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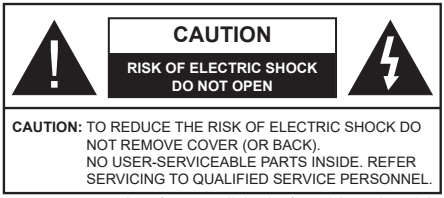
Safety Information



In extreme weather (storms, lightning) and long inactivity periods (going on holiday) disconnect the TV set from the mains.

The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable. If the TV set is not disconnected electrically from the mains, the device will still draw power for all situations even if the TV is in standby mode or switched off.

Note: *Follow the on screen instructions for operating the related features.*

IMPORTANT - Please read these instructions fully before installing or operating

WARNING: This device is intended to be used by persons (including children) who are capable / experienced of operating such a device unsupervised, unless they have been given supervision or instruction concerning the use of the device by a person responsible for their safety.

- Use this TV set at an altitude of less than 2000 meters above the sea level, in dry locations and in regions with moderate or tropical climates.
- The TV set is intended for household and similar general use but may also be used in public places.
- For ventilation purposes, leave at least 5cm of free space around the TV.
- The ventilation should not be impeded by covering or blocking the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- The power cord plug should be easily accessible. Do not place the TV, furniture, etc. on the power cord. A damaged power cord/plug can cause fire or give you an electric shock. Handle the power cord by the plug, do not unplug the TV by pulling the power cord. Never touch the power cord/plug with wet hands as this could cause a short circuit or electric shock. Never make a knot in the power cord or tie it with other cords. When damaged it must be replaced, this should only be done by qualified personnel.
- Do not expose the TV to dripping or splashing of liquids and do not place objects filled with liquids, such as vases, cups, etc. on or over the TV (e.g., on shelves above the unit).
- Do not expose the TV to direct sunlight or do not place open flames such as lit candles on the top of or near the TV.
- Do not place any heat sources such as electric heaters, radiators, etc. near the TV set.
- Do not place the TV on the floor and inclined surfaces.
- To avoid danger of suffocation, keep plastic bags out of the reach of the babies, children and domestic animals.
- Carefully attach the stand to the TV. If the stand is provided with screws, tighten the screws firmly to prevent the TV from tilting. Do not over-tighten the screws and mount the stand rubbers properly.
- Do not dispose of the batteries in fire or with hazardous or flammable materials.

WARNING - Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

WARNING - Excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

Caution	Serious injury or death risk
Risk of electric shock	Dangerous voltage risk
Maintenance	Important maintenance component

Markings on the Product

The following symbols are used on the product as a marker for restrictions and precautions and safety instructions. Each explanation shall be considered where the product bears related marking only. Note such information for security reasons.

Class II Equipment: This appliance is designed in such a way that it does not require a safety connection to electrical earth.

Hazardous Live Terminal: The marked terminal(s) is/are hazardous live under normal operating conditions.

Caution, See Operating Instructions: The marked area(s) contain(s) user replaceable coin or button cell batteries.

CLASS 1
LASER PRODUCT

Class 1 Laser Product: This product contains Class 1 laser source that is safe under reasonably foreseeable conditions of operation.

Warning

Do not ingest the battery, Chemical Burn Hazard
This product or the accessories supplied with the product may contain a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
Keep new and used batteries away from children.
If the battery compartment does not close securely, stop using the product and keep it away from children.
If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

A television may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the television set.
- ALWAYS use furniture that can safely support the television set.
- ALWAYS ensure the television set is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the television set or its controls.
- ALWAYS route cords and cables connected to your television so they cannot be tripped over, pulled or grabbed.
- NEVER place a television set in an unstable location.
- NEVER place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- NEVER place the television set on cloth or other materials that may be located between the television set and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the television or furniture on which the television is placed.
- The equipment is only suitable for mounting at heights ≤2 m.

If the existing television set is going to be retained and relocated, the same considerations as above should be applied.

Apparatus connected to the protective earthing of the building installation through the MAINS connection or through other apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator)

Wall Mounting Warnings

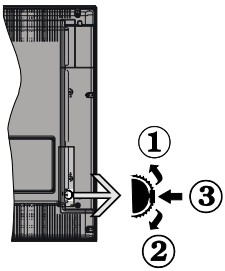
- Read the instructions before mounting your TV on the wall.
- The wall mount kit is optional. You can obtain from your local dealer, if not supplied with your TV.
- Do not install the TV on a ceiling or on an inclined wall.
- Use the specified wall mounting screws and other accessories.
- Tighten the wall mounting screws firmly to prevent the TV from fall. Do not over-tighten the screws.

Figures and illustrations in this user manual are provided for reference only and may differ from the actual product appearance. Product design and specifications may be changed without notice.

Optional

The Word ‘Optional’ is used in these instructions to mean a feature or function is only available on some models.

TV Control Switch & Operation



1. Up direction
2. Down direction
3. Volume / Info / Sources List selection and Standby-On switch

The Control button allows you to control the Volume / Programme / Source and Standby-On functions of the TV.

To change volume: Increase the volume by pushing the button up. Decrease the volume by pushing the button down.

To change channel: Press the middle of the button in, the information banner will appear on the screen. Scroll through the stored channels by pushing the button up or down.

To change source: Press the middle of the button in twice(for the second time in total), the source list will appear on the screen. Scroll through the available sources by pushing the button up or down.

To turn the TV off: Press the middle of the button in and hold it down for a few seconds, the TV will turn into standby mode.

To turn on the TV: Press the middle of the button in, the TV will turn on.

Notes:

If you turn the TV off, this cycle starts again beginning with the volume setting.

Main menu OSD cannot be displayed via control button.

Operation with the Remote Control

Press the **Home** button on your remote control to display main Hotel TV screen. Use the directional buttons and **OK** button to navigate and set. Press **Return/Back** button to quit a menu screen or return to previous menu screen.

Input Selection

Once you have connected external systems to your TV, you can switch to different input sources. Press the **Source** button on your remote control to display the Sources list menu, use directional buttons to select the different sources and press **OK** to switch to the selected source.

Changing Channels and Volume

You can change the channel (in TV mode) and adjust the volume by using the **Programme +/-** and **Volume +/-** buttons on the remote.

Forced Standby

If your TV stops responding to commands, you can perform forced standby which will terminate the process. In order to do this, press and hold the **Standby** button on remote controller for about 5 seconds.

Inserting the Batteries into the Remote

Remove the screw that secure the battery compartment cover on the back side of the remote control first. Insert two size **AAA** batteries. Make sure the (+) and (-) signs match (observe correct polarity). Do not mix old and new batteries. Replace only with same or equivalent type. Place the cover back on. Then screw the cover back on again.

Power Connection

IMPORTANT: The TV set is designed to operate on a **220-240V AC, 50 Hz** supply. 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.

Switching On/Off

To Switch the TV On

Connect the power cord to a power source such as a wall socket (220-240V AC, 50 Hz).

To switch on the TV from standby mode either:

- Press the **Standby** button or **Programme +/-** on the remote control.
- Press the middle of the side function switch on the TV in.

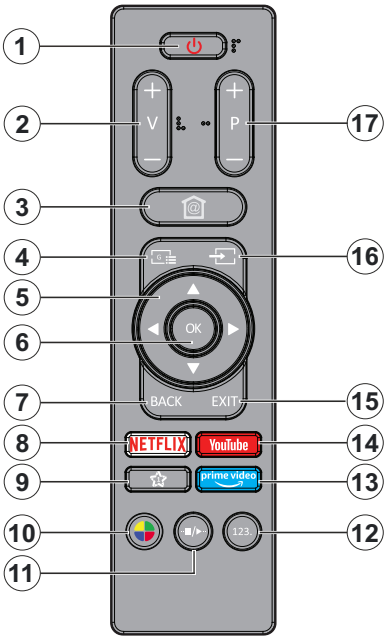
To Switch the TV Off

Press the **Standby** button on the remote control or press the middle of the side function switch on the TV in and hold it down for a few seconds, the TV will switch into standby mode.

To power down the TV completely, unplug the power cord from the mains socket.

Note: *The LED can blink when you switch on the TV from standby mode.*

Remote Control



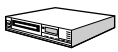
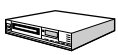
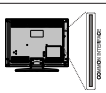
(*) MY BUTTON 1:

This button may have default function depending on the model. However you can set a special function to this button by pressing on it for five seconds when on a desired source or channel. A confirmation message will be displayed on the screen. Now the My Button 1 is associated with the selected function.

Note that if you perform **First Time Installation**, My Button 1 will return to its default function.

1. **Standby:** Switches On / Off the TV
2. **Volume +/-:** Increases/decreases the volume level
3. **Home:** Opens the main Hotel TV screen
4. **Guide:** Displays the electronic programme guide
5. **Directional buttons:** Helps navigate menus, content etc. and displays the subpages in TXT mode when pressed Right or Left
6. **OK:** Confirms user selections, holds the page (in TXT mode), views **Channels** menu (in TV mode)
7. **Back/Return:** Returns to previous screen, previous menu, opens index page (in TXT mode)
8. **Netflix:** Launches the Netflix application
9. **My Button 1 (*)**
10. **Coloured Buttons**
    Select the coloured button you want to use from the dialogue box and press **OK**. Follow the on-screen instructions for coloured button functions
11. **Media Playback and Language Buttons**
    Select the button you want to use from the dialogue box and press **OK**
    Use the media buttons to control the playback of the media. Control elements to play, pause, stop, rewind and fast forward the media will be available.
    LANG. (in TV mode): Select the **LANG.** button and press **OK** to switch among sound modes (analogue TV), display and change audio/subtitle language and turn subtitles on or off (where available)
    LANG. (on Hotel TV screen): Select the **LANG.** button and press **OK**, language screen will be displayed. Highlight the desired language and press **OK** button change to menu language.
12. **Numeric and Text**
    Select the button you want to use from the dialogue box and press **OK**
    Use the numeric buttons to switch the channel, enter a number or a letter in the text box on the screen.
    Select the **TEXT** button and press **OK** to display teletext (where available). Press again to superimpose the teletext over a normal broadcast picture (mix)
13. **Prime Video:** Launches the Amazon Prime Video application
14. **YouTube:** Launches the YouTube application
15. **Exit:** Exits from displayed menus and returns to main Hotel TV screen
16. **Source:** Shows available content sources
17. **Programme +/-:** Increases/decreases channel number (in TV mode)

Connections

Connector	Type	Cables	Device
	VGA Connection (back)		
AUDIO IN	PC/YPbPr Audio Connection (back)	YPbPr/PC Audio Cable	
	HDMI Connection (side&back)		
SPDIF	SPDIF (Optical Out) Connection (back)		
BACK AV	Back AV (Audio/Video) Connection (back)	Audio Video Cable	
HEADPHONE	Headphone Connection (side)		
YPBPR	YPbPr Video Connection (back)	PC to YPbPr Connection Cable	
	USB Connection (side)		
	CI Connection (side)		
LAN	Ethernet Connection (back)	LAN / Ethernet Cable	

See the illustrations on the left side. You can use YPbPr to VGA cable to enable YPbPr signal via VGA input. You cannot use VGA and YPbPr at the same time. To enable PC/YPbPr audio, you will need to use the back audio inputs with a YPbPr/PC audio cable for audio connection. When using the wall mounting kit (available from a third party in the market, if not supplied), we recommend that you plug all your cables into the back of the TV before mounting on the wall. Insert or remove the CI module only when the TV is SWITCHED OFF. You should refer to the module instruction manual for details of the settings. The/ Each USB input of your TV supports devices up to 500mA. Connecting devices that have current value above 500mA may damage your TV. When connecting equipment using a HDMI cable to your TV, to guarantee sufficient immunity against parasitic frequency radiation and trouble-free transmission of high definition signals, such as 4K content, you have to use a high speed shielded (high grade) HDMI cable with ferrites.

If you want to connect a device to the TV, make sure that both the TV and the device are turned off before making any connection. After the connection is done, you can turn on the units and use them.

USING THE HOTEL TV

About Hotel TV

This TV is intended to be used in hospitality facilities like hotels for demonstrating TV channels, video and music content on demand, providing useful information on current issues such as News, Weather forecast etc., hospitality services, accessing popular applications such as Netflix, Prime Video and YouTube through a simply interface.

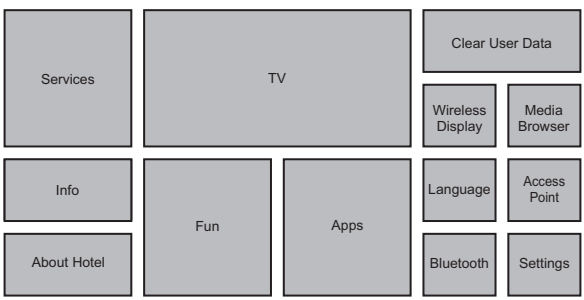
TV channels and the other provided contents are delivered using the internet protocol over the LAN connection. The content is configured and managed in PC environment via a specialized software.

Actually it is not possible to enter or display the TV setting menus, as this may harm the pre-loaded software on the TV. In case of need only the authorised service personel should be able to access these menus. The menus are accessable by pressing a specified combination of the buttons on the remote.

Essentially the TV should be registered to your room number and should be in Hotel TV mode. If you don't see the main opening screen, like shown on the template below, please contact the service department of the Hotel.

How To Use The Hotel TV Interface

The user interface of the Hotel TV consist of the following options.



Services

Under the **Services** menu you can find available services provided by the Hotel such as **Room Services** and **Bill Info**. You can also fill out a survey using the **Survey** option.

Room Service: The service categories will be shown as tabs on the top of the screen. When you highlight a category available options will be listed automatically. When you highlight an option using the directional buttons, the name, description, price and the image (if any available) of the option will be displayed in a larger format. When the **OK** button is pressed the highlighted option will be added to the basket. The names, quantities, prices of the ordered food and drinks and the total price of the order will be shown on the left side of the screen. To confirm your order highlight **Confirm** and press **OK**. A confirmation message appears on the screen. Highlight **OK** and press **OK** to confirm and proceed. In order to delete an item from the basket or decrease the quantity of it, highlight it and press **OK**.

Bill Info: The purchased content and prices are listed here. The total amount to be paid is shown at the bottom of the list. You can view the entire list using the up and down directional buttons.

Survey: You can fill out questionnaire from this menu.

Info

Here, you can find information on various issues under the titles such as **My Messages**, **Weather, Phone Numbers, Prayer Times, News**, **Flight Info, Exchange**, **World Clock** etc. Highlight **Info** and press the **OK** button to access the info screen.

About Hotel

Where am I?: You can access the address and the location information of the hotel here.

Hotel Activities: The hotel's current activities are to be found here. The hotel events are listed on the left side of the screen. Highlight an event to see detailed information.

Nearby Attractions: The attraction categories will be shown as tabs on the top of the screen. You can scroll through the categories using the directional buttons. When you highlight a category the attractions will be listed on the left side of the screen and the locations will be marked on the map. Each attraction information will contain distance, name, and address.

Hotel Info: Pictures and information about the hotel are shown. Scroll up and down to see all pictures and read the entire text.

TV

To watch TV, highlight **TV** using directional buttons on the remote control and press the **OK** button. The first channel on the active channel list will be displayed together with the channel list on the left side of the screen. Live TV channels (analogue, digital) and IPTV channels will be listed on the same channel list. Select the desired channel from the list using the directional buttons and press **OK** button to watch. You can also use the **Programme +/-** or numeric buttons to switch to another channel. While watching TV you can press the **Left** directional button on the remote to access the channel list, the **Up** directional button to access channel information, and the **Right** directional button to access picture, sound, and system settings.

Notes: *Some channels on the channel list may be offered as pay-as-you-watch TV channels (pay channels).*

Fun

Movies: To watch preloaded Movies on the connected servers of the Hotel, highlight **Movies** and press the **OK** button. On the next screen you should select the desired movie category, if defined. After selecting the desired Movie from the Hotel database, on the next screen you can watch the trailer if available, purchase and watch the selected movie. After highlighting the **Buy Movie** option and pressing the **OK** button, a confirmation message will be displayed along with the information on the selected movie regarding its name, price, duration etc. Highlight **OK** and press **OK** again to continue purchasing. Highlight **Cancel** and press the **OK** button to exit without purchasing. After purchasing, you will able to access the movie in the given period of time. Follow the on-screen instructions for exact informations.

Music: To listen to the preloaded songs on the connected servers of the Hotel, highlight **Music** and press the **OK** button. On the next screen you can select the desired music category, if defined. Then you can purchase and listen to the songs of the selected album of the selected artist. After selecting a song and pressing the **OK** button, a confirmation message will be displayed along with the information on the selected song/album regarding its artist name, price etc. After confirming the purchase by highlighting the **Purchase** option and pressing the **OK** button, you will be able to access the purchased song/album in the given period of time. Follow the on-screen instructions for exact informations.

Sleep Well: This menu allows you to listen to music while the TV screen is turned off. Category tabs are located at the top of the screen. The albums of the highlighted category tab will be displayed. This menu has the same features as the music player menu, with the exception that the TV screen will be turned off when a song is being played back. To turn on the TV screen again press any of the directional buttons of the remote control.

Radio: The radio stations will be listed on the left side of the screen. Highlight a radio station from the list and press **OK** to listen. Radio channels are obtained from the channel list of the TV.

Apps

Available applications like YouTube, Netflix, Amazon Prime and other available Smart TV Apps are to be found here. Highlight the application you want to launch and press the **OK** button.

Clear User Data

It is a feature that enables the removal of personal data stored on the TV. Select **Clear User Data** option from the main Hotel TV menu and press **OK**. Confirmation message will be displayed on the screen. Highlight **OK** and press **OK** to confirm.

Wireless Display (optional)

The wireless display feature allows mobile devices to project their screen onto the TV. Select **Wireless Display** from main Hotel TV menu and press **OK**.

A screen appears stating that the TV is ready for connection along with the information regarding this TV's ID. Start a scan for available devices on your mobile device. Select this TV from the list of available devices. The screen of your device will be displayed on the Hotel TV.

Media Browser

You can play back music and movie files and display photo files stored on a USB storage device by connecting it to your TV. Connect a USB storage device to one of the USB inputs located on the side of the TV.

You can access the content of the connected USB device any time from the main Hotel TV menu. Select the **Media Browser** option from this menu and press **OK**. Then select the file of your choice and press **OK** to display or play it back.

You can set your **Media Browser** preferences by using the **Settings** menu. **Settings** menu can be accessed via the information bar which is displayed on the bottom of the screen while playing back a video or an audio file or displaying a picture file. Press the Up/down buttons if the information bar has disappeared, highlight the gear wheel symbol positioned on the right side of the information bar and press **OK**. **Picture Settings**, **Sound Settings**, **Media Browser Settings** and **Options** menus will be available. The content of these menus may change according to the type of the currently open media file. Only **Sound Settings** menu will be available while playing back audio files.

Loop/Shuffle Mode Operation	
Start playback and activate	All files in the list will be continuously played in original order
Start playback and activate	The same file will be played continuously (repeat)
Start playback and activate	All files in the list will be played once in random order
Start playback and activate	All files in the list will be continuously played in the same random order

To use the functions on the information bar highlight the symbol of the function and press **OK**. To change the status of a function highlight the symbol of the function and press **OK** as much as needed. If the symbol is marked with a red cross, that means it is deactivated.

Language

You can set a different menu language. Highlight the **Language** option on the main Hotel TV menu and press **OK**. Available languages will be listed. Select the language you prefer and press **OK** to set.

Access Point (optional)

The wireless access point feature allows mobile devices to connect to the internet via the wireless network provided by the Hotel TV. Highlight the **Access Point** option on the main Hotel TV menu and press **OK**. Access point menu will be displayed. **Access Point**, **SSID**, **Security Type** and **Password** parameters will be available.

Access Point: Start or stop access point functionality. The function of this option will change according to the current status.

SSID: The name of the access point will be displayed here.

Security Type: Secure your network using **WPA2 PSK**. You can also set this option as **None**. In that case, no password will be required to connect to the access point. This option can be set only if the access point feature is not activated. Highlight and press **OK** to change the setting.

Password: Define a random password for the access point. This option can be set only if the access point feature is not activated. Highlight **Reset** and press **OK** to change the password.

Bluetooth (optional)

This feature allows you to connect audio devices to the Hotel TV such as speakers and headphones. Highlight the **Bluetooth** option on the main Hotel TV menu and press **OK**. Bluetooth menu will be displayed. Highlight the **Turn Bluetooth ON** option and press **OK** to enable the connection. Set your audio device to pairing mode. Then highlight the **Find My Device** option and press **OK** to start the device search. Now, wait for the TV to find your device. Available devices will be listed. Select your device from the list and press **OK** to connect. Once the connection has been established successfully, your device will be paired with the Hotel TV and the **Disconnect** option will appear on the connected device item. If you do not want the Hotel TV to connect to your audio device automatically every time the Bluetooth function is turned on, highlight **Disconnect** and press **OK**.

Settings

Picture

Mode: You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: **Cinema**, **Game**, **Sports**, **Dynamic** and **Natural**.

Contrast: Adjusts the light and dark values on the screen.

Brightness: Adjusts the brightness values on the screen.

Sharpness: Sets the sharpness value for the objects displayed on the screen.

Colour: Sets the colour value, adjusting the colours.

Energy Saving: For setting the Energy Saving to **Minimum**, **Medium**, **Maximum**, **Auto**, **Screen Off** or **Off**.

Picture Zoom: Sets the desired image size format.

Advanced Settings

Dynamic Contrast: You can change the dynamic contrast ratio to desired value.

Colour Temp: Sets the desired colour temperature value. **Cool**, **Normal** and **Warm** options are available.

Film Mode: Films are recorded at a different number of frames per second to normal television programmes. Turn this feature on when you are watching films to see the fast motion scenes clearly.

Skin Tone: Skin tone can be changed between -5 and 5.

Colour Shift: Adjust the desired colour tone.

Reset: Resets the picture settings to factory default settings (except **Game** mode).

Sound

Sound Output: Sets the sound output preference. **TV**, **S/PDIF**, **Headphone Only** and **Lineout** options will be available. Note that, if this option is set as **Headphone Only**, TV speakers will be muted when headphone set is plugged in.

When you connect an external amplifier to your TV using the headphone jack, you can select this option as **Lineout**. If you have connected headphones to the TV, set this option as **Headphone Only**. Please ensure before using headphones that this menu item is set to **Headphone Only**. If it is set to **Lineout**, the output from the headphone socket will be set to maximum which could damage your hearing.

Sound output status depending on the selected Sound Output option

TV: TV speakers and Headphone jack

S/PDIF: S/PDIF output

Headphone only: Headphones connected - Headphone jack; Headphones not connected - TV speakers

Lineout: Headphone jack

Advanced Settings

Digital Out: Sets digital out audio type.

Headphone: Sets headphone volume. This option will not be available if the **Sound Output** option is set to **Lineout**. Please ensure before using headphones that the headphone volume is set to a low level, to prevent damage to your hearing.

System

Language

Menu: You can set a different menu language.

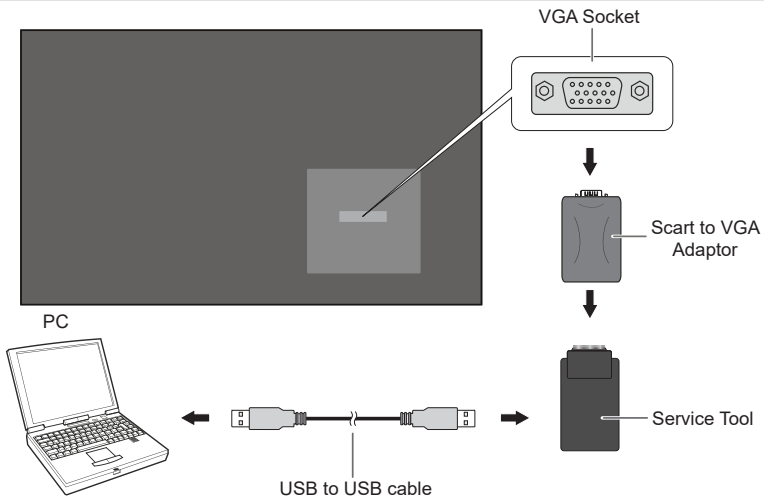
Date/Time: Sets date and time.

Accessibility: Displays accessibility options of the TV.

Hard of Hearing: Enables any special feature sent from the broadcaster. This option will not be available if no channels are installed.

Press the **Home** or **Back/Return** button on the remote to return back to main opening screen.

Controlling With An External PC



You can control the product from an external PC via RS-232 (COM port) or LAN (Ethernet port) on the PC. For instance, system source can be changed by RS-232 from remote computer. When a command is sent from the PC to the product, the product operates according to the received command and sends a response message to the PC.

Equipment/Tools:

- RS-232 (female) to RS-232 (male) cable or LAN cable (connected via router)
- USB to RS-232 (male) cable
- Notebook or PC which has USB or LAN port
- Installed program on remote PC to send commands:

In general, the RS-232 commands are sent for operating the implemented functions via serial port and utility.

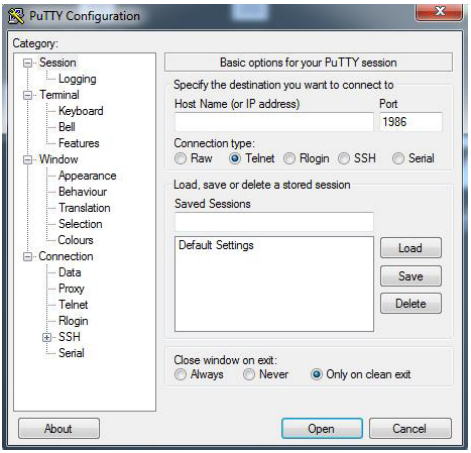
A suitable utility can be used such as described below.

Connecting to the TV (LAN port)

Download and install the PuTTY software from the following link first: http://www.putty.org/.

Run the software and enter the TV's IP address in the field **Host Name**. Enter "**1986**" as a default value in the field **Port**. Then select "**Telnet**" as **Connection type** and click the **Open** button.

Note: *Refer to the* ***Connectivity*** *section of this manual for information on connecting the TV to a network and displaying the IP address of the TV.*



Use the commands in the **RS232/LAN Command Table**.For example, if "GETVOLUME" command is entered, current volume level should be displayed on the putty window as shown in the pictures below.

Another example;

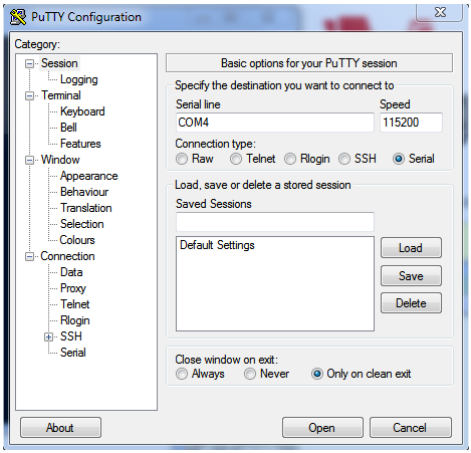
Volume level can be changed by using "VOLUME" command. After sending this command, you can verify the changes from the TV.

The last example ;

When "GETSOURCE" command is entered, current source should be displayed on the putty window as shown in the picture below.

Connecting to the TV (RS232 port)

Run the software and select **Serial** as **Connection Type**. Enter the TV's serial port in the field **Serial Line** (in the following example it is COM4) and "**115200**" in the field **Speed**. Then click the **Open** button.



(*) Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

RS232/LAN Command Table

ADMIN PANEL COMMANDS			
Command	**Description**	**Parameter**	**Return**
TOF	Turn OFF TV	no parameter	#TV will be sent to Active Standby state. or #TV is in Active Standby state already!
RST	Restart	no parameter or int (wait seconds until Restart)	#TV will be restarted of #TV will be restarted after ... seconds!
TON	This command will turn on the panel, if panel is in active standby state and the parameter value will set volume value, if the Startup Volume Enable item (in Volume Settings menu) value is enable. TON must be called with a parameter for volume level. Otherwise, it gives "Missing parameter" error.	integer (volume value)	#TV will be turned on or #TV is not in Active Standby state!
STV	Sets TV Volume, parameter value will ve set for volume level	integer (volume level)	#Volume set level= ...
CTZ	Change Time Zone	integer (gmt value)	#Timezone setup SUCCEEDED
GTZ	Get Time Zone	no parameter	#Timezone is ...
STL	Set TV Language	string-int (please look at abbreviations of languages)	#Language changed to ... or #Wrong language selection.
UPF	Update Profile Files	string string (<profile_files_ path> <optional parameter>) First parameter: ("auto" : default path will be used for update or string for path of profile files(string can be a url or a directory)) Second parameter: Optional parameter. If the parameter is "skip_restart", system reset will be skipped	#Profile Files Updated from default path success = .. #Profile Files Updated from defined path success =...
GTCURL	Get Channel List URL	no parameter	#channelListUrl =...
SCURL	Set Channel List URL	string -int (new url of channel list)	#Channel List Url setup SUCCESSED

GTFTP	Get FTP Properties	no parameter	#FTP server address=... FTP server user =... FTP server password =...
SFTP	Set FTP Properties	string string (ip_addr user-password) (ex: 10.0.0.251 vestel-vest123)	#Set FTP Props operation SUCCESSED
FSU	Update software (SW Auto Upgrade should be enabled - see WAU command)	no parameter	#Web Software Update search STARTED !!!
UCL	Update channel list	no parameter	#"Channel List updated !!!
STWA	Stop wake up alarm	no parameter	#WakeupAlarm stopped !!!
SEA	Send emergency alarm	string-string (alarm url - emergency message) [message content should be "word1+ word2+word3 ..."]	#Emergency Alarm is set !!!
STEA	Stop emergency alarm	none	#Emergency Alarm is stopped !!!
UNP	Send Message	"string-int (message text - 0) [message content should be ""word1+ word2+word3 ...""]"	#Message Sent in SUCCESS !!!
TN	Send Message/Trigger notification	int (key id (900<= id<=904))	#Message Sent in SUCCESS !!!
DBOOTC	Disable Bootcaster	none	#BOOTCASTER_DISABLED in SUCCESS !!!
EBOOTC	Enable Bootcaster	none	#BOOTCASTER_ENABLED in SUCCESS !!!
DDHCPC	Disable Dhcp client	none	#DHCPC_DISABLED in SUCCESS !!!
EDHCPC	Enable Dhcp client	none	#DHCPC_ENABLED in SUCCESS !!!
RTVP	Return TV Main Page	none	#Refresh Done in SUCCESS !!!
GTSURL	Get TV Portal URL	none	#StartUp url is ....
SFTI	Set First Time Installation by taking and saving system language and txt language text parameters; then reboots the system.	string-string [system language (look at abbreviations) - txt language text (look at txt languages)]	#System reinitialised !!!
SDFTI	Set Default First Time Installation by reseting the parameters set by SFTI and returning to default FTI settings; then reboots the system.	none	#System will be reinitialised !!!
SHM	Set Hotel Mode	int (1-enabled/ 2- disabled)	#Hotel Mode is enabled/disabled

UNTP	Update Date and Time	none	#Internet connection successful file_size=2048 #Date and Time is being updated from NTP Client or #No Internet Connection! Date and Time cannot be updated
SNTP	Set NTP Server IP	string-int (“auto” / ntp server path - 0)	#Auto : forced_ntpserver file deleted - SUCCESS !! or #Forced_ntpserver written - SUCCESS !!
WAU	SW Auto Upgrade	int (1-enabled/ 2- disabled)	#Auto Software Update Availability - ENABLED !!
SRC	Set Remote Control Code	int (2/3/4)	#Remote Control system Code set to ...
GTNTP	Get NTP Server IP	none	#”NTP server url is ...
ATOF	Auto TV Off Mode	int (0 <= mode <=8)	#set auto tv off mode to ...

** Please note that some of these commands may not be supported by your TV model*

Hotel Mode

The hotel mode is a special mode which restricts some operations of TV. This allows the customer to use the TV in special places such as hotels, prisons or hospitals. These restrictions are basically given below.

- The user cannot increase the volume above a specified limit. And can set fixed volume value.
- The user can enable headphone direct volume control.
- The user cannot reach some menus.
- The user cannot use the buttons on the TV.
- The user can limit the start-up source position.
- Last status can/cannot be used.
- Teletext can be disabled or enabled.
- NVRAM data (like service list and user preferences, etc.) can be copied to or from a USB device.
- Pin8 can/cannot be used.

To enter hotel menu, press **Up Directional Button-Volume Up - Programme Up - Volume Down - Programme Down** buttons consecutively.

Hotel Menu Items

Hotel Mode

Set as '**On**' to activate hotel mode.

Pin 8

Set as '**On**' to enable picture mode changes accroding to Pin8 data.

Last Status

Set as '**On**' to enable the TV to reopen with the closing status. If set as '**Off**' the TV will remain in standby mode next time it is plugged in.

Panel Lock

Set as '**On**' to prohibit the use of the buttons on the TV.

RCU Inhibit

Set as '**On**' to inhibit the use of the remote. To turn this option off, repeat the steps to open hotel menu. Remote control will function in Stand-By mode independently from the setting of this option. If this option is set as '**Limited**' only the Volume Up/Down, Programme Up/Down, Numeric Buttons, Directional Buttons, OK Button, Mute Button and the Standby button on the remote will be functional.

Startup Position

You can specify the opening settings of the TV. Choose the channel and/or source to be opened when the TV is switched on next time. The available options are as the following:

Auto: The TV will open with the last channel (if TV was the last source) or last source.

TV: The TV will open with the channel that is specified in "**Startup Channel**" menu item.

Other: The TV will open with the specified source (HDMI1 etc.).

Startup Channel

You can specify a channel to be displayed when the TV is turned on next time (if **'Startup Position'** is set as **'TV'**).

Volume Settings

Press **OK** to see available **Volume Settings** menu options.

Volume Limit

Set the maximum value of the volume that can be applied.

Volume Limit (Headphone)

Set the maximum value of the headphone volume that can be applied.

Startup Volume Enable

Set as **On** to enable the use of startup volume values which are set in **Startup Volume Value** and **Startup Volume Value (Headphone)** menu items. If this option is set as **Off**, these menu items will be unavailable to be set.

Startup Volume Value

Set the startup volume value of the TV volume. This option can not be set to a value greater than the one set in the 'Volume Limit' option.

Startup Volume Value (Headphone)

Set the startup volume value of the headphone volume. This option can not be set to a value greater than the one set in the 'Volume Limit (Headphone)' option.

Fixed Volume Enable

Set as '**On**' to enable the use of fixed volume value which is set in "**Fixed Volume Value**" menu item.

Fixed Volume Value

Set the value of the volume to be fixed. This option can not be set to a value greater than the one set in the 'Volume Limit' option.

Headphone Direct Volume

Set as '**Enabled**' to control the headphone volume through remote control. When this feature is enabled, volume control buttons will not change the TV's main sound. You can change the sound of the TV using the Left/Right directional buttons of the remote control.

Note: *If one of the **Startup Volume Enable** and the **Fixed Volume Enable** options is set as **On**, the other one will be unavailable to be set.*

OSD Disable

The default value is set as '**Disable Setup Menus**' for hotel mode. You can block all menus by setting this item as '**Disable All Menus**'. You can also set as **Off** to deactivate this function.

Invisible Setup Menus are:

Settings menu: Network, Installation

Teletext

You can enable or prohibit the teletext services(or MHEG if available) by setting this item as '**On**' or '**Off**'.

Copy To USB (USB cloning)

You can copy the NVRAM data (service list, preferences, etc.) and the welcome image as "hotel_wel.png" to a USB device using this option. Press **OK** to copy those files from TV to USB. A folder folder named as "clonexxxxx" will be created on the USB device and the files will be saved in that folder.

Copy From USB (USB cloning)

You can copy the NVRAM data (service list, preferences, etc.) and the welcome image from a USB device using this option. Press **OK**, select the directory named as "clonexxxxx" and press **OK** again to copy NVRAM data files from USB to TV. The welcome image should be named as "hotel_wel.png" and copied into the root directory of the USB device. After selecting the **Copy From USB** option and pressing the **OK** button highlight the folder which name appears as "." and then press **OK** in order to copy the welcome image from USB to TV.

Note: *USB device, which will be used for USB cloning functions, must be FAT32 formatted.*

Export Channel List to USB (optional)

You can copy the Channel List from TV to a USB device using this option.

Import Channel List from USB (optional)

You can copy the Channel List from a USB device to TV using this option.

Wakeup Time Channel

Set the channel, whose time information is to be used for wakeup timer. If this option is set as "0", time information of the channel which is being watched will be used.

Note: *If hotel mode is active, '**Add wake up timer**' function will be available in '**TV/Timers**' menu. After the new timer is saved, the TV will wake up automatically on desired time.*

Wakeup Time Volume

Set the wakeup volume value of the TV. This value can't be set to a value greater than the one set in '**Volume Limit**' menu item under the **Volume Settings** menu.

USB Option

Set as '**Off**' to disable the USB ports on the TV. You can also set this option as **5V** to provide 5 volts power over USB. In this case it will still not be available to browse the USB content via the TV.

Fixed Pic. Mode

Set as '**On**' to disable picture setting menus.

Digital Tuner

Set as '**Off**' to disable digital channels. When a digital channel is opened from the channel list, "no signal" message will be displayed and digital channels will not be listed when manual or auto searches are performed.

Welcome Screen

Set as '**On**' and TV will show a Welcome Screen. The Welcome Screen is an image with resolution of 1920 x 1080 pixel and png file format. Welcome Screen image can be changed as described in "**Copy From USB**" section.

***Note**: The files larger than 2048 KB are not supported.*

NIT Update

If this option is enabled NIT (Nertwork Information Table) data will be updated automatically.

EPG Enabled/Disable

If you enable this option the EPG menu will be accessible while the TV is in Hotel mode.

CEC Enabled (optional)

Manual, **Off** and **Auto** options will be available. CEC functionality will work according to the selection.

Reset to Default Values

Highlight this option and press the **OK** button on the remote to reset the Hotel menu settings to their defaults (factory settings).

PC Input Typical Display Modes

The following table is an illustration of some of the typical video display modes. Your TV may not support all resolutions.

Index	Resolution	Frequency
1	640x350	85Hz
2	640x480	60Hz
3	640x480	72Hz
4	640x480	75Hz
5	800x600	56Hz
6	800x600	60Hz
7	800x600	72Hz
8	800x600	75Hz
9	1024x768	60Hz
10	1024x768	70Hz
11	1024x768	75Hz
12	1024x768	85Hz
13	1152x864	75Hz
14	1280x768	60Hz
15	1280x768	75Hz
16	1280x960	60Hz
17	1280x960	75Hz
18	1280x1024	60Hz
19	1280x1024	75Hz
20	1360x768	60Hz
21	1366x768	60Hz
22	1400x1050	59Hz
23	1400x1050	60Hz
24	1400x1050	75Hz
25	1440x900	60Hz
26	1440x900	75Hz
27	1600x1200	60Hz
28	1680x1050	59Hz
29	1680x1050	60Hz
30	1920x1080	60Hz

AV and HDMI Signal Compatibility

Source	Supported Signals		Available
Back AV	PAL		O
	SECAM		O
	NTSC4.43		O
	NTSC3.58		O
YPbPr	480i, 480p	60Hz	O
	576i, 576p	50Hz	O
	720p	50Hz,60Hz	O
	1080i	50Hz,60Hz	O
HDMI	480i	60Hz	O
	480p	60Hz	O
	576i, 576p	50Hz	O
	720p	50Hz,60Hz	O
	1080i	50Hz,60Hz	O
	1080p	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	O
	3840x2160p	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	O
	4096x2160p	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	O

(X: Not Available, O: Available)

In some cases a signal on the TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc.). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

Supported File Formats for USB Mode

Video File Formats

File Extension	Format	
	Video Codec	Audio
.mpg/.mpeg/.dat/ .vob	MPEG1/2, H.264, VC1	MPEG Layer 1/2/3, AC3
.ts/.trp/.m2ts/.mts	MPEG1/2, H.264, VC1, HEVC/H.265	MPEG Layer 1/2/3, AC3, E-AC3
.avi	MPEG1/2, MPEG4, H.264, MJPEG	MPEG Layer 1/2/3, AC3, AAC, WMA
.mp4/.m4a/.m4v/ .mov/.qt/.3gp/.3g2/ .3gpp	MPEG1/2, H.263, MPEG4, H.264, HEVC/H.265	MPEG Layer 1/2/3, AAC LC, AC3
.mkv	MPEG 1/2, MPEG4, H.264, HEVC/H.265	MPEG Layer 1/2/3, AAC, AC3
.flv	Sorenson Spark, MPEG4, H.264	MPEG Layer 3, ADPCM, AAC LC
.ogm/.ogg	MPEG1/2, MPEG4	MP3, Vorbis
.asf/.wmv	MPEG4, WMV3, VC1	WMA, AMR-NB
.rm/.rmvb	RV30, RV40	COOK, AAC LC / HE-AA
.webm	VP9, VP8	OPUS, Vorbis

Picture File Formats

File Extension	Format
.jpg/.jpeg	JPEG, PJPEG
.bmp	BMP
.gif	GIF
.png	PNG
.tiff/.tif	TIFF
.webp	Webp

Audio File Formats

File Extension	Format	
	Video Codec	Audio
.mp3		mp3
.ac3		ac3
.aac		AAC
.wma		WMA
.wav		MPEG Layer 1/2/3, AAC, PCM
.flac		FLAC
.ogg	OGG	Vorbis
.m4a	M4A	AAC

Subtitle File Formats

External Subtitles	
Extension	**Specification**
.ssa	SubStation Alpha
.ass	Advanced SubStation Alpha
.srt	Subripper
.sub	Micro DVD / SubViewer
.sub + .idx	VOBSub
.txt	Micro DVD / TMPlayer / MPL2
.mpl	MPL2
.smi	Sami
.jss	JACOSUB
.ttml	TTML
.txt / .sub	DVDSUBTITLE
.lrc	-

Internal Subtitles	
Extension	**Specification**
.mkv	VOBSub
.mkv	ASS / SSA / TEXT
.dat, .mpg, .mpeg, .vob	DVD Subtitle
.mp4	DVD Subtitle, TEXT

Supported DVI Resolutions

When connecting devices to your TV's connectors by using DVI converter cable(DVI to HDMI cable - not supplied), you can refer to the following resolution information.

	56Hz	60Hz	66Hz	70Hz	72Hz	75Hz
640x480		x				x
800x600	x	x				x
1024x768		x		x		x
1280x768		x				x
1280x960		x				
1360x768		x				
1366x768		x				
1280x1024		x		x		x
1400x1050		x				
1600x900		x				
1920x1080		x				

Disposal Information

[European Union]

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2012/19/EU and 2013/56/EU.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[Business users]

If you wish to dispose of this product, please contact your supplier and check the terms and conditions of the purchase contract.

[Other Countries outside the European Union]

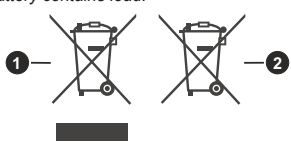
These symbols are only valid in the European Union.

Contact your local authority to learn about disposal and recycling.

The product and packaging should be taken to your local collection point for recycling.

Some collection points accept products free of charge.

***Note**: The sign Pb below the symbol for batteries indicates that this battery contains lead.*



1. Products
2. Battery

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