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You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI L22DP04U. You'll find the answers to all your questions on the HITACHI L22DP04U in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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User guide HITACHI L22DP04U
Operating instructions HITACHI L22DP04U
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30 English - 1 - Accessories INFO Introduction Thank you for choosing this product. This manual will guide you for the proper operation of your TV. Before operating the TV, please read this manual thoroughly. Batteries: 2 X AAA Please do keep this manual in a safe place for future references. SLEEP SCREEN SOURCE PRESETS RETURN MENU Preparation For ventilation, leave a free space of at least 10 cm all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set. FAV LANG. SUBTITLE EPG / Instruction Book Use this device in moderate climates. Remote Controller Quick Guide Features · Remote controlled colour LCD TV. · Fully integrated digital TV (DVB-T).

· HDMI connectors for digital video and audio. This connection is also designed to accept high definition signals. · USB input. · 200 programmes from VHF, UHF(analogue). · 500 programmes for digital mode (IDTV).

· OSD menu system. · Scart socket for external devices (such as video, video games, audio set, etc.). · Stereo sound system. · Teletext, fastext, TOP text. · Headphone connection. · Automatic programming system. · Forward or backward manual tuning. · Sleep timer. · Child lock. · Automatic sound mute when no transmission. · NTSC playback. · AVL (Automatic Volume Limiting). · When no valid signal is detected, after 5 minutes the TV switches automatically to standby mode. · PLL (Frequency Search).

· PC input. · Plug&Play for Windows 98,ME,2000,XP, Vista. · Game Mode. Safety Precautions Please read the following recommended safety precautions carefully for your safety. SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

***** DO read the operating instructions before you attempt to use the equipment. DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections. DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment. DO be careful with glass panels or doors on equipment.

DO route the mains lead so that it is not likely to be walked on, crushed, chafed, or subjected to excessive wear and tear or heat. ***** English - 2 - DON'T remove any fixed cover as this may expose dangerous voltages. DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment. DON'T allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires. DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions. DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing. DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people. DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult your dealer. Power Source The TV set should be operated only from a 220-240 V AC, 50 Hz outlet. Ensure that you select the correct voltage setting for your convenience. Power Cord Do not place the set, a piece of furniture, etc. on the power cord (mains lead) or pinch the cord. Handle the power cord by the plug.

Do not unplug the appliance by pulling from the power cord and never touch the power cord with wet hands as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be placed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electric shock. When it is damaged and needs to be replaced, it should be done by qualified personnel.

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Moisture and Water Do not use this device in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this device to rain or water, as this may be dangerous and do not place objects filled with liquids, such as flower vases, on top. Avoid from dripping or splashing. If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

Cleaning Before cleaning, unplug the TV set from the wall outlet.

Do not use liquid or aerosol cleaners. Use soft and dry cloth. Ventilation The slots and openings on the TV set are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway. Heat and Flames The set should not be placed near to open flames and sources of intense heat such as an electric heater.

*Ensure that no open flame sources, such as lighted candles, are placed on top of the TV. Batteries should not be exposed to excessive heat such as sunshine, fire or the like. ABOVE ALL --- NEVER let anyone especially children push anything into holes, slots or any other opening in the case - this could result in a fatal electrical shock; --- NEVER guess or take chances with electrical equipment of any kind --- it is better to be safe than sorry! *****s, source OSD will be displayed. Main menu OSD cannot be displayed via control buttons. Viewing the Connections- Back Connectors 1.*

SCART socket inputs or outputs for external devices. Connect the SCART cable between SCART socket on TV and SCART socket on your external device (such as a decoder, a VCR or a DVD player). Note: If an external device is connected via the SCART socket, the TV will automatically switch to AV mode. 2.

PC Input is for connecting a personal computer to the TV set. Connect the PC cable between the PC INPUT on the TV and the PC output on your PC. Component Video Inputs (YpBPr) are used for connecting component video. You can use PC input to enable YPbPr signal sonnection with a device that has component output. Connect the YPbPr to PC cable between the PC INPUT on the TV and the component video outputs of your device. (YPbPr cable is not supplied) 3.

HDMI : HDMI input HDMI Input is for connecting a device that has an HDMI socket. Your LCD Television is capable of displaying High Definition pictures from devices such as a High Definition Satellite Receiver or DVD Player. These devices must be connected via the HDMI sockets or Component Socket. These sockets can accept either 480i, 480p, 576p, 576i, 720p, 1080i, 1080p signals. No sound connection is needed for an HDMI to HDMI connection. 4. RF Input connects to an antenna or a cable. Note that if you use a decoder or a media recorder, you should connect the aerial cable through the device to the television with an appropriate antenna cable, as shown in the illustration in the following pages. When you use the wall mount kit (optional) with the LCD TV, we would definitely recommend to plug all your cables into the back of the LCD before mounting to the wall. English - 6 - Viewing the Connections - Side Connectors 1.

CI Slot is used for inserting a CI card. A CI card allows you to view all the channels that you subscribe to. For more information, see "Conditional Access" section. 2. USB Input (functional in DTV mode only) (optional).

3. Video Input is used for connecting video signals of external devices. Connect the video cable between the VIDEO IN socket on the TV and the VIDEO OUT jack on your device. 4. Audio Inputs are used for connecting audio signals of external devices.

Connect the audio cable between the AUDIO INPUTS on the TV and the AUDIO OUTPUT jacks on your device. Also to enable PC/YPbPr sound connection in such a case, use an appropriate audio cable between the connected device's audio outputs and the TV's audio inputs Note: If you connect a device to the TV via the VIDEO or PC/YPbPr cable (YPbPr cable is not supplied) you should also connect your device with an audio cable to the AUDIO INPUTS of the TV to enable audio. 5. Headphone jack is used for connecting an external headphone to the system. Connect to the HEADPHONE jack to listen to the TV from headphones. 6. Switch is used for turning the TV on or off. Power Connection IMPORTANT: The TV set is designed to operate on 220-240V AC, 50 Hz. After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains. Plug the power cable to the mains socket outlet.

Aerial Connection · Connect the aerial or cable TV plug to the AERIAL INPUT socket located at the rear of the TV. English - 7 - Using Side USB Input · You can connect USB devices to your TV by using the USB input of the TV. This feature allows you to display/play music, photo or video files stored in a USB stick.

· It is possible that certain types of USB devices (e.g. MP3 Players) may not be compatible with this TV. · You may back up your files before making any connections to the TV set in order to avoid any possible data loss. Note that manufacturer will not be responsible for any file damage or data loss. · The TV supports only FAT32 disk formatting. NTFS format is not supported.

If you connect a USB disk with NTFS format, "usb is unformatted" osd will be displayed. · Do not pull out USB module while playing a file. CAUTION: Quickly plugging and unplugging USB devices, is a very hazardous operation. Especially, do not repeatedly quickly plug and unplug the drive. This may cause physical damage to the USB player and especially the USB device itself.

Connecting the LCD TV to a PC For displaying your computer's screen image on your LCD TV, you can connect your computer to the TV set. · Power off both computer and display before making any connections. · Use 15-pin D-sub display cable to connect a PC to the LCD TV. Use an audio cable between audio inputs of the TV (side) and audio output of your PC to enable sound connection. · When the connection is made, switch to PC source.

See "Input selection" section. · Set the resolution that suits your viewing requirements. Resolution information can be found in the appendix parts. SIDE VIEW USB MEMORY USB Memory Connection · Plug your USB device to the USB input of the TV. Note: USB hard disk drives are not supported. English - 8 -

Connecting to a DVD Player If you want to connect a DVD player to your LCD TV, you can use connectors of the TV set. DVD players may have different connectors. Please refer to your DVD player's instruction book for additional information. Power off both the TV and the device before making any connections. Note: Cables shown in the illustration are not supplied.

Using Side AV Connectors You can connect a range of optional equipment to your LCD TV. Possible connections are shown below. Note that cables shown in the illustration are not supplied.



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· For connecting a camcorder, connect to the VIDEO IN socket and the AUDIO SOCKETS. For selecting the related source, see the section "Input selection" in the following parts. · To listen the TV sound from headphones, connect to the HEADPHONE jack of the TV. · If your DVD player has an HDMI socket, you can connect via HDMI. When you connect to DVD player as illustrated below, switch to HDMI source. See, "Input Selection" section. · Most DVD players are connected through COMPONENT SOCKETS. YPbPr can be used only when you connect a device that has a YPbPr output through the PC input with YPbPr to PC cable.

To enable sound connection, use AUDIO IN located side of the TV (D SUB PC-RCA cable is not supported.(optional)). · When the connection is made, switch to YPbPr source. See, "Input selection" section.

· You may also connect through the SCART socket. Use a SCART cable as shown below. Connecting Other Equipment via Scart Most devices support SCART connection. You can connect a; DVD recorder, a VCR or a decoder to your LCD TV by using the SCART socket. Note that cables shown in the illustration are not supplied.

Power off both the TV and the devices before making any connections. For more information, refer to your device's own instruction book. Note: These methods of connection perform the same function but in different levels of quality. It is not necessary to connect by all three methods. English - 9 - Inserting Batteries into the Remote Control Handset · Remove the battery cover located on the back of the handset by gently pulling backwards from the indicated part. · Insert two AAA/R3 or equivalent type batteries inside. Place the batteries in the right directions and replace the battery cover. Input Selection Once you have connected external systems to your TV, you can switch to different input sources. · Press SOURCE button on your remote control for directly changing sources. or · Select "Source" option from the main menu by using " " or " " button.

Use then " " or " " button to highlight an input and press " " button to select. Note: You can mark desired source options by pressing the OK button.

Therefore, when SOURCE button is pressed, only the marked source options will be available (except for the TV source). Note: Remove the battery from remote control handset when it is not to be used for a long period. Otherwise it can be damaged due to any leakage of batteries. Switching the TV On/Off To Switch the TV On · Connect the power cord to the 220-240V AC 50 Hz. · Switch the " " button to position "1" so the TV will switch to standby mode. Then the standby LED lights up. · To switch on the TV from standby mode either: · Press the " " button, P+ / P- or a numeric button on the remote control. · Press the -P/CH or P/CH+ button on the TV.

Note : YPbPr mode can be used only when you connect a device that has a YPbPr output through the PC input with YPbPr to PC cable (YPbPr cable is not supplied). Basic Operations You can operate your TV using both the remote control and onset buttons. Operation with the Buttons on the TV Main menu OSD cannot be displayed via control buttons. "+/-" buttons will function as volume up/down as default. Even if you set other functions for these buttons, "+/-" buttons will perform as default after a short while.

The TV will then switch on. Note: If you switch on your TV via PROGRAMME UP/DOWN buttons on the remote control or on the TV set, the programme that you were watching last will be reselected. By either method the TV will switch on. To Switch the TV Off · Switch the " " button to position 2 as illustrated, () so the TV will switch OFF. · To power down the TV completely, unplug the power cord from the mains socket.

Note: When the TV is switched to standby mode, standby LED can blink to indicate that features such as Standby Search, Over Air Download or Timer is active. NB. The power switch is located at the rear of the set. You can also press " " button on the remote control or on the TV to put the set into standby. Volume Setting · Press "P/V/AV" button once and then use "+/-" buttons to increase or decrease volume, so a volume level scale (slider) will be displayed on the screen. Programme Selection · Press "+/-" to select the next or previous programme. AV Mode · Hold the "P/V/AV" button, source OSD will be displayed. Operation with the Remote Control · The remote control of your TV is designed to control all the functions of the model you selected. The functions will be described in accordance with the menu system of your TV. English - 10 - · Functions of the menu system are described in the following sections.

Volume Setting · Press "V+" button to increase the volume. Press "V-" button to decrease the volume. A volume level scale (slider) will be displayed on the screen. Programme Selection (Previous or Next Programme) · Press "P-" button to select the previous programme. · Press "P+" button to select the next programme. Programme Selection (Direct Access) · Press numeric buttons on the remote control to select programmes between 0 and 9. The TV will switch to the selected programme. To select programmes between 10-500 (for IDTV) or 10-199 (for analogue), press the numeric buttons consecutively · Press directly the programme number to reselect single digit programmes After Automatic Search is completed, the following message asking for analogue channel search appears on the screen: Initial Settings When the TV is turned on for the first time, the menu for the language selection appears on the screen. The message "Welcome please select your language!" is displayed in all language options sequentially in the OSD. By pressing the " " or " " buttons highlight the language you want to set and press OK button.

@@By pressing " " or " " buttons, select the country you want to set and press OK button (*for EU countries). To search for analogue channels, select "Yes". TV switches to the analogue TV mode. The menu is displayed to search for analogue channels. Select your Country, Language and Text language by using " " or " " and " " or " " buttons.

Press OK or RED button to continue. To cancel, press the BLUE button. For more information on this process, see "Install Menu" section. Note: For proper functioning of digital teletext in DTV mode, you should set country as UK in analogue AUTO PROGRAM (for UK broadcasts only). Do not turn off the TV while initializing first time installation.

General Operation Press the "SOURCE" button on the remote control and select DTV/USB to switch the TV set to digital terrestrial television broadcasting.



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Note: Country selection OSD will not be available for UK. Information Banner · Whenever you change channel, using the P- / P+ button or the numeric buttons, the TV displays the broadcast picture along with an information banner at the bottom of the screen (available only in DTV mode). This will remain on the screen for a few seconds. · The information banner can also be displayed at any time while watching TV by pressing the "INFO" button on the remote control: Press OK button on the remote control to continue and the following message will be displayed on the screen: · To select the "Yes" or "No" option, highlight the item by using " " or " " buttons and press the "OK" button. The IDTV will automatically tune to the UHF or VHF(*) (*for EU countries) transmission channels, searching for digital terrestrial TV broadcasts and displaying the names of channels found. This process will take about a few minutes. If the selected channel is locked, you must enter the correct four numeric code to view the channel. "Enter PIN" will be displayed on the screen in such a case: English - 11 - Electronic Programme Guide (EPG) · Some, but not all, channels send information about the current and next events. Press EPG button to view the EPG menu.

EPG appears on the screen. It is able to get Information of the channel - programs weekly by means of 7-DAY-EPG. All programs of channels are displayed. On the bottom of the screen; info bar, showing all the available commands, will be displayed. Digital Teletext (**for UK only) · Press the " " button. · The digital teletext information appears. · Operate it with the coloured buttons, cursor buttons and OK button. The operation method may differ depending on the contents of the digital teletext. Follow the instructions displayed on digital teletext screen. · When Press "SELECT" button or similar message appears on the screen, press the OK button.

· When the " " button is pressed, the TV returns to television broadcasting. · With digital terrestrial broadcasting (DVB-T), in addition to digital teletext broadcasting together with the normal broadcasting, there are also channels with just digital teletext broadcasting. The aspect ratio (picture shape) when watching a channel with just digital teletext broadcasting is the same as the aspect ratio of the picture viewed previously. · When you press the " " button again, the digital teletext screen will be displayed. RED button (Shrink): makes the info boxes smaller.

GREEN button (Expand): makes the info boxes larger. YELLOW button (Prev. Day): displays the programmes of previous day. BLUE button (Next day): displays the programmes of the next day. INFO (Details): displays the programmes in detail.

Numeric buttons (Jump): go to preferred channel directly via numeric buttons. OK : view for current broadcast/reminders for future programs. SWAP : jumps to the current broadcast. · Press "0" button on the remote control to view Guide Search menu. Using this feature, you can search the programme guide database in accordance with the genre selected or with name match. Analogue Teletext Use of teletext and its functions are identical to the analogue text system. Please do refer to the "TELETEXT" explanations. Widescreen Depending on the type of the broadcast being transmitted, programmes can be viewed in a number of formats. Press the "SCREEN" button repeatedly to change screen format. When Auto is selected, the format being displayed is determined by the picture being broadcasted.

PLEASE NOTE: Menu size changes depending on the chosen image size. Displaying Subtitles With digital terrestrial broadcasting (DVB-T), some programmes are being broadcasted with subtitles. Press the "MENU" button to display the main menu, highlight the Setup and then Language menu using " " or " " button and press the OK button to display the "Language settings" menu. Highlight the "Subtitle" item in "Language settings" menu and use " " or " " button to set Subtitle to the desired language. If "Subtitle" is on and a language option is set, pressing the " " button causes the following warning message display on the screen (**for UK only): Notice ! AC3 audio type is not supported. In this case, Tv sound will be muted. If the broadcast includes AC3 stream, the following warning message will be displayed on the screen: If there is no audio available, the following warning message will be displayed on the screen.: English - 12 - IDTV Menu System Press the " MENU" button. Main menu will be displayed. Note: If you enter the same programme number of the channel that you want to move, "

... channel services will be replaced. Do you want to continue?" OSD will be displayed.

Press OK to confirm or select "No" to cancel. Deleting the Channels in the Channel List Channel List Using the " " or " " button on the remote control, make sure that the first item, Channel List, is highlighted and press the "OK" button to display the Channel List. · Press " " or " " button to select the channel that will be deleted. · Press " " or " " button to select the "Delete" item on Channel List menu. · Press the "OK" button to delete the highlighted channel in the channel list.

Then the message below appears on the screen: Navigating the Entire Channel List Press " " or " " button for selecting the previous or next channel. You can press "RED" or "GREEN" button to move page up or page down. To watch a specific channel, highlight it using " " or " " button and then press "OK" button, while the "Select" item on Channel List menu is highlighted by using " " or " " button. Then the name and number of the selected channel will be displayed in the top-left and top-right of the channel display at the top-right of the screen, respectively. · Press " " or " " button to highlight the desired option. If "OK" button is pressed while "Yes" is highlighted, the highlighted channel is deleted. Selecting "No" cancels the deletion. Renaming Channels To rename a specific channel, the channel must be highlighted by pressing " " or " " button. Then highlight the Edit Name item by pressing " " or " " button as illustrated below.

Press the "OK" button to activate the rename feature.

Moving the channels in the channel list · Press " " or " " buttons to select the channel that will be moved.



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· Press " " or " " buttons to select the "Move" item on Channel List menu. Following OSD will be displayed next to "OK" item to indicate that enter a number by using the numeric buttons on the remote control and press "OK" to confirm. English - 13 - Now pressing " " or " " button moves to the previous/next character. Pressing " " or " " button toggles the current character, i.e., 'b' character becomes 'à' by " " and 'ç' by " ". Pressing the numeric buttons 0...9 replaces the highlighted character with the characters printed above the button one by one as the button is pressed. Press the "MENU" button to cancel the editing or OK button to save the new name. · F icon indicates that a channel is added to Favourite List. Removing a Channel from Favourite List · Highlight the channel that you want to remove from the favourite list and press OK button to remove. You can press "OK" button again to re-add a channel. · To activate Favourites, go to the Configuration menu and select Favourite mode. Use " / " to set Favourite mode as on. To cancel Favourites, set Favourite Mode to Off. On Screen Help For all menus, press the INFO button to display the help information about the menu functions. Adding Locks to Channels Channel locking provides a password-protected access to channels selected by parents.

In order to lock a channel you should know the parental lock password (default value is set to 0000 in the factory and can only be changed from the Configuration menu). Select the channel to be locked by highlighting it and select the Lock option by pressing " " or " " button. When the "OK" button is pressed, a dialog OSD asking for the password will be displayed. Program Guide This section is same with the instructions given in the General Operations page. Please see Electronic Programme Guide (EPG) section in the General Operations part. Timers Enter the password by using the numeric buttons on the remote control. The lock icon " " will now be displayed next to the selected channel. Repeat the same operation to cancel the lock. Setting Favourites To set a favourite you should highlight the "Favourites" item at the bottom of the Channel List menu. Then press "OK" button and Edit Favourite List menu appears on the screen.

To display timers window, activate the item from the main menu. To add a timer, press the YELLOW button on the remote control. Then "Add Timer" window appears. Channel: " " or " " keys will navigate the user through the TV or Radio list. Date: Starting date is entered via the Left/Right or the numeric buttons. Start: Starting time is entered via the Left/Right or the numeric buttons. End: Ending time is entered via the Left/Right or the numeric buttons. Change/Delete: permits or prohibits any modifications for other users. How to Add a Channel to a Favourites List · By pressing " " or " " buttons, highlight the channel that you want to add to the favourite list. · By pressing "OK" button, the highlighted channel is added to the Favourite List.

English Duration: Duration between Start and End time. Repeat: You can set a timer to be repeated as Once, Daily or Weekly. You can save the adjustments by pressing the GREEN key or cancel the process by pressing the RED button. - 14 - You can edit the list via GREEN key and delete with the RED button.

Configuration You can configure the settings of your TV.

Select Configuration from Setup menu and press "OK" to view this menu. Press the "EXIT" button on the remote control to exit. Conditional Access · Press the "MENU" button to display the main menu and use the " " or " " button to highlight the "Conditional Access" line and press the "OK" button: Some Digital Terrestrial channels operate on a Pay Per View basis. These require a subscription and a hardware decoder. Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to a pay channel company, then insert those to the TV using the following procedure.

· Switch off the TV and unplug from the mains. · The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted. · Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated. · Some CAMs may require the following set up. Please set the CAM by entering the IDTV menu, Conditional Access then pressing the "OK" button. (CAM set up menu is not displayed when it is not required.) · To see the viewing contract information: enter IDTV; press the "MENU" button, then highlight Conditional Access and press the "OK" button. · When no module is inserted, "No Conditional Access module detected" message appears on the screen. · Refer to the module instruction manual for details of the settings.

Note: Insert or remove the CI module only when the TV is switched off or in standby mode. Hard of Hearing (* for EU countries only) Use " " or " " button to select Hard of Hearing and then press " " or " " button to set this setting as On or Off. If the broadcaster enables any special signal concerning the audio, you can set this setting as On to receive such signals. Favourite Mode Use this function to enable or disable favourite mode. Press " / " button to set this function as on or off. Channel List Use " " or " " buttons to go to Channel List option. Use " " or " " buttons to toggle Channel List Mode. If you select "TV Only", with the " " or " " buttons, you navigate through only TV channels. If you select "Radio Only", with the " " or " " buttons, you navigate through only radio channels. If you select "Text Only", with the " " or " " buttons, you navigate through only text channels.

TV Setup You can use this item to display the TV functions. The digital TV Setup menu screen is accessed from the main menu. Press the "MENU" button to display the main menu and use " " or " " button to highlight "TV Setup"; press the "OK" button to display TV Setup menu screen. Scan Encrypted Scan Encrypted Channel feature will always be ON after performing first time installation. When this setting is on, search process will locate the encrypted channels as well.

If it is set as OFF manually, encrypted channels will not be located while in automatic search or manual search.



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This process is same as described in Automatic Search section.

Media Browser · To display Media Browser window, press either "MENU" button on the remote control and then select Media Browser by pressing " " or " " button. English - 18 - Press "OK" button to continue. Media Browser menu contents (depending on the contents of your USB drive) will be displayed. · Also, when you plug a USB device, the following screen will be displayed: Viewing JPG Files Select YES by pressing " " or " " button and press OK button.

Media browser will be displayed. Jump (1...9 buttons) : jump to selected file using the numeric buttons.

OK : (OK button) views the selected picture in full screen. Slideshow (button) : starts the slideshow with all pictures in the folder. Slideshow Options · You can play music, picture and video files from a USB memory stick. Note: If you plug USB stick while in analogue mode, the TV will automatically switch to digital TV mode. Note: Some USB compliant devices may not be supported. Note: If the USB stick is not recognized after power off/on or First Time Installation, first, plug the USB device out and power off/on the TV set. Plug the USB device in again. Playing MP3 Files Pause (Continue (button) : Pause the slideshow. button) : Continue with the slideshow. buttons) : Jump to previous or slideshow.

Previous/Next (next file of buttons) : Rotate the picture using up/ Rotate (down buttons. Return/Back : Back to file list. button) : Shows the files randomly and Shuffle (continuous in current folder and icon turns the highlighted icon. If during a slideshow the shuffle mode is enabled, the next pictures will be chosen randomly (If the loop function is not enabled, the slideshow will stop at the end. If the loop function is enabled, after the slideshow ends, it will start again and again). Loop (button) : Slideshow goes on continuously and icon turns the highlighted icon. Info : Activates the operations bar. Play This (OK button) : Plays the selected file. Play (button) : Plays all media files in the folder starting with the selected one. Pause (Stop (button) : Pause playing file.

button) : Stop the playing file. buttons) : Jumps to previous or Previous/Next (next file to play. Shuffle (INFO button) : Plays the files randomly. If shuffle mode is enabled, previous/next function will also jump to the tracks randomly. Loop (button) : Plays the selected file repeatedly.

English - 19 - Video Playback Press " " or " " button to select Mode. Press " " or " " button to choose from one of these options: Cinema, Dynamic and Natural. Brightness/Contrast/Colour/Sharpness/ Hue Press " " or " " button to select the desired option. Press " " or " " button to set the level. Note: Hue option can only be visible when the TV receives an NTSC signal.

Colour Temp Play (Stop (Pause (Rewind (Forward (button) : Starts the video playback. button) : Stops the video playback. button) : Pause the video playback. button) : Goes backward. button) : Goes forward. Press " " or " " button to select Colour Temp. Press " " or " " to choose from one of these options: Cool, Normal and Warm. Note: · Setting Cool option gives white colours a slight blue stress. · Setting Warm option gives white colours a slight red stress. · For normal colours, select Normal option.

Menu (MENU button) : Sets subtitle/Audio. · You can set subtitles by using "OK" button before starting the playback or by using MENU button during the playback. Note: -Selected subtitles may not be displayed correctly in some cases. -In order to display movie subtitles correctly, you should set a "Movie Subtitle" language. See the section, "Movie Subtitle" in "Language Settings" for selecting Movie Subtitle language. Noise Reduction If the broadcast signal is weak and the picture is noisy, use Noise Reduction setting to reduce the noise amount. Press " " or " " button to select Noise Reduction. Press " " or " " to choose from one of these options: Low, Medium, High or Off. Press "STOP" button to switch back to previous menu. Film Mode Films are recorded at a different number of frames per second to normal television programmes.

Press " " or " " button to select Film Mode. Press " " or " " button to set this feature On or Off. Turn this feature on when you are watching. films to see the fast motion scenes clearly. Analogue TV Menu System Picture Menu Game Mode Select Game Mode by pressing " " or " " button.

Use " " or " " button to set Game Mode as On or Off. When Game Mode is set to On, specific game mode settings, which are optimized for better video quality, will be loaded. Also; Picture Mode, Contrast, Brightness, Sharpness, Colour and Colour Temp settings will be invisible and disabled while Game Mode is on. Note: Picture mode selection button on the remote control will have no function while Game Mode is on. Picture Zoom Mode For your viewing requirements, you can set the related mode option.

Select Picture Zoom by pressing " " or " " button. Use " " or " " buttons, to change picture zoom to Auto, 16:9, 4:3, Panoramic, 14:9, Cinema, Subtitle or Zoom. English - 20 - Store Press " " or " " button to select Store. Press " " or OK button to store the settings. "Stored..." will be displayed on the screen. Balance This setting is used for emphasizing left or right speaker balance. Press " " or " " button to select Balance.

Press " " or " " button to change the level of the balance. Balance level can be adjusted between -32 and + 32. Reset Press " " or " " button to select Reset. Press " " or " " or OK button to reset the picture modes to factory default settings. Headphone Press " " or " " button to select Headphone. Press " " button to view the headphone menu. Headphone sub-menu options are described below: Sound Menu Volume Press " " or " " button to select Volume. Press " " button to increase headphone volume level. Press " " button to decrease headphone volume level. Headphone volume level can be adjusted between 0 and 63. Sound Mode Press " " or " " button to select Sound Mode. Using " " or " " button, you can select Mono, Stereo, Dual I or Dual II mode, only if the selected channel supports that mode. AVL Volume Press " " or " " button to select Volume. Press " " or " " button to change the level of the Volume.



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Automatic Volume Limiting (AVL) function adjusts the sound to obtain fixed output level between programmes (For instance, volume level of advertisements tend to be louder than programmes).

Press " " or " " button to select AVL. Press " " or " " button to set the AVL as On or Off. Equalizer Press " " or " " button to select Equalizer. Press " " button to view equalizer menu. Store Press " " or " " button to select Store.

Press " " or OK button to store the settings. "Stored..." will be displayed on the screen. Feature Menu Press " " or " " button to change the preset. In equalizer menu, the preset can be changed to Music, Movie, Speech, Flat, Classic and User. Select the desired frequency by pressing " " or " " button and increase or decrease the frequency gain by pressing " " or " " button. Press the "MENU" button to return to the previous menu. Note: Equalizer menu settings can be changed only when the Equalizer Mode is in User.

English - 21 - Sleep Timer Press " " or " " button to select Sleep Timer. Use " " or " " button to set the Sleep Timer. The timer can be programmed between Off and 120 minutes in steps of 10 minutes. If Sleep Timer is activated, at the end of the selected time, the TV goes automatically to standby mode. HDMI PC Full Mode If you want to view PC screen in HDMI mode by using external connection, HDMI PC FULL MODE option should be On to adjust the screen ratio correctly. This item might be inactive in some resolutions. Note: If you connect an HDMI device and switch the TV to HDMI mode, this feature will be visible (except for 1080i/1080P resolution). Child Lock Press " " or " " button to select Child Lock. Use " " or " " button to set the Child Lock On or Off. When On is selected, the TV can only be controlled by the remote control handset.

In this case the control panel buttons will not work. Hence, if one of those buttons is pressed, Child Lock On will be displayed on the screen when the menu screen is not visible. Full Mode (optional) If you connect a device via HDMI or YPbPr connectors and set 1080i/1080P resolutions, Full Mode item will be visible. You can set Full Mode as 1:1 or Normal by using " " or " ". If you select 1:1, screen ratio will be adjusted correctly.

If you set Normal, screen ratio may expand. Ext Out Press " " or " " button to select Ext Out. Use " " or " " button to set the Ext Out as On or Off. Note: For copying from a DVD or VCR device, you should choose desired source from source menu and turn "On" to EXT Out from feature menu. Ext Out should be On in order to use Timers function in the DTV mode.

Language Press " " or " " button to select Language. Use " " or " " button to select the Language. Default Zoom While zoom mode is set as AUTO, the TV will set the zoom mode in accordance with the signal of the broadcast. If there is no WSS or aspect ratio information, the TV will then use this setting to adopt.

Press " " or " " button to select Default Zoom. You can set Default Zoom to Panoramic, 16:9, 4:3 or 14:9 by pressing " " or " " button. Install Menu Blue Background If the signal is weak or absent, the TV will automatically change to a blue screen. To enable this, set Blue Background to On. By pressing " " or " " button, select Blue Background. Press " " or " " button to set Blue Background as On or Off.

Menu Background Press " " or " " button to select Menu Background. You can set menu background level by pressing " " or " " button. Menu Timeout To set a specific display timeout for menu screens, set a value for this option. Press " " or " " button to select Menu Timeout. Use " " or " " button to change menu timeout to 15 sec, 30 sec or 60 sec. Program Press " " or " " button to select Program. Use " " or " " button to select the program number. You can also enter a number using the numeric buttons on the remote control. There are 200 programme storage between 0 and 199. Teletext Language Press " " or " " button to select Teletext Language.

Use " " or " " button to change Teletext Language to West, East, Turk/Gre, Cyrillic, Arabic or Persian. Band Band can be selected either C or S. Press " " or " " button to set Band. English - 22 - Channel Channel can be changed by " " or " " button or numeric buttons. Colour System Press " " or " " button to select Colour System.

Use " " or " " button to change the colour system to PAL, PAL 60, SECAM or AUTO. Sound System Press " " or " " button to select Sound System. Press " " or " " button to change the sound system to BG,DK, I, L or L'. Fine Tune Press " " or " " button to select Fine Tune. Press " " or " " button to adjust the tuning.

Search Press " " or " " button to select Search. Use " " or " " button to start programme searching. You can also enter the desired frequency using the numeric buttons while Search item is highlighted. By moving the cursor in four directions you can reach 20 programmes in the same page. You can scroll the pages up or down by pressing the navigation buttons to see all the programmes in TV mode (except for the AV modes). By cursor action, programme selection is done automatically. Name To change the name of a programme, select the programme and press the RED button. The first letter of the selected name will be highlighted. Press " " or " " button to change that letter and " " or " " button to select the other letters. By pressing the RED button, you can store the name.

Store Press " " or " " button to select Store. Press " " or OK button to store the settings. "Stored..." will be displayed on the screen. Install Menu in AV Modes The following screen appears in the install menu when the TV is in AV modes. Note that limited options will be available. Switch to TV mode for viewing complete version of the Install menu. Move Select the programme which you want to move by navigation buttons.

Press the GREEN button. By navigation buttons move the selected programme to the decided programme space and press the GREEN button again. Delete To delete a programme, press the YELLOW button. Pressing the YELLOW button again erases the selected programme from the programme list, and the following programmes shift one line up.



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APS (Auto Programming System) When you press the **BLUE** button for starting automatic tuning, Auto Programming System menu will appear on the screen: Colour System Press " " or " " button to select Colour System.

Use " " or " " button to change the colour system to PAL, SECAM, PAL60, AUTO, NTSC 4,43 or NTSC 3,58. Store Press " " or " " button to select Store Program. Press " " or "OK" button to store the settings. "Stored..

" will be displayed on the screen. Program Table Select Program Table by pressing " " or " " button. Press " " to display Program Table: English - 23 - Press " " or " " button to select your country. If you want to exit from A.P.S. function, press the **BLUE** button. When you press **OK** or **RED** button for starting automatic tuning, all stored programmes will be erased and the TV will search for available channels. During the search, the following OSD will be displayed: Whenever you press the **BLUE** button, APS function stops and Program Table appears on the screen.

If you wait until the end of APS, Program Table will be displayed with the programmes found and located. Autoposition If you shift the picture horizontally or vertically to an unwanted position, use this item to put the picture into correct place automatically. This setting therefore automatically optimizes the display.

Select Autoposition item by using " " or " " buttons. Press "OK" or " ", " " button. Warning: Please ensure auto adjustment is performed with a full screen image to ensure best results. Source Menu Press " " or " " button and select the sixth icon. Then press " " or "OK" button. Source menu appears on the screen:

H (Horizontal) Position This item shifts the image horizontally to right hand side or left hand side of the screen. Select H Position item by using " " or " " button.

Use " " or " " button to adjust the value. **V (Vertical) Position** In source menu, highlight a source by pressing " " or " " button and switch to that mode by pressing " " button. Source options are; TV, DTV/USB, DVD, EXT-1, FAV, HDMI, YPbPr and PC-VGA. Note: Once you have connected optional equipment systems to your TV, you should select the required input to view pictures from that source. Note: YPbPr mode can be use only when you connect a device that has a YPbPr output through the PC input with YPbPr to PC cable (YPbPr cable is not supplied).

This item shifts the image vertically towards the top or bottom of the screen. Select V Position item by using " " or " " button. Use " " or " " button to adjust the value. Phase Depending on the resolution and scan frequency that you input to the TV set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by trial and error method.

Select Phase item by using " " or " " buttons. Use " " or " " button to adjust the value. **PC Mode Menu System** See "Connecting the LCD TV to a PC" section for connecting a PC to the TV set. For switching to PC source, press "SOURCE" button on your remote control and select PC input. You can also use "Source" menu to switch to PC mode. Note that PC mode menu settings are available only while the TV is in PC source. Dot Clock Dot Clock adjustments correct the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts. Select Dot Clock item by using " " or " " buttons. Use " " or " " button to adjust the value. **PC Position Menu** Select the first icon by pressing " " or " " button.

PC Position menu appears on the screen: **PC Picture Menu** For adjusting PC picture items, do the following: Press " " or " " button to select the second icon.

PC Picture menu appears on the screen. English - 24 - Brightness, Contrast, Colour and Colour Temperature settings in this menu are identical to settings defined in TV picture menu under "Analogue TV Menu System". Note: If you set Colour Temp as User, you can define R, G, B settings manually.

Sound, Feature and Source settings are identical to the settings explained in Analog Tv menu system. · When the AUTO mode does not function correctly due to poor WSS signal quality or when you want to change the ZOOM mode, change to another ZOOM mode manually. 16:9 This uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen

Displaying TV Information Programme Number, Programme Name, Sound Indicator and Zoom Mode information is displayed on the screen when a new programme is entered or "INFO" button is pressed. · For 16:9 aspect ratio pictures that have been squeezed into a normal picture (4:3 aspect ratio), use the 16:9 mode to restore the picture to its original shape. Mute Function Press " " button to disable sound.

Mute indicator will be displayed in the upper side of the screen. To cancel mute, there are two alternatives; the first one is pressing the " " button and the second one is increasing the volume level. 4:3 Use to view a normal picture (4:3 aspect ratio) as this is its original size **Picture Mode Selection** By pressing PRESETS button, you can change Picture Mode settings in accordance with your viewing requirements. Available options are Dynamic, Natural and Cinema.

Note: This feature cannot be set while in PC mode.

· **Panoramic** This stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the screen, without making the picture appear unnatural. The top and bottom of the picture are slightly cut off. **Freezing Picture** You can freeze the picture on the screen by pressing the "OK" button on the remote control.

Press the "OK" button to freeze picture.

Press again to quit freeze mode. Note: This feature will not be available while in PC mode or watched movie from DVI source. 14:9 This zooms up the wide picture (14:9 aspect ratio) to the upper and lower limits of the screen. **Zoom Modes** You can change the aspect ratio (image size) of the TV for viewing the picture in different zoom modes. Press SCREEN button to directly change the zoom mode. Available zoom modes are listed below. Note: In YPbPr and HDMI modes, while in 720p-1080i resolutions, only 16:9 mode is available. Zoom mode cannot be changed while in PC mode. **Cinema** This zooms up the wide picture (16:9 aspect ratio) to the full screen. **Subtitle** This zooms up the wide picture (16:9 aspect ratio) with subtitles to the full screen.

Auto When a WSS (Wide Screen Signalling) signal, which shows the aspect ratio of the picture, is included in the broadcast signal or the signal from an external device, the TV automatically changes the ZOOM mode according to the WSS signal.



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