TELE System

TV Palco LED07

DVB **T2/S2**® **HEVC**

User Manual

Palco19 LED07 T2S2HEVC
Palco22 LED07 T2S2HEVC
Palco24 LED07 T2S2HEVC

Dear Customer,

in thanking you for purchasing our product, please read the following instructions before attempting to operate the unit. This is the only way to achieve the best results over time while maintaining the original reliability. We also suggest that you keep this manual for any future reference. We also suggest that you keep the original packaging of the TV and, in the event of any problem, remember to take note of the serial number of the TV which is shown on the back of the device.

The TELE System staff

ATTENTION!
The reception and therefore the viewing of channels in digital terrestrial and/or satellite depends on the level and quality of the available antenna signal. The signal varies depending on the area of residence, the correct orientation/functioning of the antenna system, and the quality of the signal transmitted by digital terrestrial repeaters and/or satellites.

TELE System Digital Srl announces that due to software and/or hardware changes that aim to improve the product, you may find inconsistencies between the contents of this manual and the product in your possession.

Index

1 Safety

ATTENTION: TO REDUCE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE BACK COVER AND DO NOT USE METAL TOOLS.

Before connecting the power cord to the DC adapter outlet, make sure that the voltage corresponds to the one used in your area.

Make sure your TV is switched off before inserting the mains plug into the wall socket. Be careful to ensure that the electrical cable and other connecting cables are firmly connected and secure.

Voltage overload and power extension cables can be dangerous, just as frayed wires or broken sockets/plugs; These conditions may cause electric shock or fire. Contact a trusted technician to replace the damaged parts.

Do not insert metal objects into the TV; there is a danger of electric shock. To avoid electric shocks, do not touch the internal parts of the LED TV; only qualified personnel can open the television.

The TV is equipped with slots for air circulation. To prevent overheating, these openings must not be covered or obstructed. If you place the TV in confined spaces (within libraries or other furniture), make sure that there is adequate ventilation.

Do not use the television with extreme temperatures, humidity, or in dusty environments.

The recommended use temperature: 5-35 ° C

Relative humidity: 30 – 80RH

Do not expose your TV to rain or splashing water; do not install it near kitchens, swimming pools etc ... If liquid accidentally gets inside the TV, unplug the power cord immediately and contact a technician.

You can clean the LED/LCD screen if necessary with a damp soft cloth, remember to unplug the TV before cleaning.

Do not use solvents such as benzene to clean the device, because you will damage the screen surface.

Place the TV on a firm surface and handle with care.

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The screen is formed by a thin glass and protected by a plastic foil, liquid abrasives or streaks will permanently ruin the LED/LCD panel.
Do not clean the screen with substances such as acetone, ethyl alcohol, toluene, ethyl acid, methyl or hydrogen; these substances ruin the LED/LCD panel.
Position the TV so that it is easier to access the power outlet.
Do not put heat or flame such as candles near/on the TV.

No object filled with liquids such as vases or bottles should be placed on or near the TV.

The checked bin symbol indicates that you should not dispose of this product in the environment or throw it in the mixed municipal waste. Whoever does not respect this rule is punishable according to current legislation.

A proper disposal of the appliance enables you to avoid potential damage to the environment and human health as well as to facilitate recycling of components and materials contained in it and save enery and resources.
The manufacturer provides a system for recovery of electric and electronic appliances (RAEE or WEEE) such as this product which is collected separately and subject to treatment systems with equipment in accordance with current provisions.

Take the unusable product (and any accessories, including the battery) to a recycling center authorized to handle electrical and electronic equipment waste, as it cannot be combined with other waste. You can always return the used or dead device to the same distributor who sold it to you while buying a new equivalent product or free of charge if the equipment is for home use and is smaller than 25cm.

2 Description of the TV
2.1 Front
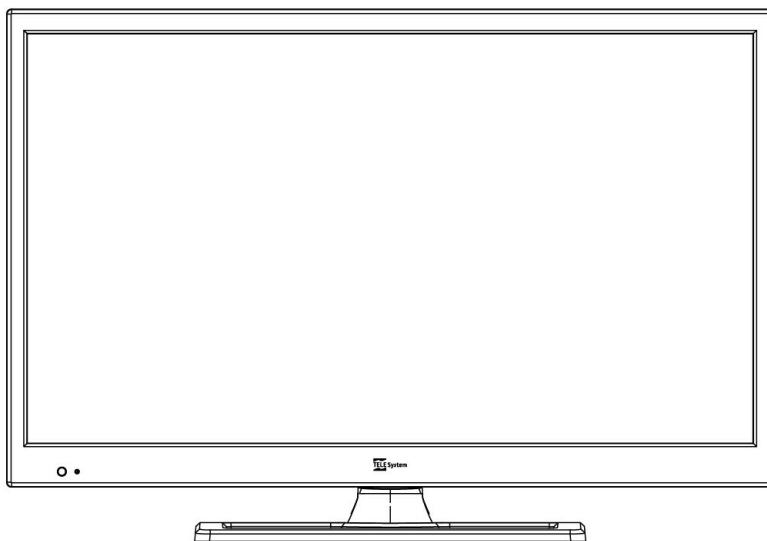
LED: Status Indicator, Red = Standby, Green = Power
IR sensor: remote control receiving sensor
Warning! The position of the LED and IR sensor may not correspond exactly to the one shown in the picture.

2.2 Keyboard

The TV keyboard is on the right side of TV itself. The available keys are (from left to right):

Vol-: increase volume

Vol+: decreases the volume

CH-: change to the next channel

CH+: change to the previous channel

Menu: access the main menu

Source: select source

Power: Standby mode (OFF/ON)

2.3 Rear panel connections
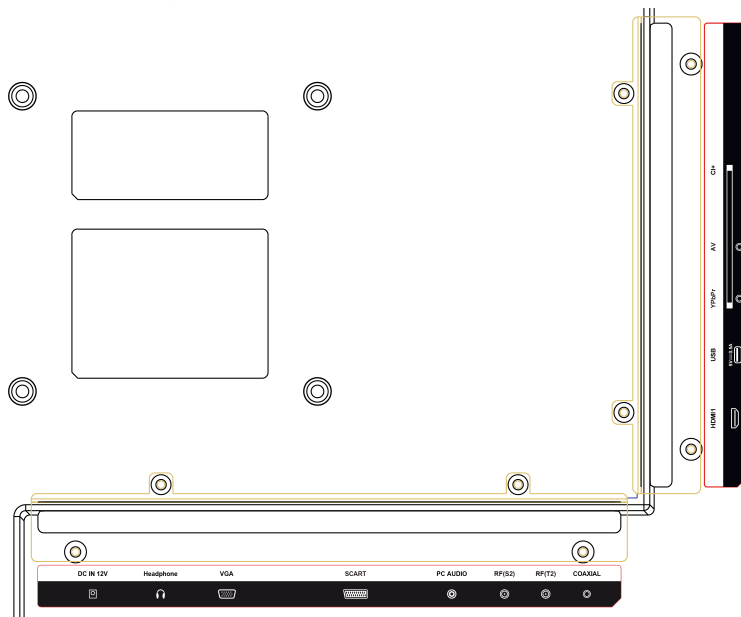
On the back side of the TV, there are connections and A/V inputs; horizontal side (from left to right):
12V power supply (DC IN 12V)
Headphone output (3.5 mm jack)
VGA port (PC)
SCART input
PC Audio input (PC Audio IN)
SATELLITE RF Antenna Input (Type F)
TERRESTRIAL Antenna RF input (IEC)
Coaxial digital audio output (COAXIAL)

On the verticle side (from top to bottom):
Component input (YPbPr, adapter required)
RCA Video + Audio input (AV, adapter required)
Common Interface slot (compatibile with CI+ module)
USB port (Media Player Fuction)
HDMI input

3 Connections

3.1 Antenna connections/cable TV channel

To view the television channels, you can connect the TV to one of the following devices:
A terrestrial antenna and/or a satellite antenna system.
In either case, connect the antenna cable (75 Ω) to the coaxial jacks located in the rear of the TV.

3.2 Connection to an external device

Via SCART: make sure that both the TV and the device are turned off. Connect the SCART cable from the source to the TV. Turn on the two devices. Press the **Source** button on the remote control and select SCART.

Via RCA: make sure that both the TV and the device are turned off. It is necessary to use an RCA/Jack3.5mm adapter to connect the device to the AV/RCA input. Turn the two devices on. Press the **Source** button on the remote control and select AV as the source.

Via YPbPr (Component): make sure that both the TV and the device are turned off. It is necessary to use an RCA/3.5mm jack adapter to connect the device to the AV/RCA, respecting the colors as per the following instructions:
Yellow - Green
Red - Red
White - Blue
Turn on the two devices.
Press the **Source** button on the remote control and select YPbPr.

Via HDMI: make sure that both the TV and the device are turned off. Connect the cable from the source to the TV. Turn on the two devices. Press the **Source** button on the remote control and select HDMI.

4 Remote Control
4.1 Standard remote control

POWER: On / Off Stand-by
Mute: temporary interruption of audio.
Source: source selection
Video: change the video mode.
Sound: change the audio mode
AUDIO: audio choice.
A.Ratio: choice of image format.
TASTI NUMERICI: direct channel selection.
FAV: Displays the favorite channel list.
SLEEP: sets the sleep timer.
BACK: back to the last selected program.
MENU: display the main MENU.
INFO: displays information of current channel.
EXIT: exit the menu.
ARROW KEYS: are used to browse through the menu /
regulate volume / change sequential channels
OK: Confirm or select a sub-menu.
Access the channel list
V -/+: Decrease / increase volume.
P -/+: change previous / next channel.
D.SETUP: not active
REPEAT: not active
ZOOM: not active
GOTO: not active
RED FASTEXT KEY
GREEN FASTEXT KEY
YELLOW FASTEXT KEY
BLUE FASTEXT KEY
DVBT: switches to DVBT mode/ Index in Televideo mode.
SAT: switches to SAT mode / Reveal in Televideo mode
USB: switches to USB (Media) mode/Zoom inTelevideo
mode

DTV/RADIO: changes the viewing modality, between TV programs and Radio
programs or Hold in Televideo.

8
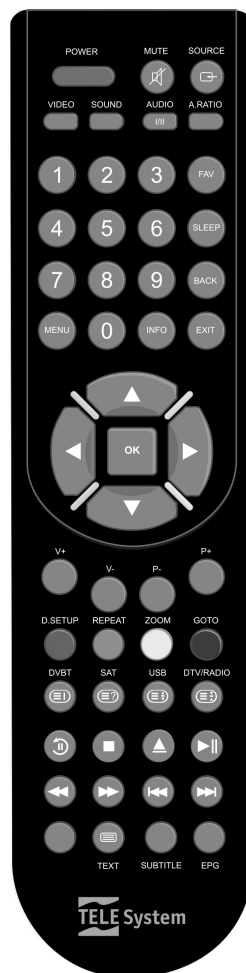
TIMESHIFT: activates the Timeshift function

■: stops the playback/recording

▲: not active

▶❚❚ : starts / pauses playback

◀◀/▶▶ : rewind / fast forward

❚◀◀/▶▶❚ : back forward one track / song / picture

TXT: accesses the Televideo.

SUBTITLE: activates subtitles (if present)

GUIDE: electronic program guide (EPG)

4.2 Simplified remote control

POWER: Stand-by On/Off

TXT: access Televideo.

EXIT: exit the menu.

NUMERIC BUTTONS: direct selection of channels.

Source: source selection.

Mute: temporary interruption of audio.

ARROW KEYS: are used to browse through the menu / regulate volume / change sequential channels

OK: Confirm or select a sub-menu. Access the channel list

4.3 Inserting batteries

You have to replace or install the batteries when:
- You buy the product.
- the remote control does not work properly.

Once you open the battery door located on the back of the remote, insert the 2 batteries (AAA) in the compartment, making sure to respect the correct polarity as indicated.

Remove the used batteries, which must be disposed of separately from household waste taking them to any store or collection point and then repeat the operations for insertion.

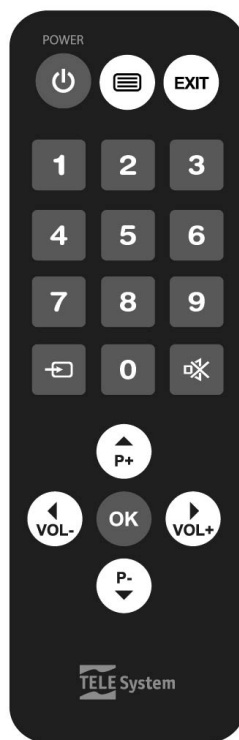To avoid damaging the remote control with the leakage of corrosive liquid, you should remove the batteries if you plan not to use the device for a long period of time. Avoid using different types of batteries or dead and new batteries at the same time.

5 PC Mode

Since it is equipped with a VGA video card, the TV can be used as a PC screen following this procedure:

With the equipment turned off, connect the two devices via a D-SUB cable (15-pin) for the Video part and an audio cable for the audio portion. Reset the electrical connection of the TV and PC. Turn on the TV and from your remote control, press the **AV** button. Select the **PC** mode. Turn your computer on.

5.1 MENU FOR PC MODE

After switching to PC mode, you can adjust various settings by pressing the **MENU** button on the front panel or the remote control: the usual menu will appear, which will have some functions active only in this mode: to navigate through the menu use the ▲/▼ keys. Change the values using the ◄ / ► buttons.

6 Basic Function

6.1 Power / Standby

While the TV is in operation, to turn it off, press the **Power** button on your remote control. The LED on the front panel of the TV will change from green to red.
To switch the TV on again, press the **Power** button (on the remote control or on the TV).

6.2 Program selection

To select a program, press the **P+/P-** buttons or the / buttons on the standard remote control for a sequential selection; use the numeric keys for direct channel selection.

6.3 Volume regulation

Press the **V- / V+** buttons or the buttons ◄ / ► on the standard remote control to increase / decrease the volume.

6.4 Mute (temporary)

Pressing the **MUTE** button, the sound is interrupted and the video shows the symbol of the function. To reactivate the sound, you can press the **MUTE** button again or one of the volume buttons **V- / V +**.

6.5 Program recall

You can recall the previously selected program by pressing the **BACK** button and by pressed it again, it returns to the program you were watching.

6.6 Source selection

By pressing the **Source** button, you can select the TV mode:
DTV: To activate the Digital TV mode and allow the reception of digital TV programs;
SCART: To enable SCART input
AV: to enable the AV input (RCA)
YPbPr: to activate the YPbPr input.

HDMI: to activate the HDMI input.
PC: to activate the PC mode
USB: to access content loaded on a USB memory. (See Chapter 16)

6.7 Main Menu description

Press the **MENU** key to bring up the main menu and use the arrow keys ▲/▼ and ◄ / ► to navigate through the titles of menu. Press the **MENU** button to return to the previous menu or **EXIT** to exit. The menus are: *Channels, Images, Sound, Time, Security, Settings*.

6.8 First installation

When the TV is turned on for the first time or after a factory reset, a wizard will allow the simple and optimal installation of the TV:
Select the installation language (OSD Language) with the ◄ / ► arrow keys (default Italian). Go on to the next step by pressing the ▼ button.
Then select the installation country (Italy default) using the arrow keys ◄ / ► Press OK to move on to the next step.
Select the tuner signal type (DVB-T2 or Satellite) to start searching for channels and press OK to start an auto scan.
At the end of the DVB-T2 scan, a list of LCN conflicts to be resolved manually will appear. The user can choose the channel to be assigned to each disputed LCN position manually or automatically all at once (recommended).
If you choose satellite, you can choose to load a default satellite channels list by pressing OK and confirming Yes (left arrow) to the confirmation request; or proceed with normal installations, once the satellite parameters are set, scan type, channel type and type of service, by pressing OK and choosing No (right arrow) on the next screen.

6.9 Automatic channel search.

Press the **MENU** button; in CHANNEL menu using ▼, select the entry **Auto tuning** and confirm with the **OK** button.
Select the country of installation (default Italy) and press **OK** to start an automatic channel search.
At any time you can:
Press **EXIT** or **Menu** to terminate the search

ATTENTION!
The automatic channel search cancels all the previously memorized channels.

7 DVB Mode

To activate the reception mode for digital channels, press the **Source** button, choose **DTV**.
You can scan the frequencies available in your area, searching all digital channels automatically (see section 6.9) or manually.

ATTENTION!
The reception and therefore the viewing of digital terrestrial channels depends on the level and the quality of the antenna signal available The signal varies according to the area in which you live, to the correct orientation/functioning of the antenna system and to the quality of the signal transmitted by the digital terrestrial repeaters.

7.1 Manual search

Press the **MENU** button; in the CHANNEL menu using ▼ select the item DTV **Manual tuning** and confirm with the **OK** button
Enter the channel (frequency) to be searched for through the ◄ / ► buttons on the remote and confirm with the **OK** button.
Press the **EXIT** button to cancel manual search at any time.

7.2 Electronic TV guide (EPG)

The Electronic TV Guide, if supported by the broadcaster, offers information on the TV programs shown for the subsequent 7 days. To activate this feature (only in DTV mode) press **Guide** on the remote control.
Use the arrow keys to select the channel and/or program to view a brief description of the event.
Use the **P +** and **P-** if the event description provides more pages.
Position yourself on "Time" and use the arrows keys ◄ / ► to switch the display mode.
Press the blue **"Reminder"** button to create an event reminder, a warning message will appear on the screen informing you of the imminent start of the highlighted program.

7.3 Organization of channel list.

Press the **MENU** button; in CHANNEL menu, select the item using ▼, Program Edit and confirm with the **OK** button.
You will see the channel list with the following options available:
Red button (**Delete**): to delete one or more channels select the channel with the ▲/▼, buttons and press the red button to confirm the cancellation.
Blue button (**Skip**): select the channel and press the **Blue** button; if activated, the channel can only be displayed when recalled by using the number buttons on the remote.
Yellow button (**Move**): to move a channel, select the channel you want to move, press the **Yellow** button, use the arrow keys to move the channel to the desired position or enter the desired position number, then press **OK** to confirm.

7.4 Favorites list

You can create a favorite channels list for DTV channels (terrestrial signal): Once the option Program Edit and the channel you want to add to the Favourites list has been selected, press the **FAV** button; Repeat for each channel you want to add. After you create the list, to access it, simply press the **FAV** button and select the channel with the arrow keys ▲/▼ and **OK** to confirm. You can later remove one or more channels by performing the same procedure, selecting the channel you want to delete, and pressing the **FAV** button.

8 Satellite mode

To activate the digital channel reception mode, press the **Source** button, select **Satellite**.
You can scan the frequencies available with your satellite antenna system, automatically searching for all the satellite channels from the first installation (see paragraph 6.8) or through an automatic scanning available in the Channels menu.
Dish Setup: the basic settings to allow the use of the TV with a single Universal LNB (Low Noise Block converter) system (commonly used for satellite systems in Italy); in the event your system is done with a different configuration, you must appropriately change the antenna settings.
ATTENTION!!!
The wrong antenna configuration can result in the failure to load some or all channels. If you do not know the characteristics of your antenna system and/or are unable to properly configure the receiver yourself, you may want to consult

a professional installer for advice. The power and signal quality indicators refer to the first transponder of the chosen satellite list.

Changing the *DiSEqC 1.0 / 1.1* parameters, *DiSEqC 1.2 / DiSEqC 1.3*, you will get three different configuration modes.

8.1 Simple installation

For the single inverter antenna (LNB)/satellite with direct connection between the TV and antenna, they DiSEqC commands or other special communication protocols are not used.

8.1.1 Antenna and satellite configuration

From the Antenna setup menu make the following choices:
1. *Satellite*: Satellite choice of interest. Highlight the Satellite confirm by pressing OK and press ►.
1. *LNB type*: Type of converter (Low Noise Block converter - LNB) associated to the chosen satellite. For common satellite systems used in Italy, The *Universal (9750/10600)* is used.
2. *LNB power*: LNB power supply for switching between horizontal and vertical polarization. Generally it must be maintained active (13 / 18V). Its inactivation is rather useful when you realize IF-IF distribution plants (for Expert users).
3. *22KHz*: 22KHz signal switching between high and low band
2. *Tone burst*: none
3. **DiSEqC 1.0**: *none*
4. **DiSEqC 1.1**: *none*
5. **Motore**: none

8.1.2 Channel search for satellite

After setting the configuration, to search channels on the chosen satellite press the BLUE button *Scan* and define the following parameters in the **Channel Search** dialogue window:
1. *Scan type*: scanning mode following the transponder database (default option) or blind-scan frequency steps (Blind-Accurate option) or via network (network option) that scans the active transponders.
2. *Channel type*: choose *free to air channels* to only search for Free channels (recommended), *Scramble* only for encrypted channels or *Free+Scramble* to scan both types.

3. *Service type*: choose DTV to only search for TV channels, Radio to only search for radio All
4. Press OK to start scanning.

8.2 SCR/Unicable System

For single-antenna converter (LNB) / satellite installations with SCR / Unicable technology for the distribution of satellite signals to multiple points of use (receivers) with a single cable, you must set the LNB type with the Unicable value and enter the appropriate configuration:

Canale IF: User number corresponding to the channel assigned to the TV/Receiver regarding the SCR system. Each receiver connected to the same system must use a different IF channel.

Central Freq.: main frequency of the band/SCR channel assigned to the user. Typical values for interfacing with other receivers/tuners are

IF Channel	1	2	3	4
Freq.	1210	1420	1680	2040

Press Exit to save settings and return to the previous screen and continue with the channel search as shown in paragraph 8.1.2.

CAUTION
If two receivers are connected in cascade to the antenna signal via the LNB OUT pass-through connector, they can not operate simultaneously. When a receiver is switched on, the other must be placed in stand-by (not supplied with the tuner) and vice versa
To connect multiple receivers to a SCR system, do not use the connection through antenna receiver, but use a suitable divider external signal.

8.3 System DiSEqC 1.0/1.1

The DiSEqC 1.0 / 1.1 protocol has been developed for receiving multiple satellites via antenna systems with multiple converters, also known as multi-feed, and up to four different orbital positions for the DiSEqC 1.0 and up to sixteen for DiSEqC 1.1.

8.3.1 Antenna e satellite configuration

From the Antenna Set Up perform the following options:
1. *Satellite*: chose the desired satellite. Highlight the satellite and press OK to confirm and press ►.

2. **LNB type**: inferior/superior frequency of the local oscillator of the converter
3. **LNB power**: LNB supply for switching between horizontal and vertical polarization
4. *22KHz*: signal at 22KHz switching between high and low band
5. *Tone burst*: none.
6. **DiSEqC 1.0 o DiSEqC 1.1**: select the LNB number based on its aerial system (i.e. Dual-feed: Hot Bird 13°E on LNB1 and Astra 19.2°E on LNB2)
7. **Motor**: none.

NOTE
Repeat the above procedure for each satellite for which you want to perform a channel search

8.3.2 Channel search for satellite

Se the procedure illustrated in paragraph 8.1.2

8.4 Motorized Antenna

The configuration differs depending on the type of engine used to implement the system, the TV is able to control the movement/rotation of the antenna manually (DiSEqC 1.2) or semi-automaticlly (also known as DiSEqC 1.3 USALS).

8.4.1 DiSEqC 1.2

From the Antenna Setting menu, make the following choices:
1. *Satellite*: chose the desired satellite. Highlight the satellite and press OK to confirm and press ►.
2. **LNB type**: inferior/superior frequency of the local oscillator of the converter
3. **LNB power**: LNB supply for switching between horizontal and vertical polarization
4. *22KHz*: signal at 22KHz switching between high and low band
5. *Tone burst*: none
6. **DiSEqC 1.0**: none
7. **DiSEqC 1.1**: none
8. **Motor**: DiSEqC 1.2

Subsequently, you need to configure the Western and Eastern limits of the system rotation by pressing the RED button **Set limit**:

1. *Continuous movement*: moves the motor West/East via the◄/► arrows.
2. *Step motion*: moves the motor with an indexing motion.
3. *Set West limit*: defines the Western limit of the motor
4. *Set East limit*: defineds the Eastern limit of the motor
5. *Go to reference*: recalls the default position of the motor (usually coinciding with "0" degrees)
6. *Disable limits*: resets the West/East limits previously set

Press EXIT to save your settings and return to the previous screen. Once you have set the limits, you also need to define the exact position of the selected satellite; press YELLOW **Position setting**:

1. *Automatic movement*: automatically moves the motor
2. *Continuous movement*: moves the motor West/East via the ◄/► arrows.
3. *Step motion*: moves the motor with an indexing motion.
4. *Memorize location*: stores the motor position for the selected satellite
5. *Go to the position*: moves the motor to the memorized position for the selected satellite
6. **Go to reference:** recalls the default position of the motor (usually coinciding with "0" degrees)

Press Exit to save settings and return to the previous screen and continue searching channels like illustrated in paragraph 8.1.2.

8.4.2 DiSEqC 1.3

From the Antenna Setup menu make choices according to point 8.4.1 with the exception of item 8 in which you have to set the DiSEqC 1.3 value. So it is necessary to configure the motor defining the Western and Eastern limits, the position of the satellite, and the geographic position of the antenna.

The Eastern and Western limits are set exactly as above (by pressing the RED button **Set limit**).

The satellite position is also set as above (by pressing the YELLOW button Set Position).

The geographical location is configured by pressing the GREEN button **Location**:

Position: select one of the available options or **Manual** to enter the location manually

Longitude Direction: Choose East or West
Longitude Angle: Enter the degrees longitude
Latitude Direction: Select North or South
Latitude Angle: Enter the relative latitude degrees

Press Exit to save settings and return to the previous screen and continue searching channels like illustrated in paragraph 8.1.2.

8.5 Automatic scanning

In the event you want to scan satellite channels (for example to update the channel list) and the antenna system is a Simple type or a previously configured one, in the Channels menu you have the Automatic Scan option; through it (as described in section 6.8), once you set the country and the desired satellite, you can define search parameters as described in paragraph 8.1.2 and press OK to start loading the pre-configured channel list or channel scan.

9 Security – System Block

To access the menu you must enter the password set at the time of initial installation (default PIN: **0000**).

System block
If set on ON, the access to some functions is password protected.

Blocked channel
If activated on one or more channels, vision of these channels is permitted only after entering a password. To activate the function, select the channel with the ▲/▼ buttons and press **OK** (the "lock" icon will appear next to the locked channel).

Parental control: it allows the user to control the viewing of sensitive events. If the selected channel transmits an event with vision protection information for a public older than a specific age, then the TV will block the channel. A password request to release the channel will appear on the screen.

Keyboard lock: Once enabled, the user can interact with the TV only via the supplied remote control.

New Password: Allow you to change the default password.

Clear Lock: removes all user-set blocks.

Hotel setting mode: Activates the Hotel function, which enables the user to customize the menu and some functions authorizing access by password.

ATTENTION!
Write down and preserve the new PIN code in a safe place. In the event that you forget the password, use the universal code "8899", which will grant you access to the Password menu, and allow you to set a new password.

10 Image Menu

From this menu you can adjust the Brightnees, Contrast and Sharpness levels.

Picture Mode: You can select one of the default settings, which are not adjustable (Dynamic Standard or Soft) or the "Custom" option which allow you to regulate the above mentioned levels.

Color Temperature: This function allows you to adjust the intensity of the color of the image

Aspect Ratio: Allows you to change the screen aspect ratio, the available options are: Auto, Full (16: 9), Zoom1, Zoom2 and 4: 3

Advanced settings: in the submenu, Noise Reduction (NR), MPEG NR and Dynamic Contrast settings are available; using these functions, you can reduce interference and noise formed in the picture.

11 Audio Menu

From this menu you can adjust the TREBLE, BASS, and Sound BALANCE audio levels.
Sound Mode: You can select one of the default settings, not adjustable (Standard, Music, Movie) or the User option; that allows the settings of Treble and Bass.
Balance: You can adjust the volume from the left/right speakers, giving precedence to one another.
Surround sound: turn on or off the Surround mode
Auto Volume (AVL): If set to ON, it memorizes the audio levels after powering down and plays them again when you turn the device on.
SPDIF: Defines the audio output mode from "Coaxial" connector. OFF = always off, PCM = stereo and AUTO = keeps the original format of the audio signal.
Description Audio: actives and adjusts the descriptive audio volume (if available on program) for visually impaired users.
Sound types: the available modes are: Stereo, Dual I, Dual II and Mix.

12 Time settings

From this submenu (in the **Settings** menu) you can set the time by selecting **Time Zone** (GMT) corresponding to the country of installation and in addition there are the following options:
Time Zone: Allow you to set / change the reference time zone.
Date and Time: allow you to set the date and time.
Off Timer: allow you to automatically switch to standby mode after a set time.
Auto power off: if activated, the TV automatically switches to standby after the set period from last command received (3, 4, 5 hours or off).
OSD Time: Sets the time-out exit from the OSD menu if no interaction with the same.

13 Settings Menu

From this menu you can set the OSD language, audio and subtitles, the duration of viewing of the information (the channel banner, menu ….) And more:

Channels update feature allows you to enable / disable the automatic scanning channels when the TV is in operating mode. During normal operation, if the function is active (ON), the TV dynamically performs an update of the DVB-T channel list (terrestrial) in the event that changes have been introduced within the tuned frequency.

Restore Factory Settings: This function allows you to restore factory settings. To do so, select **Restore settings** ... and on the new screen, select YES. The television will be restored to its factory settings.

ATTENTION!

Restoring the factory settings starts the installation wizard (see section "First Installation"), and also clears all previously memorized channels and settings set by the user.

14 USB Media player

From this menu, you can view your personal files contained within a memory device connected to the TV via the USB input.

The media player function is accessible from the Source (**Source**) key or by pressing the **USB** button.

Once you choose the file type you want to play, the device will only show video files of that type; use ◄/►/▼/▲ to navigate through folders / files, and OK to confirm and start playback.

During playback, you can handle the content with the usual **Play / Pause**, **Stop**, **Fast Rewind**, **Fast Forward**, **Previous** and **Next** (for details read Section 4.1) or by pressing the OK button and/or INFO you can recall all the functions available for the media type. During video playback, press the **Subtitle** button to enable / choose the subtitles for the track (the file that contains external subtitles must be named exactly as the video file).

During playback of the files, press the **INFO** button to show/close the bar of instruments active according to the type of file played.

WARNING

Compatibility with all USB storage devices on the market is not guaranteed.

15 Troubleshooting

If you have problems using the TV, here are some suggestion on how you can solve them yourself.

Before contacting a service department (warranty), try to carry out some of the tests suggested in the table.

	Check if the TV is on	Try a different channel	Check the antenna connection	Check the condition of the antenna cable	Re-align the antenna	Probable interference from other devices	Adjust reception by "fine tuning"	Adjust the brightness	Verify that the transmission is in color	Adjust color	Check presence / position of the batteries	Power on / off by removing the power supply	Remove and insert the module again	Check the correct insertion of the module
No Audio/Video signal	●	●	●	●			●							
Audio disturbed, but Image OK		●			●		●							
Image disturbed, but Audio OK		●	●	●	●		●	●						
Lines in the image		●		●	●	●	●							
Distorted image		●		●	●		●							
Some weak channel reception		●	●	●	●	●	●							
Horizontal bars					●	●	●							
Bad Color quality		●	●	●	●	●	●	●		●				
No color		●	●	●	●		●		●	●				
Remote does not work											●	●		
The TV doesn't respond											●	●		
"Waiting for module" message													●	●
CAM module doesn't respond													●	●

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16 Technical Specifications

Model	PALCO19LED07 – PALCO22 LED07 – PALCO24 LED07	
	Display	Diagonale 18,5" (47,0 cm) 16:9 Wide Diagonale 21,5" (54,6 cm) 16:9 Wide Diagonale 23,6" (59,9 cm) 16:9 Wide
	Resolution	1366(H) x 768(V) – PALCO19 e PALCO24 1920(H) x 1080(V) – PALCO22FHD
	Contrast Ratio	1000:1 – PALCO19 e PALCO22 2800:1 –PALCO24
	Brightness	200(cd/m^2)
	Viewing Angle	176°/176° (H/V)
Inputs	Component	(YPbPr) + Audio(Adapter not included)
	HDMI / Scart	1 / 1
	A/V in	1(Adapter not included)
	USB	1 – Mediaplayer function
	VGA	DSUB15 + Audio PC
TV signal	RF input DVB-T	75 Ω – VHF/UHF - 7MHz/8MHz
	RF input DVB-S	1 F type
	Video	MPEG2, MPEG4 H.264/AVC e H.265/HEVC
	Audio	MPEG1 layer1/2; DD; DD+; AAC; HE-AAC
	Speaker	3 Watt x 2
General information	Supply	With the adapter included 100V - 240V, 50/60Hz output 12V 3A
	Consumption	<0,5W in Stand-by; <36W Max
	Supported USB formats	AVI/MP4/MKV (compatibile H.265)
Dimensions	TV (l x h x d)	441x314x170mm – PALCO19 506x352x170mm – PALCO22 556x369x170mm – PALCO24
Standard wall mount		VESA 100
Accessories		Standard remote, simplified remote control, power supply, instruction manual, batteries (AAA x4)

28000104   TV LED PALCO19 LED07T2/S2 HEVC
28000105   TV LED PALCO22 LED07T2/S2 HEVC
28000106   TV LED PALCO24 LED07T2/S2 HEVC

Tele System Electronic declares under its own responsibility that this product meets the essential requirements of the European directives 2014/30/EU (EMC - Electromagnetic Compatibility), 2014/35/EU (LVD - Low Voltage Directive) and 2009/125/CE reg. 642/2009, 801/2013 (EUP – Energy Using Product), in respect of the following technical standards:

ELECTROMAGNETIC COMPATIBILITY (EMC)
EN55013:   2013
EN55020:   2007 + A11:2011
EN55022:   2010
EN55024:   2010
EN61000-3-2:   2014
EN61000-3-3:   2013
LOW VOLTAGE (LVD)
EN60065:   2002 +A12:2011

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All supporting documentation of compliance regarding the directives and the Decrees mentioned is available from Digital TELE System Srl.

Bressanvido, February 2016