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You can read the recommendations in the user guide, the technical guide or the installation guide for THOMSON 30LB020S4. You'll find the answers to all your questions on the THOMSON 30LB020S4 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual THOMSON 30LB020S4
User guide THOMSON 30LB020S4
Operating instructions THOMSON 30LB020S4
Instructions for use THOMSON 30LB020S4
Instruction manual THOMSON 30LB020S4

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2. 3. 4. 5. Connect domestic antenna or cable system (see no.

7 Sockets on the rear of the unit page 4). Connect TV set to the power supply (see Connecting to the mains power supply page 4). Select TV input (see Selecting sockets page 26). Start automatic search (see Initial startup procedure page 13). Select channels: use the arrow buttons Y // or numerical buttons 28 (see Channel selection page 13). En Switching the TV on and to standby mode Television reception via Scart socket (e.g. SAT or cable receiver) 1. 2. 3.

Connect SAT receiver (see no. 4, 5 or 6 Sockets on the rear of the unit page 4). Connect TV set to the power supply (see Connecting to the mains power supply page 4). Select Scart input (AV 1, AV 2 or AV 3, see Selecting sockets page 26). Usually the Scart input is assigned to the first TV channel position and adjusted via the arrow buttons Y //. Set up and switch on SAT receiver (see SAT receiver instruction manual). Select channels: Do not use PR + / - buttons or numerical buttons, instead use the SAT receiver (see SAT receiver instruction manual). Selecting channels 4. 5. Selecting inputs Note: If the television reception is input via a SAT receiver and the channel position in the TV changes, the correct Scart input must be assigned to the new channel position (see Point 3).

1. 2. Select the input using arrow buttons Y //. Press the OK button 24 to store the setting. 5 Preparations Preparations Setting up, care and maintenance Place of installation Caution! Protect the television against humidity and rain.

The TV set should not be operated in rooms with high moisture levels. Do not place receptacles containing water on the TV, e.



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g. vases, flower pots. The combination of electrical current and water can cause fatal electric shocks.

Make sure that no objects can fall through the ventilation slits into the interior of the television as they may touch live parts. Should any liquids or foreign objects fall into the interior of the television, disconnect the television from the power supply immediately. Have the television checked by a specialist before using it again. Note: If the television is moved from a cold to a warm place, condensation may develop inside the television. Leave the television switched off for a few hours. Moisture in rooms where the set is installed should not exceed 85% humidity. Caution! Make sure that the unit (most importantly the screen) does not come into contact with hard objects, especially during transportation! The place of installation should provide a stable, horizontal, vibration-free surface to ensure that the tele Reproducing a still image for longer periods has a negative effect on the picture quality. Burn-in images and permanent effects on the screen can be avoided by implementing a series of basic precautionary measures. Observing the following recommendations will ensure that the television delivers satisfactoryer or satellite receiver is to be connected up, please refer to Auxiliary equipment on page 25. Connecting the headphones Connection socket 2 is supplied for all normal headphones sold with a 3.

5 mm jack. For other jacks, use adapters available from specialised stores. Mains connection Caution! The unit should only be connected to the mains supply once all other connections have been made. When disconnecting the mains cable from the socket, pull on the mains plug and not on the cable. Caution! The LCD TV 30LB020S4 should only be connected to a power supply voltage of 230 V / 50 Hz with a protective earth conductor. 15LB020S4, 20LB020S4, 23LB020S4 1. Connect mains cable to power pack 2. Plug the cable on the power pack into the TV Plug the mains cable into the socket 30LB020S4 1. Plug the mains cable into the mains socket on the TV Plug the mains cable into the socket En Note: Integral speakers are switched off when headphones are used.

Caution! Excessively high volumes can damage your hearing, especially when wearing headphones.

Connecting external auxiliary equipment Scart sockets D, E and F on the back of the unit offer extensive connection options. To connect external equipment, see page 25. 2. 3. Note: The menu and teletext displays are not available from the Scart sockets as an output signal and cannot be picked up as a result.

Caution! If the mains plug on the TV power cable is faulty or if the unit shows other signs of damage, it should not be used. Remove the mains cable from the socket by pulling out at the plug do not pull on the cable. Note: Always use power packs that are supplied by the manufacturer to avoid invalidating the warranty. Caution! @@@@Do not touch power supply plugs with wet hands - risk of electric shocks! 9 Operation Operation Controls Front of TV Item Designation 1 Remote control receiver and standby indicator 2 Headphones socket 3 Power switch Remote control If the equipment is operated with the remote control, observe the following: The supplied remote control can control up to five different devices: TV, VCR, DVD. To operate the device, press the

TV button: - Point the remote control (transmitter) at remote control receiver 1 on the unit.

- An optical connection must be established between the transmitter and the receiver. - If the range of the remote control decreases, replace the batteries. Designation Switches off the TV temporarily (ready for operation); the red standby indicator 1 lights up. Press the button again to switch the TV back on.

PR+/- Switching through each individual channel position. RETURN No function MENU Displays the menus Y // To select menu options. To select the picture format in TV mode. ȳ Purple key For changing to teletext mode. Blue key To scroll TV channels in the PIP picture. 0 Number buttons for - selecting channel position - entering values in the menus.

9 F1-F2 Can be set for various functions. F3-F4 Yellow key To display / increase / erase PIP picture. - Opening the Sound menu. Green key - Scrolling forwards page by page in teletext mode. - To scroll AV programmes in the PIP picture. - Opening the Picture menu. Red key - Scrolling back page by page in teletext mode. - To change PIP position. Item Item Designation To set functions, change values, enable and disable func/ȳ tions. OK Memory / confirm button To quit EXIT - the menus.

- Teletext. INFO Status information on the current channel. Volume setting. For switching off the sound. Pressing the button again switches the sound back on.

TV To access TV mode. VCR To access VCR mode. DVD To access DVD mode. Inserting the batteries The batteries should be removed if the remote control is not used for long periods. Otherwise, the batteries may leak and damage the remote control.

En Caution! The batteries for the remote control should be kept out of the reach of children. Swallowing batteries can seriously damage your health. Standard batteries must not be recharged, heated or exposed to naked flames (risk of explosion). Make your own contribution to protecting the environment! Note: Flat batteries and storage batteries should not be disposed of together with standard household waste. They can be deposited at the collection point for used batteries and hazardous waste. Please consult your local authority! It may also be possible to return discharged batteries to a specialist dealer or retailer. 10 Operation Using the remote control for other equipments The remote control supplied with your set can be used for other equipment, such as video recorders or DVD players. This page provides information concerning the remote control's use with these types of equipment. 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 standby button until the remote control light comes on. Release the two 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 after five seconds, 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 20 sets of codes.

4. When the appliance goes into standby mode, press the standby button on the right side to switch it on again. Then press the REV button to put it back in standby mode, and if necessary, keep pressing until the appliance goes into standby. 5. Press the STOP button and hold it down until the remote control light goes off.

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



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VCR VCR Press the VCR button DVD DVD Press the DVD button On/Standby To display the main menu On/Standby To display the main menu Fr En MENU Vertical scrolling in Vertical scrolling in menus menus Horizontal scrolling Horizontal scrolling in menus in menus OK EXIT 0-9 To confirm an action To confirm an action To close a menu To directly access channels or enter numeric values To change channels To select AV input Rewind Play Fast forward Stop Pause picture Record Rewind Play Fast forward Stop Pause picture To close a menu To enter numeric values or select options in menus PR+/PRAV REV PLAY FWD STOP PAUSE REC Manual programming This method involves carrying out a manual search for the codes to be used for controlling your other appliances. 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 (there is a list of codes at the end of this manual). If the remote control light flashes 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 or DVD). 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.

When you change the remote control's batteries, remember to reprogram it. 11 Operation Initial startup procedure When setting up for the first time, proceed as follows: 1. Switch the unit on at the power switch (3). Then press the button on the remote control. The standby indicator (1) goes out. The following Installation Menu appears on the screen the first time the unit is switched on, or before the first channel is stored: Note: Every time the TV is switched on, a starting sequence appears on the screen displayed as a white stripe. Note: If for some reason the set has already been switched on, the installation menu no longer appears automatically. If this is the case, to save the station, see page 14. 2. Select the required line by pressing the arrow buttons Y// and change the relevant setting by pressing the arrow buttons /ÿ.

@@@4. @@@@Press the EXIT button to quit the menu. Note: Screen settings such as e.g. @@@@Menu item Picture Sound-1 Install. SOUND-2 Pr. set Pref. Timer Lock \$ Reset 3. 4. 5.

@@@1. The Main menu appears on the left-hand side of the screen when you press MENU button. The selected submenu appears to the right next to the Main menu. 2. Use arrow buttons Y// to select the individual menu items. 6. 7. see page 15 16 13 17 16 13 19 20 21 Item 1 2 3 Meaning Main menu Submenu Status bar Press ÿ to advance to the selected submenu (Main menu item is highlighted blue). To return to the Main menu from the various submenus, select < Return using the arrow keys Y//. Press the arrow key to access the Main menu (Main menu item is highlighted green).

Press OK button to save; Save : OK appears in red briefly. Press the EXIT button to exit the menu. Note: The menus disappear automatically after approx.

@@The standby indicator lights up (1) red. To switch on the device, press the button on the remote control. The standby indicator 1 goes out.

@@@@@. The channels can also be selected in the channel list. Press the MENU button twice, the channel list appears on the screen. A channel can be selected by pressing arrow buttons Y//. To confirm the channel selected, press OK button.

@@@@7 minutes. En Caution! @@@@2. 3. Open the Pref. menu: Press MENU button.

Select Pref. in the Main menu using arrow buttons Y//. Press the arrow key ÿ to move the green marker to the Pref. menu. 6.

@@Select the corresponding country in the Country line. Select the menu dialogue language in the Language menu item. @@@@7. Press the OK button to store the settings. 8. Press the EXIT button to quit the menu. Use arrow buttons Y// to select the individual menu items. @5. 13 Operation Storing channels automatically 1. 2.

3. 4. Open the Install. menu: Press MENU button. Select Install. in the Main menu using arrow buttons Y//. Press arrow button /ÿ to move the green marker to the Install. menu. Select Search using arrow buttons Y//. Direct channel input / fine tuning 1.

2. 3. Open the Install. menu: Press MENU button. Select Install.

in the Main menu using arrow buttons Y//. Press arrow button /ÿ to move the green marker to the Install. menu. 4. Press arrow buttons /ÿ to start the search.

@@6. Press EXIT button to stop the search early. 7. @@@8. Press OK button to save; Save : OK appears in red briefly. 9. Press the EXIT button to quit the menu. @5. @menu. 5.

6. 7. 8. 9. 10. 11. 12. 13. 14. 15.

16. 17. Use arrow buttons Y// to select the individual menu items. Use arrow buttons /ÿ to modify the relevant settings or data. @@Use the button F1 to select between S for special channels and .

.. for other channels. The channel number (2-digit) can be entered easily using the numeric buttons (0-9); or the channel number can be scrolled through backwards of forwards one by one using the arrow buttons /ÿ; For station fine-tuning, select the Frequency line using the arrow keys Y//. You can change the settings in 50 kHz intervals up or down by pressing arrow buttons /ÿ.

The Standard and Norm lines should be adapted to the country-specific TV standard. Any channel name (max. 8 digits) can be specified in Name. The channel name appears automatically for channels with VPS/PDC. Use arrow buttons /ÿ to select the position where the subsequent character (letter, digit, etc.) should be entered. Select the desired symbol using arrow buttons Y//. Use arrow buttons /ÿ to select a new position, etc. 14 Operation 18. If the full channel name is set, quit the entry field using arrow buttons /ÿ.

19. Select Tuner in the Source menu line for the aerial or cable system stations using the arrow buttons /ÿ. 20. Press the OK button to store the settings. 21. To allocate further channels select the channel line again and proceed in the same way. 22. Press the EXIT button to quit the menu. Allocating and deleting channels 1. Press the MENU button twice, the Program list appears on the screen.

2. 3. 4. 5. 6.

7. Use arrow buttons Y// to select the channel whose position needs to be changed. Select the channel using right-hand arrow button ÿ. Use arrow buttons Y// to guide the bar containing the channel name to a new position. Use left-hand arrow button to store the new channel position in the list.

If a channel is in the other bar, it can be deleted by pressing the OK button. Press the EXIT button to quit the menu. En En Picture and sound Adjusting the picture settings Depending upon the room lighting conditions, it may occasionally be necessary to adjust the brightness, contrast or other picture settings.



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1. Open the Picture menu: Press MENU button. The title Picture is highlighted green. 2. Press the arrow button \bar{y} to move the green marker to the Picture menu. Note: The Picture menu can also be opened by pressing the red button. The green marker is already located in the Picture menu here.

Press OK button to save any changes. The menu automatically disappears approx. 5 seconds after the last input was made. The Brightness and Contrast settings are governed by room brightness. The Colour setting is based on skin tone. The Sharpness setting is a matter of personal preference. The tone can also be adjusted to suit personal preferences. Select between "colder" (- left) and "warmer" (+ right). Select the desired picture format in Format. The television screen can be adjusted to various transmission formats.

Make sure the picture geometry is correct. 3. 4. 5. 6.

Use arrow buttons Y// to select the individual menu items. Use arrow buttons / \bar{y} to modify the relevant data. To make modification easier, only the corresponding submenu item appears when you press arrow buttons / \bar{y} . @@@@2. 3.

Open the Sound menu: Press MENU button. Select Sound in the Main menu using arrow buttons Y//. Press arrow button \bar{y} to move the green marker to the Sound menu. @@@@1. Select the Pr. set menu: Press MENU button. 2. Select Pr. set in the Main menu using arrow buttons Y//. 3.

Press arrow button \bar{y} to move the green marker to the Pr. @@@5. @@@6. Mode (Wide/Normal) creates the effect of acoustic base dispersion. @@@7. @@@@8. Use arrow buttons / \bar{y} to modify the relevant data. 9. Press the OK button to store the settings. 10.

Press the EXIT button to quit the menu. Note: The Sound menu can also be opened by pressing green button. The green marker is already in the Sound menu. Press OK button to save any changes. The menu automatically disappears approx.

5 seconds after the last input was made. 4. 5. 6. 7.

8. 9. Use arrow buttons Y// to select the individual menu items. Use arrow buttons / \bar{y} to modify the relevant settings or data. @@@@These can then be accessed directly by pressing the F1-F2-F3-F4 function buttons (see section The function buttons ... on page 19). In the Volume and Contrast lines, adjust the values correspondingly using the arrow buttons / \bar{y} . Press the OK button to store the settings.

Press the EXIT button to quit the menu. 16 Operation The Panorama Sound decoder "Panorama Sound" achieves a significant improvement of the stereophonic sound with normal playback of stereo sound (2 channels left/right). The integrated microcomputer ensures that the sound has depth and is three-dimensional, even without additional amplifiers and speakers. Thus the sound becomes "3-D". Manufactured under license from Dolby Laboratories. DOLBY, the double-D symbol and PRO LOGIC are trademarks of Dolby Laboratories. Note: A stereo video recorder is required for recording and playing back films with Dolby Virtual Surround Sound. Decoder mode selection Open the Sound-2 menu: Press MENU button. Select Sound2 in the Main menu using arrow buttons Y//. Use the righthand arrow button \bar{y} to move the green marker to the Sound-2 menu for the selected decoder mode.

En Note: To enjoy video playback with "Panorama Sound", a stereo video recorder is needed. The Dolby Virtual Surround Sound Decoder Dolby Virtual Surround Sound is a special method for recording sound which was principally developed for cinema film. In order to use these atmospheric sound effects at home as well, video tapes, television broadcasts and video discs are also produced with this technology. The integrated Dolby Virtual Surround Sound Decoder reproduces the Dolby Stereo cinema effect on a conventional home entertainment system. On playback of the "Dolby Pro Logic Surround Tone", Dolby Virtual Surround Sound achieves a 3-D sound similar to that of a home theatre system.

Even without additional speakers, the corresponding modification of the sound creates an outstanding surround effect. The listener is surrounded by the sound as if in a concert hall. When buying video tapes, video discs and CDs, look for the Dolby logo . It indicates that all sound and image carriers have recordings in Dolby Pro Logic Surround quality. VHS video cassettes only marked with the logo do not contain the necessary Dolby Surround information. The desired decoder mode (see diagram) can be selected by pressing the arrow buttons / \bar{y} if the first line of the respective Sound-2 menu is marked green. In

Normal television sound Open the Sound-2 menu: Press MENU button. Select Sound2 in the Main menu using arrow buttons Y//. Use right-hand arrow button \bar{y} to move the green marker to the Sound-2 menu of the decoder mode selected. Select Normal for decoder mode by pressing the relevant arrow buttons / \bar{y} . The broadcast television sound remains unaltered in this decoder mode. Use arrow buttons Y// to select the individual menu items. Use arrow buttons / \bar{y} to modify the relevant settings or data. The volume of the right and left speaker can be changed under Balance to achieve optimised stereo playback. Press the OK button to store the settings.

Press the EXIT button to quit the menu. 17 Operation Dolby Virtual Surround Sound and Panorama Open the Sound-2 menu: Press info button MENU. Select Sound-2 in the Main menu using arrow buttons Y//. Use the right-hand arrow button \bar{y} to move the green marker to the Sound-2 menu for the selected decoder mode. Select Dolby Virtual for decoder mode by pressing the relevant arrow buttons / \bar{y} . Note: In order to achieve an improvement in the 3-D sound when playing normal stereo sound, the decoder mode Panorama must be selected. When playing back Dolby Pro Logic Surround sound, the decoder mode Dolby Virtual produces a 3D sound similar to that of a home theatre system. Volume level adjustment for Dolby Virtual Surround Sound and Panorama: In order to give the sound the desired 3-D characteristics, the volume of both speakers and the intensity of the surround signal should be tuned as precisely as possible to match the position of the listener (e.g. sofa).

This is called "noise focusing". To adjust the level, select the decoder mode Test. or select the decoder mode Panorama. When the arrow buttons Y// are pressed, the test signal generator sends the noise signal (tech.: "pink noise") alternately (for approx.

3-5 seconds per pulse) as a surround signal and to the individual speakers. Use arrow buttons Y// to select the individual menu items. Use arrow buttons / \bar{y} to modify the relevant settings or data. Adjust the intensity of the surround signal under Level. The volume of the right and left speaker can be changed under Balance to achieve optimised stereo playback.

Adjust the intensity of the surround signal under Level. Under Balance, arrow buttons / \bar{y} can be used to adjust the volume of the relevant loudspeaker.



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The noise signal must sound equally loud on both channels from the listener's position. Mode (Wide/Normal) creates the effect of acoustic base dispersion. This gives the impression that the speakers have been moved further apart. Press the OK button to store the settings. Press the EXIT button to quit the menu.

Note: Once saved, the basic setting only needs to be adjusted when the position of the listener or the TV setup changes. Press the OK button to store the settings. Now select the desired decoder mode.

18 Operation Special functions Fade-in display window The status line with channel position, channel names, sound mode and time is displayed by pressing the INFO button. TXT-page 1-4 Direct access to favourite stored teletext pages 1-4, see page 16. Clock 1. 2. The first time the button is pressed, the time is displayed. The window disappears from the screen if the button is pressed again. En Otherwise the display will fade out automatically after approx. 5 seconds.

The time display only functions when a transmitter offers teletext. The function buttons .

.. Different functions can be assigned to buttons F1, F2, F3 or F4. 1. Open the Pref.

menu: Press MENU button. 2. Select Pref. in the Main menu using arrow buttons Y//. 3.

Press the arrow key \bar{y} to move the green marker to the Pref. menu. 4. Select either F1, F2, F3 or F4 using arrow buttons Y//. Timer 1. 2. 3. Open the Timer menu: Press MENU button. Use arrow buttons Y// to select Timer in the Main menu. Press arrow button \bar{y} to move the green marker to the Timer menu.

En 4. 5. Use arrow buttons Y// to select the individual menu items. Use arrow buttons / \bar{y} to modify the relevant settings or data. Setting the timer: 5. 6. 7. 8.

List Use arrow buttons / \bar{y} to set the desired function. Press the OK button to store the settings.

Press the EXIT button to quit the menu. In normal TV mode, pressing the corresponding keys F1, F2, F3 or F4 activates the defined function. 1. 2. Under Time, enter the hours and minutes for the switch-off time using arrow buttons / \bar{y} .

Activate the Timer by setting it to On. The channel list appears on the screen. A channel can be selected by pressing arrow buttons Y//. 3. To confirm the channel selected, press OK button.

Format Switching picture format (see Adjusting the picture settings 15). The first time the button is pressed, the OSD window for the current screen format appears on the screen. The picture format changes if the button is pressed again or at any other time. The window disappears approx. 5 seconds after the last procedural step is carried out. 1. 2. 3. Press the EXIT button to quit the menu. The set automatically switches to standby mode after the specified time has elapsed.

19 Operation Childproof lock 1. 2. 3. Open the Lock menu: Press MENU button. Select Lock in the Main menu using arrow buttons Y//. Press arrow button \bar{y} to move the green marker to the Lock menu. To block an individual channel, select it and confirm each selection by pressing the red button (On). The blocked channels are indicated by the \$ icon. 4. Conversely, the individual channels can be unblocked by pressing the green button (Off).

The \$ icon disappears. 5. Quit the menu by pressing the EXIT button. 6. Then open the Childproof lock menu.

Select the Parental control line and set it to On. 7. Press the OK button to store the setting. 8. Quit the menu by pressing the EXIT button.

The childproof lock is only active for the channels marked with a dollar sign \$. A message requesting code input appears on the screen if the Childproof lock menu is then selected. The Childproof lock menu appears only after the correct Code has been input using the numeric buttons (0-9). 3. 4. 5. Use arrow buttons Y// to select the individual menu items. Use arrow buttons / \bar{y} to modify the relevant settings or data. Entering or changing the security code: Select Change code and enter a 4-digit code using numeric buttons (0-9). Enter the same number combination for Confirm code.

2. Press the OK button to store the settings. As a precaution, you should note down your selected security code. 1. Note: The screen is blank if a blocked channel position is selected. The Programme under Parental control window appears. The security code only has to be entered once. It can, however, be modified at any time when the childproof lock is not activated. If the childproof lock is activated, access to the Install. menu, the Pr. set menu, the Pref. menu and the Reset menu is blocked. The Scart sockets on the rear of the unit are also blocked if the childproof lock is activated. If you forgot the security code, please consult the technical customer services department or ask your dealer. PIC (Picture in computer) While viewing a PC picture, you can insert a video picture.

The inserted picture can be from the antenna or from a Scart socket. Press yellow key on the remote control to display the PIP picture on upper-left corner of the screen. Pressing again yellow key increases the size of the PIP picture. Pressing a third time yellow key erases the PIP picture. While PIP picture is displayed, you can scroll through TV channels with blue key or through AV programmes with green key.

You can also change the PIP position with red key. Security code: _ _ _ _ The safety code 0000 is preprogrammed ex works. Activating the childproof lock: 1. First check whether Off appears in the Parental control line in the Lock menu. Quit the menu by pressing the EXIT button. Press the MENU button three times to display the station list for blocking individual channels for child protection. 2. Note : the PC resolution should be set to mode of 640x480 to ensure PIP works properly (see page 21). 20 Operation Resetting to delivery status Open the Reset menu: 1. Press MENU button.

2. Select Reset in the Main menu using arrow buttons Y//. 3. Press arrow button \bar{y} to move the green marker to the Reset menu. 4. If you press OK button twice, the TV settings are restored to the factory settings, i.e. all channels, the personalised picture and sound settings, the dollar sign markings, the security code for the childproof lock and the timer settings are erased. The message Please wait appears during this process. The message Reset completed then appears on the screen.

Quit the menu by pressing the EXIT button. Disconnect the unit from the mains by unplugging it. Reconnect the unit to the mains. When the unit is switched on again using the mains switch (1) or the button on the remote control, the initial start-up procedure appears on the screen (see page 13). 5.

6. 7. En Note: It is impossible to reset the TV to its original delivery status if the childproof lock is activated. En PC mode Selecting inputs A PC can be connected to the device via VGA socket (B), or a PC or another digital signal source can be connected via DVI socket (C) (see section Connecting auxiliary equipment on page 25). 1.

The VGA input is selected via a selection menu. This appears on the screen if you press the AV button.



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2. Select PC or DVI by pressing the arrow buttons Y//. 3. Press the OK button to store the setting. Setting the language and adjusting screen settings Open the Picture menu: Press MENU button. Use arrow buttons Y// to select the individual menu items. 3. Use arrow buttons / ÿ to modify the relevant data.

Pressing OK button saves all the changes to the picture format. Press the EXIT button to quit the menu. 1. 2. A window with the settings for the screen resolution (PC), horizontal deflection frequency (HFREQ) and vertical deflection frequency (VFREQ) appears for a few seconds. Note: The television is compatible with Microsoft and Apple operating systems. 21 Operation Teletext Teletext signals... are not always transmitted for the whole duration of the broadcasting time by all programmers.

A prerequisite for teletext is good reception. Fine tuning (see page 14) must be set accurately. If problems arise, however, the authorised dealer should check the antenna system. TOP and FLOF Videotext are an improvement of the Videotext system: a menu line is transmitted in addition to the Videotext. Not all teletext Programs support TOP or FLOF teletext.

Navigation in teletext with TOP or fast-text differs from navigation in standard teletext. Selecting teletext Teletext mode: Press the blue button. The contents menu is displayed on page 100. Page memory facility This LCD TV has a comprehensive videotext memory facility, which means you can open most pages instantly. After switching on the television or changing the channel, the videotext pages are only in the memory once the complete cycle of pages (depending on the television station) has been run through.

This can take up to 75 seconds. In the case of multiple pages, the memory storage time may take longer depending on the number of subpages in question, as these can only be transmitted one after the other by the television station. Which pages are stored in the memory? · Page 100; contents menu · 4 favourite pages · At least 5 previous pages (red button) · At least 30 subsequent pages (green button) · The first page of each of the next 4 chapters (yellow button) · The first page of each of the next 3 topics (blue button) · Approximately 10 subpages of the page currently displayed · At least 4 "link" pages with FLOF text The remaining memory is filled up with the following pages. Favourite pages If you switch to teletext mode directly upon switching on the television set or after changing channels, the contents menu will not appear immediately. Select a desired page: All pages can be selected using the numeric buttons (0-9) . The three positions of the total page number are entered one after the other. Television mode: To return to television mode, press EXIT button. Up to 4 favourite pages can be selected for each channel. These can be opened directly by pressing the function buttons assigned, F1-F2-F3-F4. Selecting favourite pages: While in normal viewing mode, open the Pr.

set menu: Press the MENU button. Select Pr. set in the Main menu using arrow buttons Y//. Press the right-hand arrow button ÿ to move the green marker in the Pr. set menu. 22 Operation Use arrow buttons Y// to select the individual menu items. Use arrow buttons / ÿ to modify the relevant data. In the Program line, enter the number of the channel to which the favourite pages will be allocated. Name displays the relevant television station abbreviation automatically.

Enter the desired page numbers in the lines TXT-page 1 to TXT-page 4 as follows: · Select one of the TXT-page.

.. lines. · Press arrow button / ÿ; the page number is displayed in red. · Enter the desired 3-digit page number using numeric buttons (0-9).

The page number returns to green. · Select the next TXT-page... line, and so on.

Press the OK button to store the settings. Press the EXIT button to quit the menu. If the relevant function buttons F1-F2-F3-F4 are pressed during normal television operation, the teletext page assigned appears on the screen immediately. To exit teletext, press the EXIT button. TOP / FLOF teletext If the television detects TOP or FLOF Teletext, the TOP/FLOF information is displayed in the last line. Pressing the respective colour button carries out the relevant function. red button () scroll down one page green button (+) scroll forward one page yellow button blue button (P100) the table of contents on Teletext page 100 is automatically displayed. (Mix) the television image is faded into the Teletext page. Press the button again to display the normal text page. En Note: In standard text, if no TOP or FLOF is detected, the standard line is displayed instead of the TOP/FLOF line.

Multiple pages Multiple pages run under a page number, however, consist of several subpages which are automatically activated one after the other. They may be displayed, for example, in the following way: En Pressing the coloured buttons selects these pages directly. red button () scroll down one page green button yellow button blue button (+) scroll forward one page next section next topic Opening subpages: For a single displayed videotext page, approximately 4 subpages are stored in the memory. If these are already in the videotext memory, you can open them as follows: · Press up arrow button Y to activate the subpage function. · Open the desired subpage in ascending or descending order using red button or green button or · enter the desired page directly as a 4-digit number using the numeric buttons (0-9). Each subpage will appear on screen as selected. Press the down arrow button / to deactivate the subpage function. If, for example, Current is displayed in the yellow column of the TOP/ FLOF line, you can call up this page by pressing the yellow button. By pressing the MENU button once, the standard line , +, P 100 and Mix is displayed in colour instead of the TOP/FLOF line. 23 Operation Other teletext functions Press MENU button twice (with standard text press once) to display information lines for other functions; Zoom, Reveal, Stop and CS01-07. Current message To display the current message in the television Program being shown, enter the number of the teletext page with the current content, e.g. last message using numeric buttons (0-9). The current message appears in the active television picture. Subtitle mode Subtitles are faded into the image synchronously to a television program.

They help deaf viewers or viewers with hearing deficiencies e.g. to understand Programs broadcast in foreign languages or provide them with translations for these Programs. · In this case your television set must also be in Teletext operation. · Use your remote control device to select the appropriate teletext page. · To exit subtitle mode, press EXIT button. Red Green Yellow Blue Pressing the respective colour button carries out the relevant function.



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red button green button yellow button blue button Zoom Reveal Stop CS01-CS07 Zoom Reveal Stop CS01-CS07 Press once: the top page half is displayed in double type size. Press twice: the bottom page half is displayed in double type size. Press three times: the full text page appears. @@To fade out the information, press the button again. to stop subpages, for further scrolling, press the button again. @@@@Only use the correct cables. Only switch the unit on once all connections are correctly made. @@Connect the antenna/cable system plug with the antenna input on the video recorder, and the antenna output on the video recorder with the antenna socket for the TV set.

In the Program menu, assign a free channel position to the output channel of the video recorder. The Scart connection Ñ provides optimised picture and sound quality for recordings from the satellite receiver. The connection Ö is recommended for optimised playback. The necessary fully configured Scart cable is available at your specialised dealers. Connecting to external AV sources AV signal Connect a video recorder, for example, to Scart socket E (Scart 1). @@@@from a DVD player, digital SAT receiver or games console, can also be fed in using Scart socket E. For RGB output the horizontal picture position can also be adjusted. This is carried out in the Picture menu. Press the red button to open the Picture menu: Use arrow buttons Y// to set the desired source. To activate, press the OK button.

Press the EXIT button to quit the menu. · Select AV 1, AV 2 or AV 3 to reproduce the AV signal: AV 1: Scart socket E AV 2: Scart socket F AV 3: Scart socket D (only 23LB020S4 and 30LB020S4) · Select RGB to reproduce the RGB signal (the playback device must be connected to Scart socket E). · Select S-VHS to reproduce the S-VHS signal (the playback device must be connected to Scart socket F). Select the Picture position line using arrow buttons Y// and set them using arrow buttons /ÿ. S-Video signal output Connect the S-Video video recorder or S-Video camcorder to the Scart socket F for playback.

NTSC standard playback In addition, playback of the NTSC standard 3.58 MHz and 4.43 MHz is possible via the Scart socket E. Selecting sockets The connection sockets can be selected using a selection menu. This appears on the screen if you press the AV button.

26 Auxiliary equipment Select from the following possibilities for Source: The tuner signal is looped through and is output from Scart socket E. Scart 1 The AV signal is input via Scart socket E, e.g. for video recorders, analogue satellite receivers, DVD players, etc. AV 2 The AV signal is input via Scart socket F, e.g. for video recorders, analogue satellite receivers, DVD players, etc. AV 3 The AV signal is input via Scart socket D, e.g. for video recorders, analogue satellite receivers, DVD players, (only 23LB020S4, etc.

30LB020S4) 5. Tuner 6. 7. Use the arrow buttons /ÿ to set AV 2 (15LB020S4, 20LB020S4) or AV 3 (23LB020S4, 30LB020S4) as the input signal. The copying procedure can now be started. Press the OK button to store the settings. Press the EXIT button to quit the menu. Note: Pref. menu for Scart 1 out determines which signal is output at Scart socket E. This setting is automatically valid for all channel positions.

The tuner signal is looped through and is output from Scart socket E. AV 2 The signal from the unit connected to Scart socket F is available as an output signal from Scart socket E. AV 3 The signal from the unit connected to Scart socket D is available as an output signal (only 23LB020S4, from Scart socket E. 30LB020S4) En Tuner RGB S-Vid. The RGB signal (red-green-blue) is fed in via blue Scart socket and has the best picture quality (most suitable for digital SAT receivers, DVD players and games consoles, etc.

) The S-VHS signal is fed via the blue Scart socket, e.g. for S-VHS video recorders, etc. En Additional devices with switching voltage If, e.g. the video recorder connected to one of the Scart sockets supplies a so-called switching voltage, the television automatically switches to the appropriate Scart socket (when the PLAY button on the video recorder is activated). The television set only reacts when the switching voltage is active. The channel position can be changed at any time, if necessary. Copy function / recording via Scart sockets If, for example, a tape is copied from one video recorder to another, recording can take place via Scart sockets D and E. Any Program can be viewed while being copied. Connect the playback video recorder to Scart socket D and the recording video recorder to Scart socket E. 1. Open the Install. menu for this. Press MENU button.

2. Select Install. in the Main menu using arrow buttons Y//. 3. Press the right-hand arrow button ÿ to move the green marker in the Install. menu. 4. Select AV 1 output out using arrow buttons Y//. Assigning the Scart sockets 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 Audio out, right Sound input right Sound output left Audio, earth Blue input, ground Audio in, left (mono) Blue input Switching voltage Green input, ground Green input Red in, earth Fast blanking, ground Red in, S-VHS Chroma Blanking signal, ground Video output, ground Video input, ground Video output Video in, S-VHS Luma Shield 27 Index Index AV signal 25 Batteries 10 Brightness 15 Burn-in images 7 Channel position settings 16 Channel search 13 Childproof lock 20 Cleaning 6 Clock 19 Connection External equipment 9 Picture and sound 15 Adjusting the picture settings 15 Adjusting tone settings 16 Picture quality 7 Place of installation 6 Quick guide 4 Connecting to the mains power supply 4 Front of unit 4 Selecting channels 5 Selecting inputs 5 Selecting TV mode on the remote control 5

Sockets on the rear of the unit 4 Switching on the LCD TV 5 Switching the LCD TV to standby mode 5 Television reception via Scart socket (e.g. SAT or cable receiver) 5 Television reception via the antenna cable 5 Connection Connection elements on the side of the unit 8 Connections 8 Antenna / cable connection 9 Connecting auxiliary equipment 25 Connecting the headphones 9 Connecting to external AV sources 25 Connection elements on the rear of the unit 8 Mains connection 9 RGB signal 26 Risk of burning-in 7 Scope of delivery 7 Setting channels 13 Deleting channels 15 Direct channel input 14 Fine tuning 14 Setting the transmitter automatically 14 Sorting channels 15 Unit configuration 13 Contrast 15 Copy function / recording via Scart sockets 27 Freeze-frame 7 Initial startup procedure 12 Menu language 12 Standard sound 12 TV standard 12 Setting up channel positions for external units 26 Sleep mode 13 Sockets 26 Special functions 19 Childproof lock 20 Clock 19 Fade-in display window 19 Format 19 List 19 Resetting to delivery status 21 Teletext pages 19 The function buttons 19 Timer 19 Instructions for waste disposal 6 LCD TV 30LB020S4 Setup and installation 7 Speaker connection 7 Lock code 20 Maintenance 7 Menu navigation 12 NTSC standard 26 Operating elements 10 Front of TV 10 Remote control 10 Standby 7 S-VHS signal 26 Teletext 22 The Dolby Virtual Surround Sound Decoder 17 The Panorama Sound decoder 17 Timer 19 Tone 15 Transportation 6 Operation 13 Channel selection 13 Sleep mode 13 Switching on/off 13 PC mode 21 Selecting inputs 21 Setting the language and adjusting screen settings 21 28 .



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