you have changed channels or put the set into standby.

To display another page, use the **PR+/-** buttons to access the next and previous pages, or enter its number using the numeric buttons. The page/subpage number appears:

- in green when the page has not been found yet;
- in white when the page has been found.

A teletext page contains a header line with page and subpage number, and broadcaster information (date and time, channel number, etc.).

The navigation bar at the bottom of the screen displays coloured blocks with page numbers giving direct access to the corresponding pages by simply pressing the relevant buttons on the remote control.

Press the **MENU** button to access the navigation bar, which offers the following functions:

STOP: freezes the current page, preventing update and subpage display. To select this function, press the red button on the remote control. To cancel, press the red button again.

??? (REVEAL): to reveal a hidden answer (for example, in games), select **???** using the green button on the remote control. To cancel, press the green button again.

ZOOM: press the yellow button once to zoom in on the top part of the screen, twice to zoom in on the bottom part of the screen, and three times to return to normal display.

PAT: press the blue button on the remote control to display Teletext in the right half of the screen, press again to return to normal display.

Using the teletext

Teletext offers some other useful functions:

Newsflash

When a newsflash is detected, **PAT** is replaced by **N**. Press the blue button to display the newsflash. In the case of an update, Teletext is automatically enabled and displays the new information.

To display the header and the navigation bar again, press any button (except **EXIT**, the button  or the volume adjustment buttons) on the remote control.

This function is cancelled when you change channels or put the set into standby.

To return to TV mode, press **EXIT**.

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Subtitles

Some channels provide subtitles for some of their programmes through Teletext. The numbers of the relevant pages are specified on the Teletext index page.

To display the subtitles, enter the number of the relevant page. Once it is found, the subtitles appear in the TV picture. The header and the navigation bar disappear after a couple of seconds. To display them again, press any button (except **EXIT**, the button  or the volume adjustment buttons) on the remote control.

To return to TV mode, press **EXIT**.

Alarm page

In some countries (Spain, Benelux, etc.), you can set a time to display certain Teletext pages (alarm pages).

To do this, display the relevant alarm page and press the   buttons to enter subpage mode. Enter the time instead of the subpage number (e.g. 1705 for 17:05) and press **EXIT**. The page will disappear and will appear again at the set time, as long as you do not change channels or switch off the set beforehand.

Fastext

If Fastext is available, direct access to previous and subsequent pages is replaced with coloured bars (red, green, yellow and blue) which provide links to the topics you can access by pressing the corresponding buttons on the remote control.

Press the **MENU** button to access these direct links, press it again to display the navigation bar.

Temporary change of the character set

You can temporarily change the character set. To do so, display the navigation bar using the **MENU** button, then press the **OK** button to display the number of the current character set in place of ???.

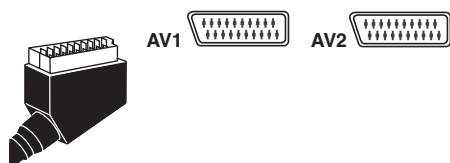
Scroll the list of character sets using the green button. Press the **OK** button to display the ??? function again.

The character set will reset to the one selected in the **MANUAL INSTALLATION** menu:

- when the set is turned off or put into standby,
- when you change channels.

In Teletext mode, volume controls remain available, but the relevant symbols do not display.

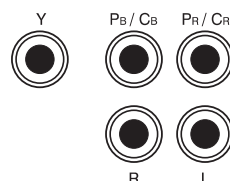
Connecting other equipment



Connecting a DVD player

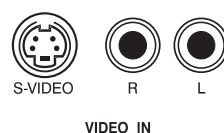
Using SCART (AV) socket input

1. Connect the SCART socket on the DVD player to a SCART socket (AV1 or AV2) on the rear panel of the set.



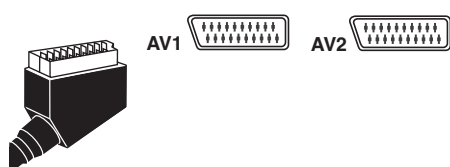
Using component video input

1. Connect the green (Y), red (P_R/C_R), and blue (P_B/C_B) cinch sockets on the DVD player to the corresponding cinch sockets on the rear panel of the set.
2. Connect the red (R) and white (L) audio cinch sockets on the DVD player to the R and L audio-in cinch sockets located next to the P_R/C_R cinch socket, on the rear panel.



Using S-video input

1. Connect the S-video socket on the DVD player to the S-VIDEO socket on the rear panel of the set.
2. Connect the red (R) and white (L) audio cinch sockets on the DVD player to the R and L audio-in cinch sockets located next to the S-VIDEO socket on the rear panel of the set.

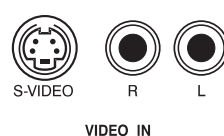


Connecting a videorecorder

Using SCART (AV) socket input

This connection gives the best picture and sound quality.

1. Connect the SCART socket on the videorecorder to a SCART socket (AV1 or AV2) on the rear panel of the set.
2. Connect the videorecorder to the antenna wall socket or cable box.



Using S-video input

1. Connect the S-video socket on the videorecorder to the S-VIDEO socket on the rear panel of the set.
2. Connect the red (R) and white (L) audio cinch socket on the videorecorder to the R and L audio-in cinch sockets located next to the S-VIDEO socket.
3. Connect the videorecorder to the antenna wall socket or cable box.

Using TV input

1. Connect the antenna out socket on the videorecorder to the corresponding socket (ANT) on the rear panel of the set.
2. Connect the videorecorder to the antenna wall socket or cable box.

Connecting other equipment



Connecting external amplified speakers

Connect the red (R) and white (L) audio out sockets located to the right of the connector panel of the set respectively to the right and left amplified speakers.



Connecting an amplifier

Connect the red (R) and white (L) audio out sockets located to the right of the connector panel to the amplifier's L and R inputs.

Note: The AUDIO OUT cinch sockets can be set to either **Fixed** or **Variable** audio output levels. Please refer to page 15 for additional explanation on this feature.

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Connecting a PC

Using RGB input

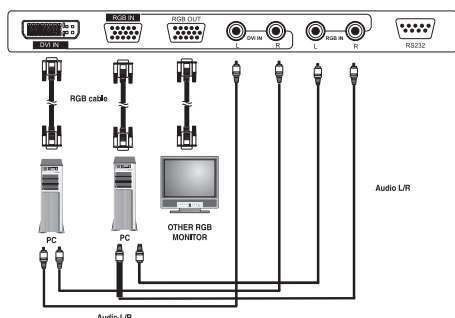
1. Connect the 15-pin RGB connector on the PC to the RGB IN connector located at the rear of the set.
2. Connect the audio sockets on the PC to the R and L cinch audio in DVI/RGB sockets on the rear panel of the set.

Using DVI input

1. If your PC is equipped with DVI (Digital Visual Interface), connect its DVI connector to the DVI IN connector located on the rear panel of the set.
2. Connect the audio sockets on the PC to the R and L cinch audio in DVI/RGB sockets on the rear panel of the set.

Notes:

- If your PC only has a 3.5 mm jack, you will need to use a jack-to-cinch converter cable for the audio connection.
- The RGB OUT connector on the TV set allows you to connect another RGB monitor. It will display the same signal as the RGB IN signal source.
- The physical display resolution is a maximum of 640x480 dots when aspect ratio is set to "4x3", and 852x480 dots when set to "16x9". If the PC's display resolution exceeds these maximum values, the TV set will have to artificially eliminate dots in order to fit within the physical dot capability of the display; therefore, it is possible that the TV set may not be able to show details with adequate clarity.



Signal frequency information

In PC mode, you can press the yellow **INFO** button to access the display mode of the TV set.

M. xx appears on screen. Please refer to the table below to get detailed information about the various display modes.

Mode	Horizontal	Vertical	Format	Refresh rate
1	31.469	59.940	640 x 480 (VGA)	60
2	37.861	72.809	640 x 480 (VGA)	72
3	37.500	75.000	640 x 480 (VGA)	75
4	43.269	85.008	640 x 480 (VGA)	85
5	35.156	56.250	800 x 600 (SVGA)	56
6	37.879	60.317	800 x 600 (SVGA)	60
7	48.077	72.188	800 x 600 (SVGA)	72
8	46.875	75.000	800 x 600 (SVGA)	75
9	53.674	85.061	800 x 600 (SVGA)	85
10	48.364	60.004	1024 x 768 (XGA)	60
11	56.476	70.069	1024 x 768 (XGA)	70
12	60.023	75.029	1024 x 768 (XGA)	75
13	68.677	84.997	1024 x 768 (XGA)	85
14	63.981	60.020	1280 x 1024 (SXGA)	60
15*	79.976	75.025	1280 x 1024 (SXGA)	75
16*	91.146	85.024	1280 x 1024 (SXGA)	85
18	31.469	70.087	720 x 400 (DOS)	70
19	31.469	50.030	640 x 480 (VGA)	50
20*	45.000	60.000	1280 x 720p (HDTV)	60
21*	33.750	60.000	1920 x 1080i (HDTV)	60
22	31.469	70.087	640 x 350 (VGA)	70
23	31.413	59.835	852 x 480 (WVGA)	60
24	35.000	66.667	640 x 480 (Apple)	67
25	49.725	74.550	832 x 624 (Apple)	75
26	68.681	75.062	1152 x 870 (Apple)	75

Notes:

- Modes 15, 16, 20, and 21 are not available with DVI input.
- Modes 24, 25, and 26 are for use with Apple Macintosh computers.

Troubleshooting

The following table lists possible problems and methods for remedy. Please refer to this table prior to contacting a service representative.

Symptom	Possible cause	Remedy
No picture is displayed.	1. The power cord is disconnected. 2. The main power switch on the rear panel is on the OFF position. 3. The selected input has no connection. 4. The TV set is in standby mode in RGB mode.	1. Plug in the power cord. 2. Put the main power switch on the ON position. 3. Connect the selected device to the TV set. 4. Press any button on the TV set.
Poor picture or poor sound.	1. Electrical appliances, cars, motorcycles or fluorescent lights may be nearby.	1. Move the TV set to another location to reduce interference.
Color is abnormal.	1. The signal cable is not connected properly.	1. Make sure that the signal cable is attached firmly to the rear panel of the TV set.
Picture is distorted.	1. The signal cable is not connected properly. 2. The input signal is not supported by the TV set.	1. Make sure that the signal cable is attached firmly. 2. Check that the video signal source is supported by the TV set.
Image doesn't fill up the full size of the screen.	1. If under RGB mode, the H-Size and V-Size settings are incorrectly set.	1. Use the H-Size and V-Size options in the PICTURE menu to adjust the size of the picture.
Sound with no picture.	1. The signal cable is not connected properly.	1. Make sure that both video and sound inputs are correctly connected.
Picture with no sound.	1. The signal cable is not connected properly. 2. Volume is turned all the way down. 3. The sound is muted.	1. Make sure that both video and sound inputs are correctly connected. 2. Use the volume adjustment buttons to adjust sound. 3. Switch MUTE off using the  button on the remote control.
The remote control buttons do not work.	1. The remote control batteries are flat, or incorrectly installed. 2. The selected mode (VCR, DVD, etc.) does not correspond to the appliance you want to use the remote control with.	1. Change the batteries. Please note that you must then reprogram the remote control. 2. Select the relevant mode.
Some picture elements do not light up.	1. Some pixels of the plasma display may not turn on.	1. This TV set was manufactured using an extremely high level of technology; however, sometimes some pixels may not display. This is not a malfunction.
After-images can be seen on the screen after the set has been powered off.	1. A still picture was displayed for an extended period of time (examples of still pictures include logos, video games, computer images, and images displayed in 4:3 format).	1. Do not allow a still image to be displayed for an extended period of time as this can cause a permanent after-image to remain on the screen.

Specifications

Display panel

Screen size	42 inches
Aspect ratio	16:9 wide
Resolution	852 x 480

Power source

Input voltage	100 ~ 240 V ac , 50 / 60 Hz
Power consumption	240 W (average)
Standby & power save	4 W

Dimensions (W x H x D)	1200 x 648 x 22
Net weight	33 kg

Wall mount installation (optional)

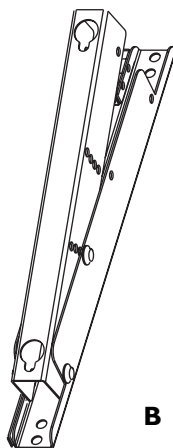
Package contents

An optional wall mount (ACC 913) is available. Contact your local retailer for more information.

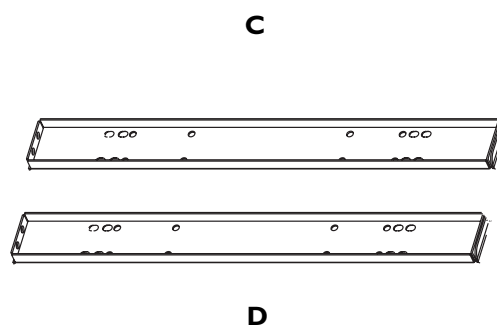
Left module



Right module

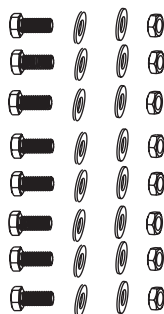


Horizontal supports

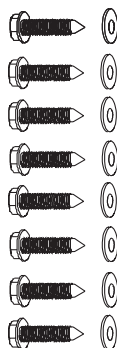


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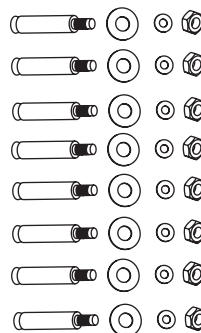
Screws for assembling wall mount
(8)



Screws for installing onto wooden
wall (8)



Screws for installing onto cement wall
(8)

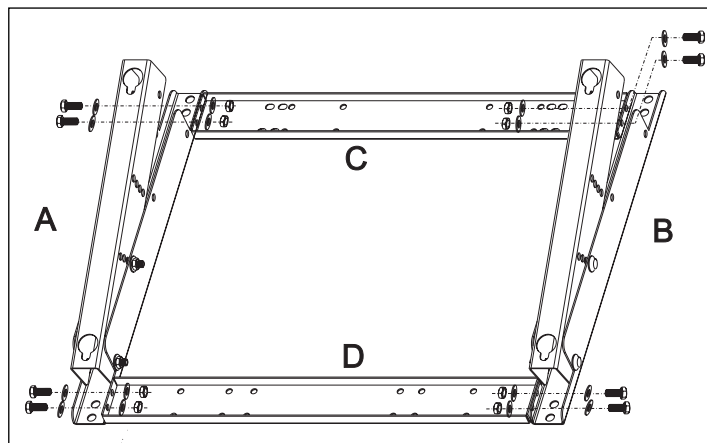


Wall mount installation (optional)

Installation

Step 1.

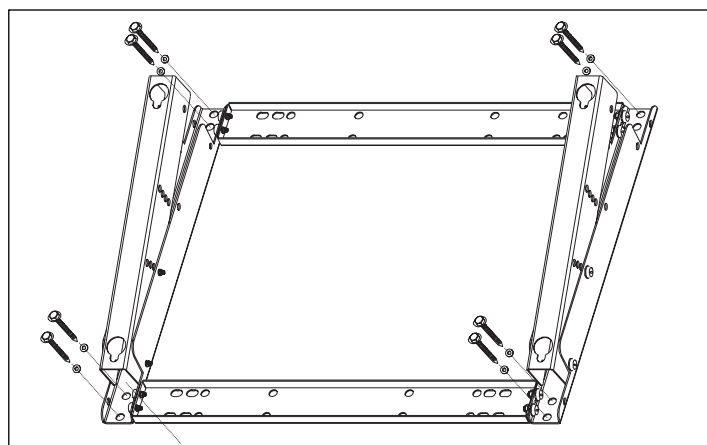
Attach the horizontal supports (C and D) to the left and right modules (A and B) using the appropriate screws (E).



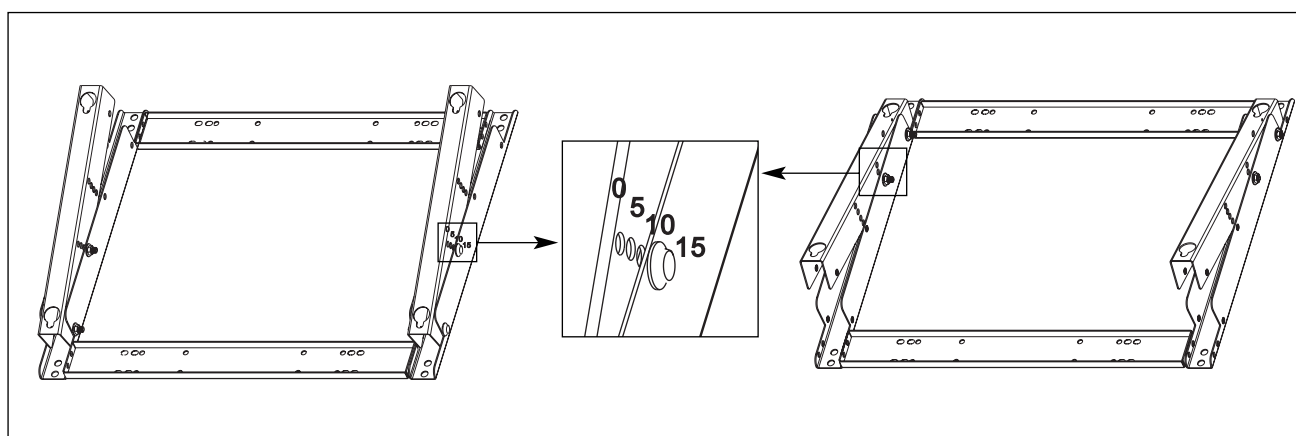
Step 2.

Install the wall mount bracket onto the wall.

Note: This package includes two different sets of screws - one for mounting on a cement wall and one for a wooden wall. Please consult with a qualified installer to make sure that this wall mount and TV set can be installed.



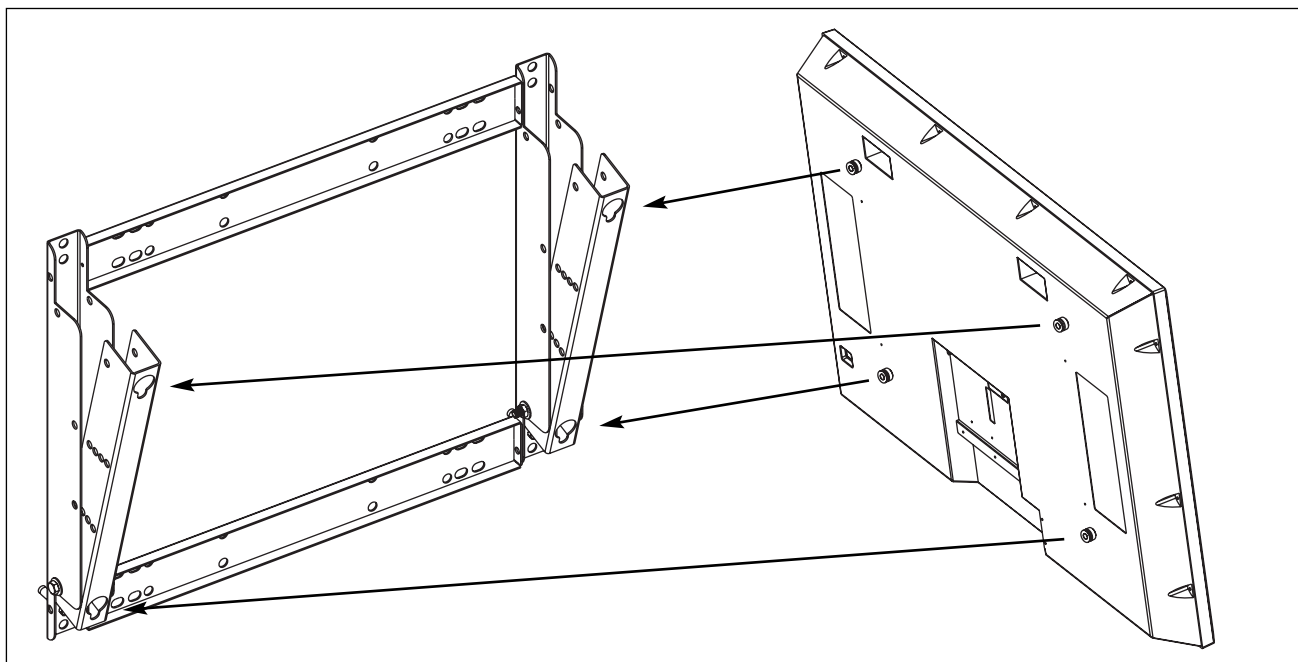
You can change the mounting direction and inclination angle (0, 5, 10, 15 degrees) by adjusting the screw position on the wall mount.



Wall mount installation (optional)

Step 3.

Remove the table-top stand, and install the TV set onto the wall mount bracket.



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Note: This wall mount is an optional accessory, please contact your retailer for more information. This type of equipment is to be installed by qualified installers, please contact with authorized dealer for installation. Please make sure that the wall can support the wall mount and TV set.