



## TELEFUNKEN TF-LED32S72T2 LCD TV with LED Backlight Instruction Manual

[Home](#) » [TELEFUNKEN](#) » TELEFUNKEN TF-LED32S72T2 LCD TV with LED Backlight Instruction Manual 

# TELEFUNKEN

LED TV with LED backlight

TF-LED32S72T2

Instruction Manual





## Contents

- [1 TF-LED32S72T2 LCD TV with LED Backlight](#)
- [2 Before you start](#)
- [3 Installation](#)
- [4 Connection](#)
- [5 Operation](#)
- [6 General Information](#)
- [7 Documents / Resources](#)
- [8 Related Posts](#)

## TF-LED32S72T2 LCD TV with LED Backlight

Dear customer! Thank you for purchasing our product. For safety, it is strongly recommended to read this manual carefully before connecting, operating and/or adjusting the product and keep the manual for reference in the future.

### Before you start

#### Utilization of the product

If you want to dispose of this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling. Please contact your local authorities for the correct method of disposal. By doing so, you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

### Important safeguards

- Please unplug the power cord from the AC outlet and contact a service center for repair if following occurs: any obvious abnormality appears in the unit, such as smoky, peculiar smell or strange sound; liquid has been spilled or other objects have fallen into the unit; no picture or sound; cover or panel is broken; although you have operated the unit following the operating instructions, it still cannot work normally.
- This unit can be connected to a power supply outlet without the third ground contact as well as with a ground contact.
- Always disconnect the power cord and antenna during a storm.
- Do not fix the power cord with a metal nail.
- Unplug the power cord from the AC outlet; also unplug the signal cables from the input ports when the unit is unused for long periods of time.
- When unplugging the plug, always hold the wide slot, do not touch the metal part, and do not destroy, twist, pull or roast the power cord.
- Please contact the service center immediately if you found that the core is showed in the air or has been broken.
- Please replace the AC outlet if the metal bolt cannot be inserted into the power socket completely or it cannot be fastened even when it was pushed in, otherwise, any accidents of shocks and fires would happen.
- Never touch the antenna lie or power plug if it starts to thunder.
- Do not touch the power plug with wet hands.
- Do not use any non-rated power socket with numerous devices jointed on one power socket or cable device. The wire of non-designated capacity may cause the fire due to the generation of heat.
- All instructions must be read and understood well before you operate the unit. Heed all warnings and follow all instructions.
- Please use the accessories provided by the manufacturer. Using inadequate accessories may result in accidents.
- Please adjust the product through the panel buttons or the remote controller, do not remove the cover or attempt to service the product by yourself. Do not disassemble back cover and do not make maintenance by yourself to avoid the electric shock.
- Over-press the panel may destroy the product.
- Do not place the product on an unstable cart, stand surface, tripod, bracket, or table. The product may fall, causing serious accidents as well as the damage to the product.
- Please place the product on a flat surface in a well-ventilated location. Keep it away from the burning-light, direct sunlight, vibration, high-temperature and humidity.
- Do not place any vase, potted plant, cup, medicine and any container with water on this product. If the liquid is spilt, it may cause the fire, electric shock or breakdown.
- Do not install it at the place on the strong magnetic field or current field. It may cause break down. This equipment may be observed deterioration of the picture by electromagnetic radiation in electromagnetic environment.
- Fasten the wheel of the product or shelf with wheels when installing this product. If it moves or is tipped over, it may be damaged.
- Do not place any fire source such as candlelight close to this product or place it on this product. If it is tipped over or fallen down, it may cause damage or fire.
- Do not place the unit into closed space of TV for better ventilation; it can reduce the product lifetime. Keep a space at least 10 cm at above, left, and right of the TV.

- Please place all the signal cords behind of rear panel.
- Do not overexert or touch the panel when you convey the product. Do not transfer the LED TV up or down display direction.
- Do not transport it with the power cord or the connection cable connected. If you move this product with the power cord or the connection cable connected, damaged power cord, connection cable or connection terminal may cause fire, electric shock or breakdown.
- 2 persons or more shall transport the device, which is heavier than 18 kg. If you drop or tip over the device, it may damage it.
- The temperature of the product's body becomes a little higher after a long period use. This phenomenon indicates that heat exchange in normal working mode, thus please do not let children or anyone who is sensitive of temperature to touch.

All images provided herein are schematic drawings and may differ from real objects.

**WARNING** In order to avoid damage, make sure to secure the unit on the wall according to the wall mounting instruction.

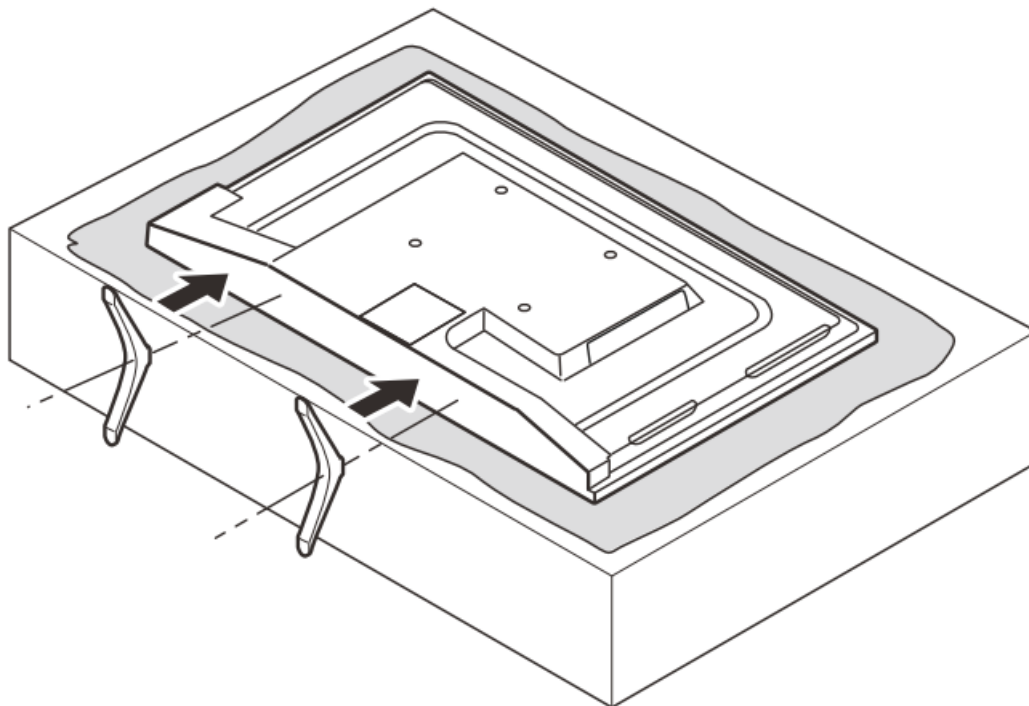
## Installation

### Wall mounting

For wall mounting the back panel of this unit is equipped with a VESA slot. A 100x100 mm VESA wall-mount bracket should be used for wall mounting. The wall-mounting bracket is not included and should be acquired separately. Manufacturer is not responsible for improper mounting resulting in a damage to the unit.

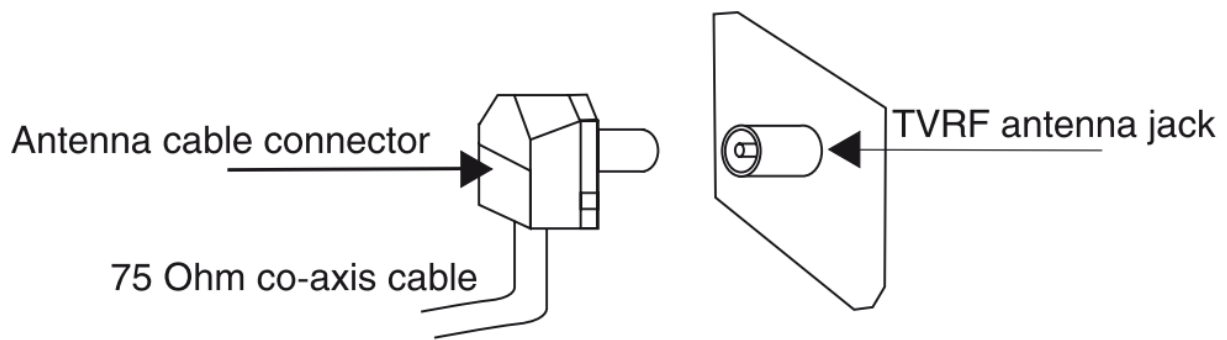
### Stand installation

Cover a flat stable surface with a soft cloth. Place the TV unit face-down on the cloth. Insert double support legs and fix them with supplied screws as shown below.



**Wall or ceiling mounting implements must be durable and sufficient enough to support the weight of the unit.**

## Connection



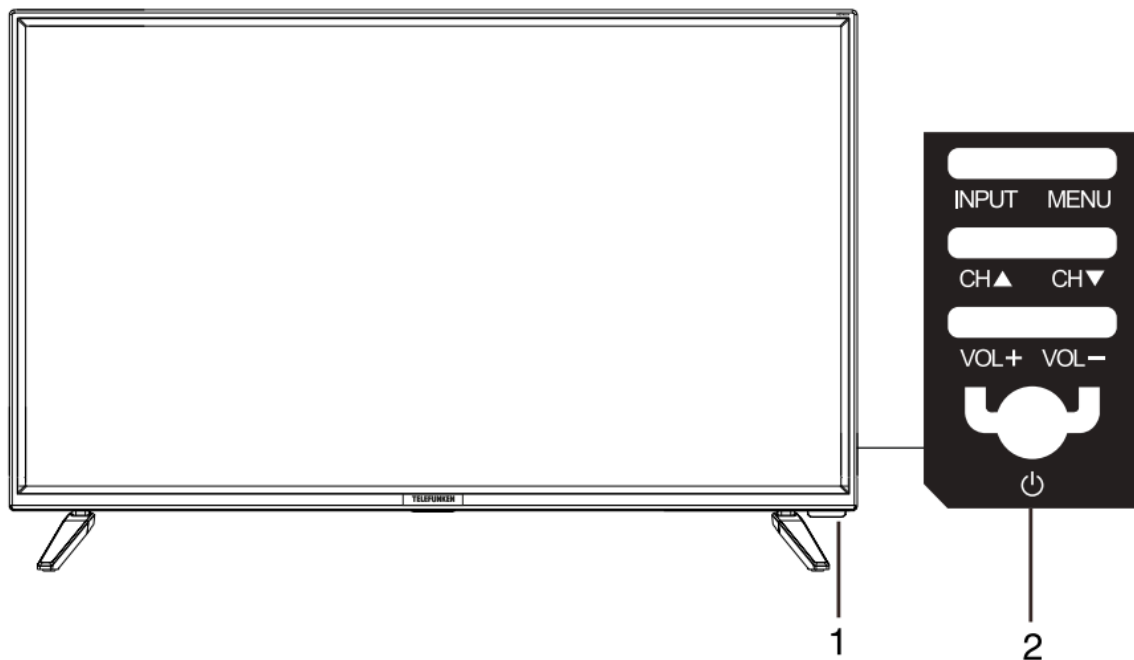
Outdoor antenna connection Use 75 Ohm cable plug or 300-75 Ohm impedance converter to plug in antenna input terminal on the rear of the cabinet.

### Other connections

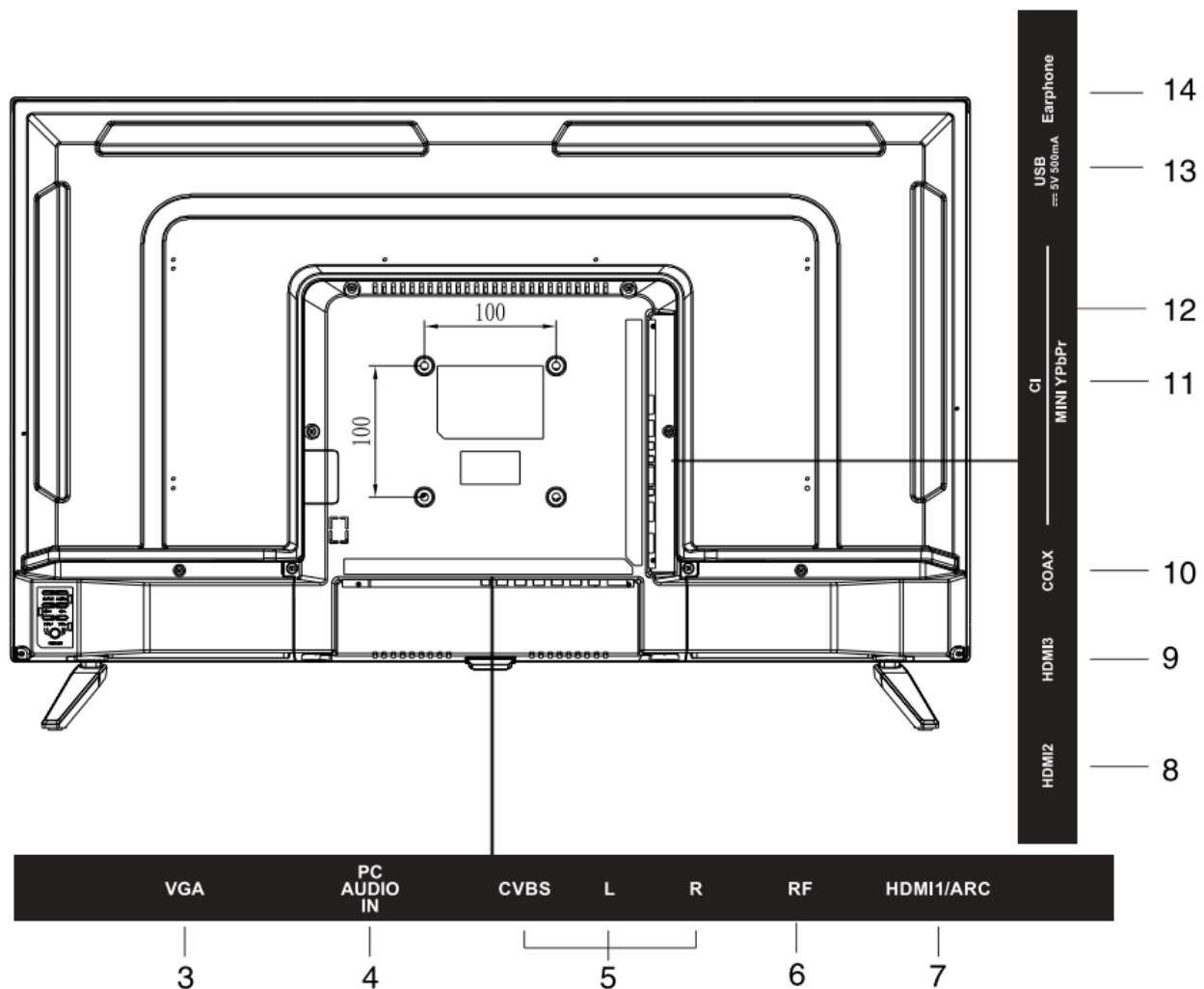
- Connect the video source to the AV input using a CVBS cable (not included).
- Connect the audio source to the Left and Right stereo audio inputs.
- Component input YPbPr is intended to receive component video signal from the external device. Connection is made with the help of a special component cable.
- Plug the power cable in the electric outlet, making sure the current voltage is supported.
- When using the LED as a computer screen, connect the PC to the VGA jack from the monitor using a VGA cable (not included).
- This unit has a PC audio in jack. Connect this jack to a PC using an audio cable (not included) in PC mode and adjust the volume to the desired level.
- If the video source has a HDMI output jack, you can connect the signal to the monitor with the HDMI cable (not included).
- Coaxial SPDIF output is intended for transmitting multi-channel sound to an external decoder (e.g. in 5.1-CH format). Coaxial cable should be used for connection (not included).
- Connect your headphones or earphones (not included) to the headphone socket of this unit. When earphones are connected, the sound output through the built-in speakers of this unit is mute.
- PCMCIA slot is used for CI modules that are obtained from your digital TV provider.

### Operation

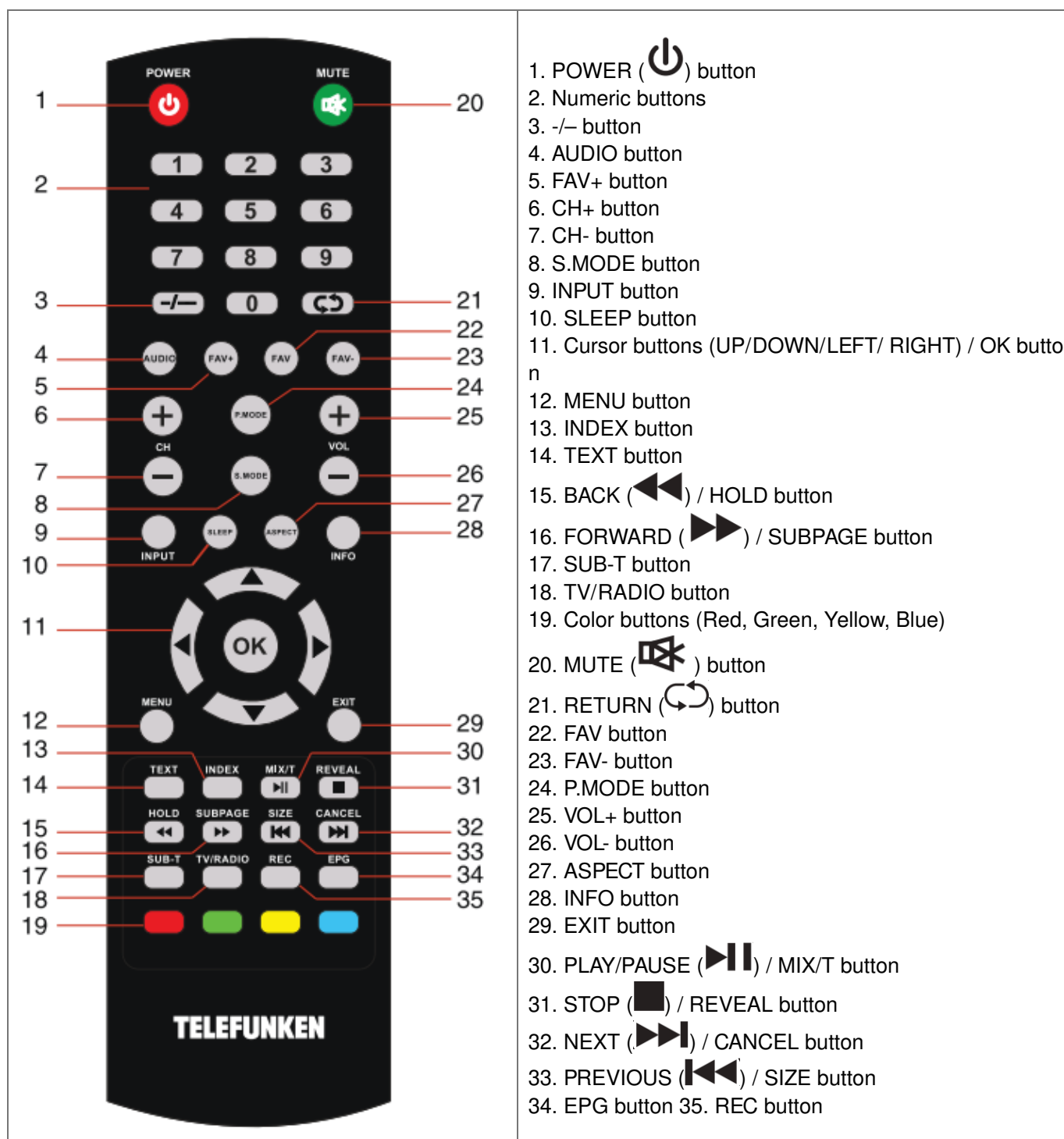
#### Control elements



1. IR sensor/power indicator
2. Button panel: INPUT button MENU button CH+ button CH- button VOL+ button VOL- button POWER button
3. PC video (VGA) input
4. PC audio input
5. Composite AV input
6. 'TVRF antenna input
7. HDMI1/ARC input
8. HDMI2 input
9. HDMI3 input
10. SPDIF coaxial output
11. Mini YPbPr input
12. CI (PCMCIA) slot
13. USB port
14. Earphone socket



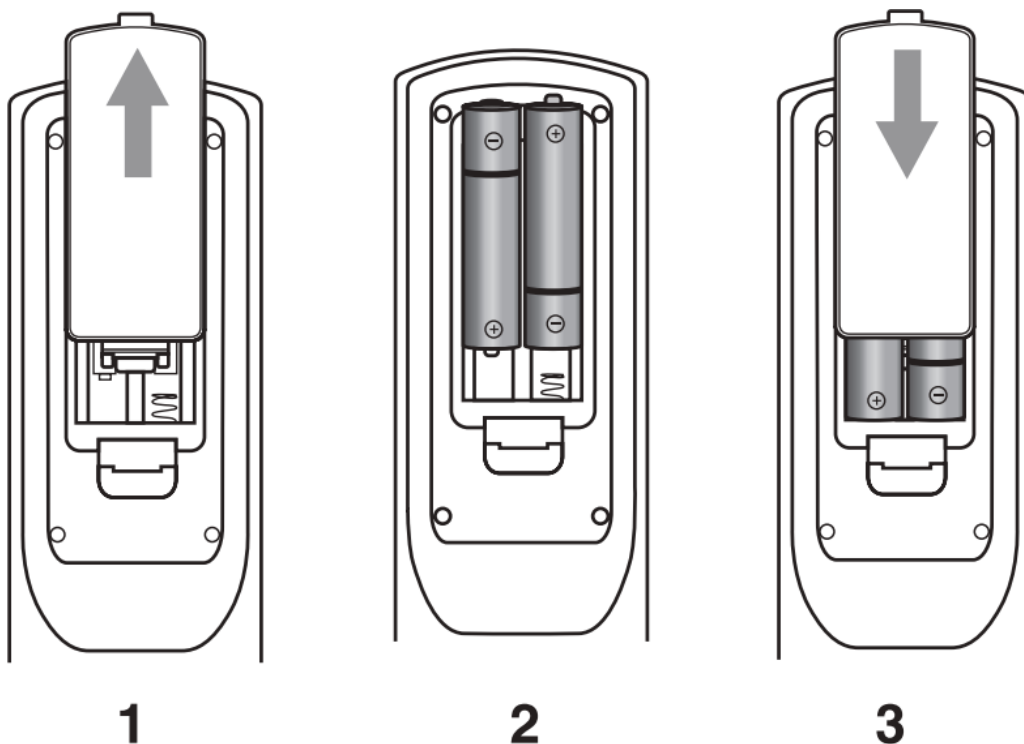
Remote controller (RC)



## Changing the battery

1. Remove the battery compartment cover on the back of the RC.
2. Insert the batteries into the battery compartment making sure that the correct polarity is observed.
3. Install the cover back.







- Use two AAA batteries for the RC. The RC should be pointed at remote sensor within 8 meters and within 30 degrees at the left or the right side.
- Take the battery out of the RC if it is not used for a long time.
- Do not mix new and used batteries or different types of batteries. Weak batteries can leak and severely damage the RC.
- Do not expose the RC to shock, liquids, and do not place it in an area with high humidity.

**CAUTION!** Incorrect installation of the batteries may lead to an explosion. Please replace used batteries with the batteries of the same or comparable type.

#### General operations

- Press  button on the unit or on the RC to switch on the power. Press POWER button again to switch the unit off and go to the stand-by mode. To completely power off the unit unplug the power cable from the outlet.
- Press VOL- button repeatedly to decrease the volume; press VOL+ button repeatedly to increase the volume.
- Press SLEEP button repeatedly to set the sleep time.
- Press EPG to launch the Electronic Program Guide (EPG).
- Press SUB-T to show and set the language of a current DTV channel.
- Press REC to begin recording of current playback in PVR mode.
- Press  button on the RC to select from the present channel and the previously displayed channel.
- Press ASPECT button repeatedly to select a screen display size from the available list: 4:3/16:9/Zoom1/Zoom2/Panorama. Available aspects may differ for different signal sources.
- Press MUTE button to cut off sound, press this button again or adjust volume to resume sound.
- Press TV/RADIO button to switch between TV and radio modes when watching channels.
- Select the TV function mode. Press CH-/CH+ buttons to select previous or next channels; or press number buttons and -/-to enter a channel number directly.
- Press P.MODE button repeatedly to cycle through the available video picture modes.

- Press S.MODE button repeatedly to cycle through the available sound modes.
- Press INFO button to display the preset TV channel play information.
- Press FAV button to show the favorite channel list and FAV+/- buttons to add/ remove favorite channel.
- Press AUDIO in TV mode repeatedly to switch between various Nicam sound modes (can be unavailable for some channels).

### Signal sources

Press INPUT button, then press DOWN/UP cursor buttons on the RC or CH+/CH- buttons on the panel to select a source from the list. Press OK button on the RC or MENU button on the panel to confirm. Press EXIT to exit.

### TELETEXT operations (option)

- Select the TV source mode. Then press CH-/CH+ buttons to select TV channel in order to pick up the picture signal of Teletext.
- Teletext button functions are as follows:  
 TEXT: Press this button to enter into Teletext mode. Follow the guides on screen and use the color buttons to navigate the Teletext.  
 Red/Green/Yellow/Blue buttons: Press these 4 color buttons to access directly to corresponding color page displayed at the lower parts of teletext screen.  
 REVEAL: press this button to display and reveal hidden information.  
 SUBPAGE: press to access a subpage of the Teletext.  
 HOLD: press this button to stop the move to the next page. Press this button again to cancel operation.  
 INDEX: press this button to go to the index page.  
 SIZE: press to adjust the size of Teletext.

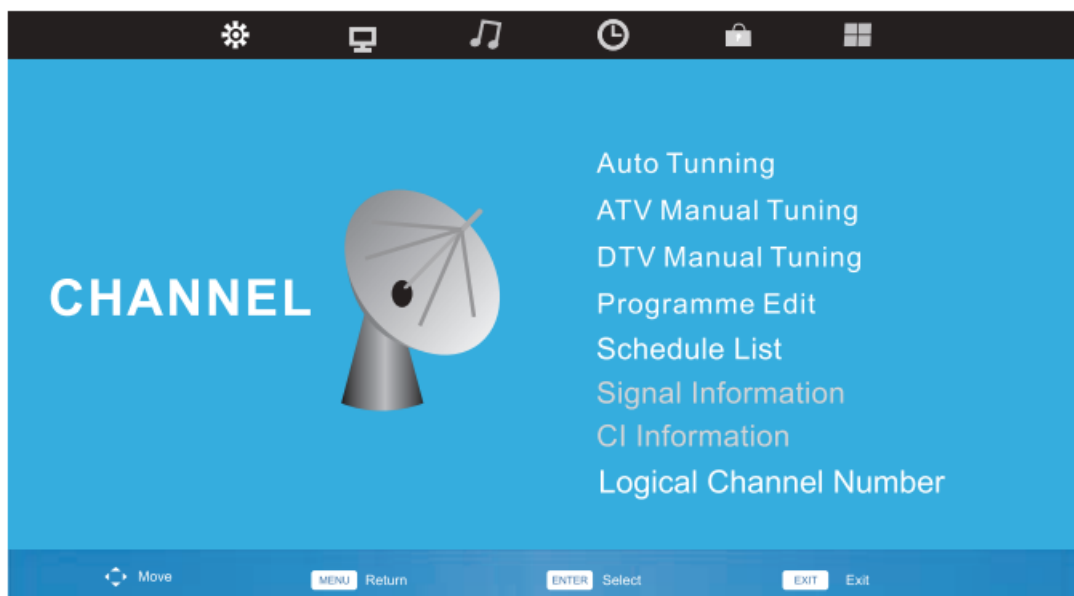
### OSD operation


1. Press MENU button to enter the setting menu displayed on the screen.
2. Press LEFT/RIGHT cursor buttons on the RC to select setting page.
3. Press OK button on the RC to go to the parameter list.
4. Press UP/DOWN cursor buttons on the RC to select a parameter to adjust.
5. Press LEFT/RIGHT cursor buttons on the RC to adjust the selected parameter.
6. Press MENU button to return to the previous menu page. Press EXIT button on the RC to quit the menu.



Some menu items may be in gray color, in this case they are not adjustable. Pictures of OSD menu are for reference only; they may differ from the real screens.

### Channel setting



- Auto Tuning: press OK to select the country and tuner type for channels to start automatic search and saving of available ATV channels. After the search is finished, the unit will skip to searching DTV channels, Radio channels and Data. During the ATV search, press MENU button to skip to DTV, Radio and Data search.
- ATV Manual Tuning: Current CH: select channel number.  
Color System: select corresponding color system. Sound System: select corresponding sound system.  
Fine-Tune: perform fine adjustment of the current frequency.  
Search: press LEFT/RIGHT buttons; the unit will search for next available channel downward or upward and save it under the current number.
- DTV Manual Tuning: Press LEFT/RIGHT cursor buttons to select channel number. Press OK button to start searching. If the selected channel number is available, the channel will be saved under the selected number. Press MENU button to quit.
- Programme Edit: this item allows you to sort TV programs according to your preferences.  
Enter the program edit menu:  
Delete: Select the channel you want to delete. Press red button to delete the channel.  
Move (not available for DTV channels with LCN): Highlight the needed channel.  
Press yellow button; select the position to put the channel into.  
Press yellow button to confirm. Skip: Highlight the needed channel.  
Press blue button; now this channel will be skipped when you select previous/next channels.  
Fav: select a channel and press the FAV+ button to add it to your list of favorite channels. Press FAV- to remove the channel from favorites.
- Schedule List: See the schedule of TV programmes.
- Signal Information: View the information on the current signal.
- CI Information (only in DTV mode): This function enables you to watch some encrypted services (pay services). Please insert a CI card into the PCMCIA slot according to the arrow on the CI card.
-  The function can only be gotten when CI slot is available.
- It is possible for you to change CI (Common Interface) menu screen and service by consulting your dealer.
- Please do not insert or pull out the CI card when power on. During initialization of the CI card, please don't operate the TV.

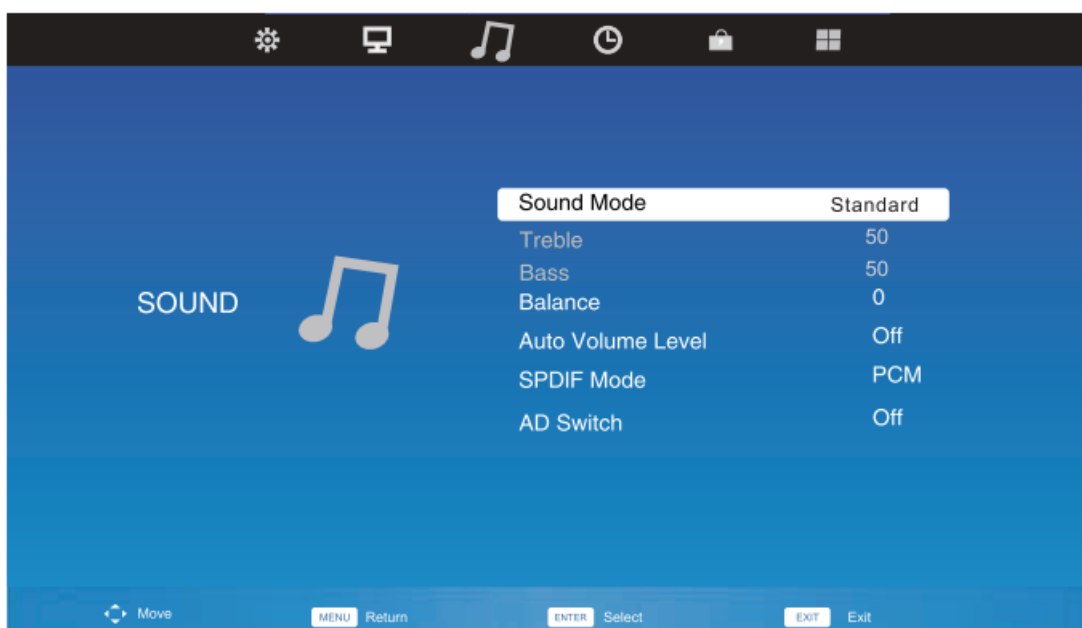
- Do not insert or pull out the CI card frequently so as to avoid any damages of the TV and the CI card.
- Logical Channel Number: Enable or disable channel sorting using the logical channel number.

## Picture setting



- Picture Mode: Dynamic/Standard/Mild/ Personal. When Personal mode is selected, you can adjust contrast, brightness, colour, tint (NTSC signal only) and sharpness of the image.
- Colour Temperature: Cold/Normal/ Warm.
- Noise Reduction: Dynamic noise reduction effect for reducing the video noise level. Select the Off/Low/Middle/High/Default mode.
- HDMI Mode: adjust the picture settings when HDMI is selected as a source signal.

## Sound setting

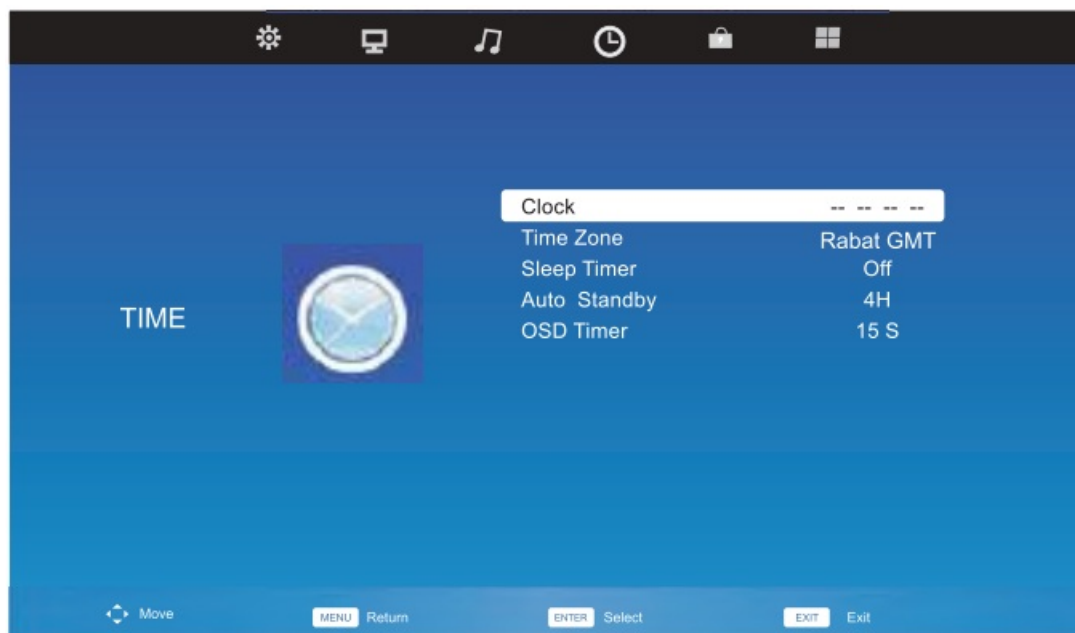


- Sound mode: Standard/Music/Movie/ Sports/Personal. When Personal mode is selected, you can adjust treble

and bass.

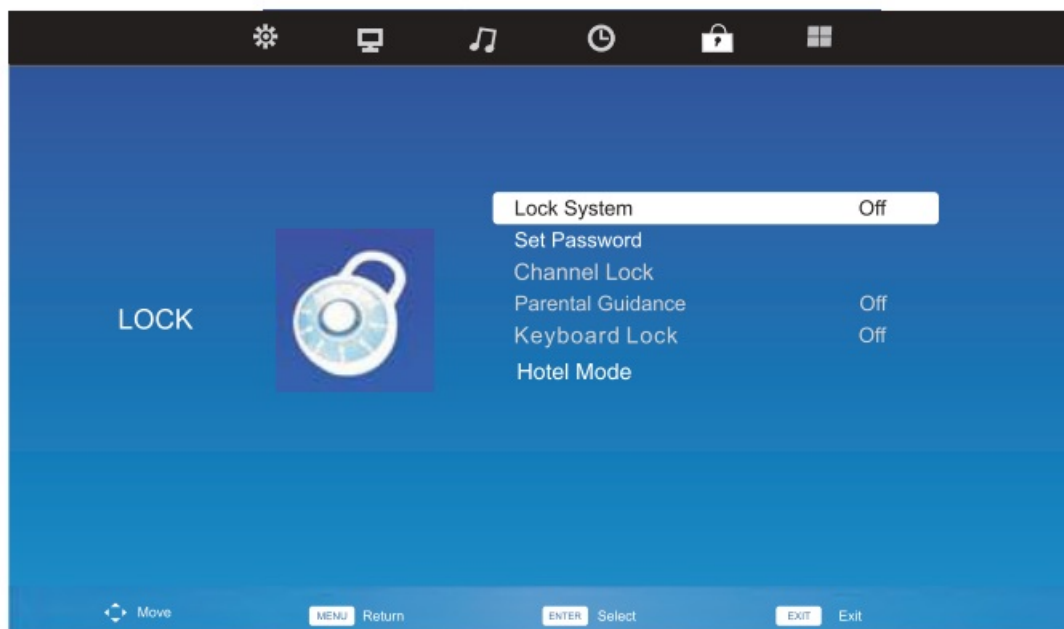
- Balance: adjust the balance between the left and the right speaker.
- Auto Volume Level: reduce the difference between channel and program volume automatically.
- SPDIF Mode: Select the digital audio output mode: Auto/PCM/Off.
- AD Switch (in DTV mode): This is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD (Audio Description), when it is sent along with the Main audio from the broadcaster. Users can turn the Audio Description On or Off and control the volume.

## Time setting



- Clock: You can display either the DTV signal stream time or set the system time.
- Time Zone: select your time zone.
- Sleep Timer: select the period until automatic switch-off of the unit.
- Auto Standby: select the period after which the TV turns off automatically if no input is given.
- OSD Timer: select the time during which the OSD menu stays visible.

## Lock setting



- **Lock System:** The feature can prevent unauthorized operation of the TV set unless entering a 4-digit password. When Lock System is on and the system is locked, you must input the system password at Auto Tuning, Manual Tuning, Programme Edit or Default. Press the right number buttons for the password. The default password is 0000.



After a password correction has been confirmed, please remember it for entering into the Parent Guide menu, all functions can not be activated until the correct password is entered.

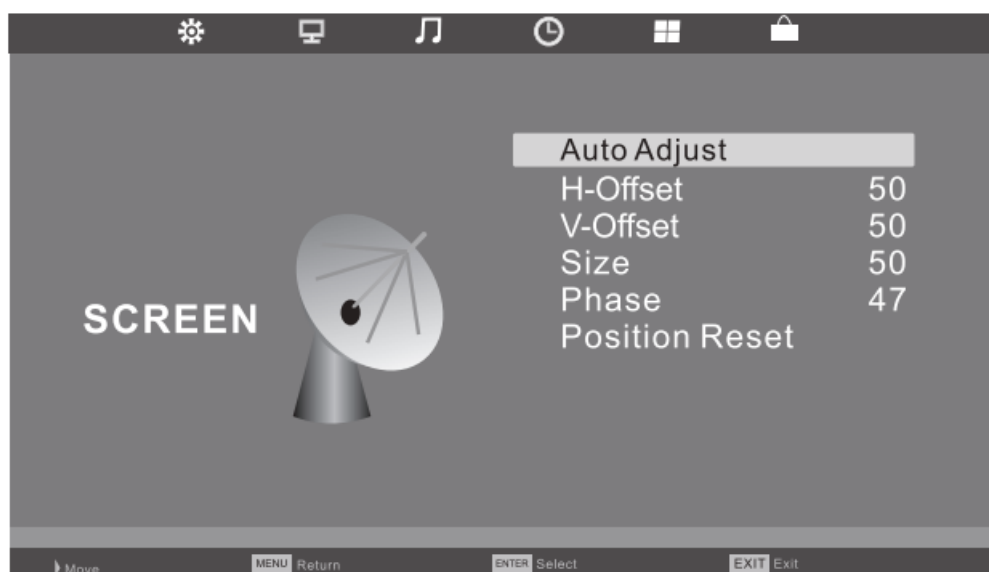
- **Set password:** You can set your private password. Press the number buttons on the remote control to set the new password. When the new password has been put in twice, the setting is finished successfully. The TV will go back to previous menu.
- **Channel Lock (in TV/DTV mode):** Press Green button to lock the available channel you want. Press Green button again to unlock it.
- **Parental Guidance:** set the access to age-restricted content.
- **Keyboard Lock:** lock and unlock the buttons on the TV set.
- **Hotel Mode:** when the Hotel Mode is enabled, the main menu is blocked. You can still control the volume as well as picture and sound modes, but channel search is restricted.

## Setup menu



- OSD Language: select the language of the on-screen display (OSD) menu.
- TT Language: select the language of the Teletext.
- Audio Languages: select the language of audio (available for some DTV channels).
- Subtitle Language: select subtitle language (available for some DTV channels).
- Hearing Impaired: When Hearing Impaired is on, the screen will give some information to people whose hearing is impaired. When Off, the information will be hidden.
- PVR File System (in DTV mode): Select Disc: select the storage used for PVR. Time Shift Size: select the time for Time Shift. Format: format the USB. Speed Check: display the speed of the storage.
- Reset: reset the parameters to initial factory settings.
- Software update (USB): Update TV software using a USB storage device.
- Environment: select an environment where the TV is used. It affects the power consumption.
- HDMI CEC: switch the HDMI Consumer Electronic Control feature on or off.

#### Screen setting (only in PC mode)



- Screen Setting (only in PC mode): Auto adjust: automatic setting of the parameters.

Horizontal Offset: adjust horizontal position of the image.

Vertical Offset: adjust vertical position of the image.

Size: adjust the image frequency manually.

Phase: adjust the phase manually.

Position Reset: reset the screen adjustment

## USB operation

### General information



USB file systems supported: FAT32. 2.0 USB version is supported. Maximum capacity 1 TB. For correct and satisfactory operation, licensed USB devices of well-known brands should be used with this unit. Avoid using USB devices of unknown brands. Playback of photos and music of only JPEG and MP3 format is supported. The output capability of the USB port is 500 mA.

- This unit supports playback of video files with AVI, TS, MP4, MKV, MOV extension, with video codecs H264/AVC, H263, MPEG1/2/4 and audio codecs PCM, MP3, AAC, AC3.



The above list of extensions and codecs is information only and is not a guarantee that all files having the above extensions and codecs should be read by this unit.

- Some AVI files cannot be played due to their parameters and recording conditions. Video files with AVI extension exceeding 2 GB in size may be played partially.

According to the USB 1.1/2.0 Standard, usage of a USB device with power current consumption exceeding 500 mA is not recommended without supplementary power supply. Failure to use supplementary power for connected USB drives with power consumption exceeding this value as well as defective USB drives may cause mechanical or thermal changes of elements of this unit as well as failure of internal elements of the USB port. Such damages are not warranty cases.

**Warning:** usage of external USB drives containing BIN files in the root directory may cause malfunction of the unit or damage to the software.

### File playback

Insert a USB into the USB jack. Press INPUT button, select Media option and press OK button. The screen will show USB playback menu.

#### USB

Photo

Music

Movie

Text

- Video file playback: Select Movie item and press OK button. Press cursor buttons to select a file and press OK button to start playback. During playback press MENU button to show playback menu in which you can select an operation by LEFT/RIGHT cursor buttons and perform this operation by pressing OK button. The operations include Play/Pause, FB, FF, Prev., Next, Stop, Charset, Repeat Mode, AB Repeat setting, Playlist, Info., Slow Forward, Step Forward, Goto Time, Zoom In, Zoom Out, Aspect Ratio, Move View. To exit video playback press EXIT button.
- Photo file playback: Select Photo item and press OK button. Press cursor buttons to select a file and press OK button to start playback. During playback press MENU button to show playback menu in which you can select an operation by LEFT/RIGHT cursor buttons and perform this operation by pressing OK button.

The operations include: Play/ Pause, Prev., Next, Stop, Repeat Mode Music, Playlist,



Info., Rotate (Clockwise), Rotate (Counterclockwise), Zoom In, Zoom Out, Move View. To exit photo playback press EXIT button.

- Music file playback: Select Music item and press OK button. Press cursor buttons to select a file and press OK button to start playback. During playback press MENU button to show playback menu in which you can select an operation by LEFT/RIGHT cursor buttons and perform this operation by pressing OK button. The operations include Play/Pause, FB, FF, Prev., Next, Stop, Repeat Mode, Mute, Playlist, Info. and Goto Time. To exit music playback press EXIT button.

### CI Information

(only in DTV mode): This function enables you to watch some encrypted services (pay services). Please insert a CI card into the

PCMCIA slot according to the arrow on the CI card.




The function can only be available when CI card is present.


- It is possible for you to change CI (Common Interface) menu screen and service by consulting your dealer.
- Please do not insert or pull out the CI card when power on. During initialization of the CI card, please don't operate the TV.
- Do not insert or pull out the CI card frequently so as to avoid any damages of the TV and the CI card.
- If there is no picture and/or sound with the CI+ CAM module inserted, please contact the customer support of the service provider.

### Electronic programme guide (EPG)

If you know the airing time of the current programme you can access the EPG menu by pressing the EPG button on the RC. The menu displays date and time in the top right corner, the list of the current available channels on the left, and the name of each programme starting in scheduled time periods on the right. Select the channel by pressing UP/DOWN and the programme by pressing LEFT/RIGHT. Follow the on-screen instructions and use color buttons to navigate this menu.

### PVR/Timeshift function

Insert a USB drive, the system will automatically create a folder to store the files recorded. Recording begins when REC button is pressed, and it records all the time until  button is pressed or the memory is full. PVR/Timeshift is a feature enabling you to record an air program while you are away.

Press  button to activate Time Shift while recording. You can operate referring to PVR/ Timeshift menu on the screen.

### General Information

### Troubleshooting

Below is a table describing simple measures that can help you eliminate most problems likely to emerge when this unit is in use. If below measures do not help, turn to a service center or to the nearest dealer.

Symptom	Cause	Solution
No picture, no sound, and no indicator light	The power cord is not plugged in. Contrast, brightness, color and volume are all in the minimum value or TV is in mute mode.	Plug the power cord in. Alter the value of contrast, brightness, color and volume.
Picture and sound with abnormality	Contrast and color are set improperly. Color system is set improperly. Sound system is set improperly.	Set the value of Contrast and color properly. Set the sound system properly.
The picture in VGA mode is abnormal	The PC settings may be improper.	Check and set the resolution parameters of your PC.
Picture is spotted or with snow	Signal source is low-grade or the signal is in a lower quality.	Use the qualified signal cord.
Blue background	No video signal or the signal cord is improperly/not connected.	Connect the signal cord properly.
No sound	No audio signal or the signal cord is improperly/not connected.	Connect the audio signal cord properly. Set the sound system properly.
The RC does not work	Batteries are improperly installed or exhausted.	Make sure the positive and the negative polarities are correct. Reattach the battery lid. Replace the batteries.

### Causes of interference

Incorporated in your TV receiver are the most up-to-date devices to eliminate interference. Local radiation however, can create disturbances, which visibly affect your picture. Proper installations, a good aerial are your best safeguards against these disturbances.

- **RF INTERFERENCE:** Moving ripples across the screen are caused by nearby transmitting or receiving short-wave radio equipment.
- **DIATHERMY:** Herringbone pattern and partial picture loss can result from the operation of diathermy equipment from a nearby doctor's surgery or hospital.
- **SNOW:** Weak TV signals from long distant stations result in an instead picture and give the effect of falling snow. An antenna adjustment or antenna amplifier may be needed.
- **GHOST:** Multiple image, caused by TV signals reflected back from surrounding buildings, hills, aircraft, etc. is minimized by correct aerial positioning.
- **CAR IGNITION:** Nearby cars and electrical motors can cause small streaks across the picture or make the picture roll.

### Accessories

1	LED TV	1 pc
2	Remote controller	1 pc
3	Battery	2 pcs
4	Stand	2 pcs
5	Screw	4 pcs
6	Instruction manual	1 pc

## Specifications



Size (diagonal)	31.5" (80 cm)
Response time	7 ms
Resolution	1366 x 768
Aspect ratio	16:9
View angle (Horizontal/Vertical)	176°/176°
Color system	PAL, SECAM
Sound system	B/G, DK, I, L
NICAM Stereo	2 x 10 W
Digital coaxial audio output (SPDIF)	+
Component video in (mini)	+
AV in	+
USB port	+
VGA	+
HDMI	+
DVB-T/DVB-T2/DVB-C signal reception	+
PCMCIA slot (CI, CI+ support)	+
Russian and English OSD	+
Progressive scan	+
Digital comb filter	+
Number of channels	DTV 700, ATV 99
Electric shock protection class Nominal voltage range:	II
Unit dimensions: with stand without stand	-100-240 V; 50 Hz; 728 x 478 x 194 mm 728 x 430 x 86 mm
Net weight	4.1 kg



The LCD panel is a high technology product with many thin film transistors that can give you a fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green, red, black or white, please note that this does not affect the performance of your LCD TV.

**Warning:** For the sake of improvement, unit specifications may be subject to change without prior notice.

[www.telefunken-electronics.ru](http://www.telefunken-electronics.ru)

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