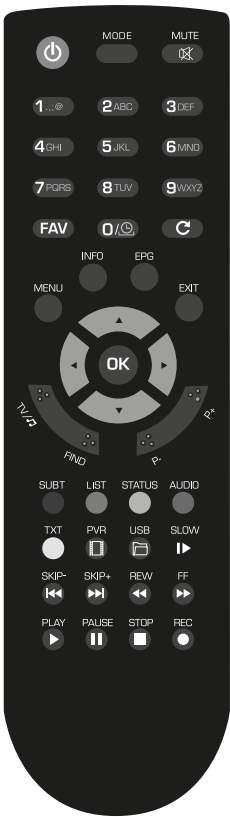


Quick Start

Digital Terrestrial Receiver

- Support of SD/HD (MPEG2/MPEG4 H.264), DVB-T
- PVR Ready - possibility to record on external USB drive
- Time Shift (video pausing, rewinding)
- HDMI video output
- Low power consumption in Standby mode
- Automatic Stand-by mode
- Electronic Power Guide - EPG
- Multilingual menu, including English



Remote controller

Button	Function
POWER - [Power]	Switch receiver on from standby mode.
HDMI	Select video output resolution.
MUTE - [Mute]	Enable or disable the audio.
Numeric buttons	Select channel or enter programming parameters.
[Clock]	Switch between Sleep Timer Off 10/30/60/90/120 minutes.
FAV	Set receiver to the favourite list mode, display actual favorite channel list.
LAST - [Last]	Switch to the previous channel.
MENU	Display the Main Menu on the screen or return to the previous menu or status.
INFO	Display information bar of current service.
EPG	Display Electronic Program Guide on screen.
EXIT	Cancel the user selection and return to the viewing mode from the menu.
[Left/Right]	Adjust volume level or move cursor left or right in the menu.
[Up/Down]	Change channel or move cursor up or down in the menu.
OK	Display channel list on screen. Select an item in menu.
TV/R	Switch receiver between TV and radio mode.
FIND	Enables to find channels by name entered by numeric buttons.
P- / P+	Move cursor to next or previous page.
SUBT	Subtitles setup.
LIST	Optional function.
STATUS	Display receiver status window.
AUDIO	Audio channels setup.
TXT	Display teletext information.
PVR	Display records list.
SLOW, SKIP-, SKIP+, REW, FF, PLAY, PAUSE, STOP, REC	Video functions (timeshift, playing, recording).
RED, GREEN, YELLOW, BLUE, WHITE, BLACK	Colour buttons (different functions per menu).

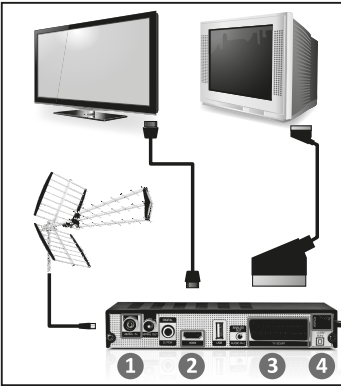
Basic connection



After purchasing receiver, unpack it and check if all of the following items are included:

- Receiver
- Remote controller
- Quick Start manual
- Batteries - 2x AAA (optional)

To install batteries in the remote controller remove the flap protecting the battery chamber. If there are used batteries, they must be removed. Put new batteries inside according to polarity description drawn inside. Place protecting flap on its original position.



1 Connect antenna to receiver's AERIAL IN connector.

2 Using HDMI cable connect receiver with flat panel TV or

3 Using SCART cable connect it with classic TV.

4 At the end connect main cord to the main socket.

Turn on the TV Set. After a while on TV Set You should see receiver's OSD . If the TV Set is not displaying receiver's OSD, probably signal source is set wrong. Check TV Set documentation for information how to change signal source.

Operating notes

Automatic Power Down

In accordance with actual European Union requirements, Your receiver is equipped with function "Automatic Power Off". It work by switching the receiver into standby mode after a period of 3 hours after the last active use. In practice this means that if during this time the receiver will not be given any command by using the remote control or keypad on the front panel, the receiver turns off. Turning off the receiver will be preceded (2 minutes previous) by a relevant message on the TV screen. Please also note that this feature is enabled by default, but at Your own request, You can disable it using the appropriate functions in the receiver menu.

Working with External USB Drive

During the selection and operation with USB drive (HDD, flash drive), You should pay attention to the following issues:

- Drive is compatible with USB 2.0 and has appropriate write and read speed,
- Drive contain one single partition, formatted in supported format,
- If necessary, drive should be supplied from an external power supply (especially for USB hard drives),
- Do not disconnect the drive during a write/read data operation,
- Do not use very full or fragmented drive.

Simple configuration

Generally once the receiver is switched on, the Installation Guide menu emerges.

1 Using [Down]/[Up] buttons choose menu language. Confirm your choice using blue button on remote control.

2 Using [Down]/[Up] buttons choose TV and aspect mode. 4:3 for standard TV or 16:9 for flat panel TV (LCD,LED). You can also choose option that your TV will manage aspect recognition (SCART connection is required). Confirm your choice using blue button on remote control.

3 Using [Down]/[Up] buttons choose menu color. Confirm your choice using blue button on remote control.

4 Using [Down]/[Up] buttons choose if you want to select summer time. It is important for proper working of EPG (Electronic Program Guide). Confirm your choice using blue button on remote control.

5 Using [Down]/[Up] buttons choose a country where you will receive terrestrial TV signal. Confirm your choice using blue button on remote control.

After this configuration, use the blue button on remote control to start scanning TV and radio channels. It will not happen if your antenna is not connected and configured.

After the end of scanning the receiver will display the first scanned channel.

Use **OK** button on remote control to display channel list. Using [Down]/[Up] buttons choose a channel and confirm your choice using **OK** button.

If after switching on the receiver you cannot see the Installation Guide menu, use **MENU** button to enter the main menu and using [Left]/[Right] buttons choose **TOOLS** submenu and select **Load Factory Settings** and confirm it using **OK** button.

Configuration of Installation

If your antenna needs a +5V power supply - use **MENU** button to enter the main menu and using [Down]/[Up] buttons enter **Installation** menu, select Channel Scan and set **Tuner Power** "ON" and exit using **MENU** button. Next, using [Down]/[Up] buttons select **Auto Scan** to scan all available channels.

If your receiver still does not display channels, contact your local professional service or your seller.

Menu structure and functions description	
Menu/Submenu	Function
Edit Channel Channel List Delete All	In this menu You can manage channels lists. manage channel list delete all channels from all lists
Installation	In this menu You can scan channels and configure installation
Auto Scan Channel Scan	scan whole bandwidth to add channels to list scan single channel to add channels to list and activate tuner power
LCN	activate special channel sorting mode provided by your operator (LCN)
System Setup	In this menu you can set up receiver's user interface functions
Language TV System	change language for OSD, audio, EPG, TXT and subtitles change screen settings: resolution, 16:9/4:3, RGB/HDMI, digital audio output
Local Time Setting Timer Setting	change time settings: time zone, manually set time enables to plan events in future - record events on external usb drive or wake up receiver on specified channel
Parental Lock	lock acces to menu and specified channels (<u>default password is 0000</u>)
OSD Setting	change menu style, transparency and timeout, choose subtitles mode
Auto Standby	change automatic power down settings
Tools Information	In this menu you can manage receiver's software display information about receiver's software and hardware
Load Factory Settings	restore standard settings of all receiver's functions, delete old channels
Upgrade by RS232, USB, OTA	upgrade receiver's software using software archive stored on USB drive
USB Device Save to USB	view files and directories stored on USB drive save receiver's software on USB drive
Remove USB device safely	stop USB drive to remove ir safely
Game REC	In this menu you can find games In this menu you can manage timeshift function, recording and playing recorded movies
Record Manager USB Information HDD Format DVR Configuration Jump	view recorded videos display informations about connected USB drive format drive (erase all data) set up recording and timeshift functions define jump for player available under ◀/▶ buttons

Troubleshooting		
Troubles	Possible causes	Suggested solutions
No power	The power cord has not been well connected	Plug the power cord into the outlet tightly and turn on the power; if no power still, turn off the power again, and turn it on in 5-10 minutes
	The antenna is not adjusted well	Adjust the antenna
Cannot scan programs	Parameter input incorrectly	Input Satellite, Frequency, SR, Polarization parameters correctly
	Output cord is connected incorrectly	Connect the output cord correctly
No picture	The video output mode of the unit is different from the mode of monitor	Reset the working mode
	Output cord is connected incorrectly	Connect the output cord correctly
No color	The video output mode of the unit is different from the mode of monitor	Reset the working mode
	Batteries are connected incorrectly	Connect batteries correctly
Remote control fails to work	Batteries are exhausted	Replace batteries
	Beyond the effective operation range	Operate within normal range
	Remote sensor is poited to bright light	Place the unit elsewhere
Audio sounds and subtitles lnsuage are not the chosen items	The right language channel has not been chosen	Set the right language channel in the menu
	The unit is in mute status	Cancel the mute
No sound at all	Volume is set at too low level	Augment the volume
	Cable is connected incorrectly	Connect the cable correctly
Serious distortion or cannot receive signal normally	Too much interferential signal	Adjust the antenna

CAUTION:



Warning: Do not use this receiver where contact with or immersion in water is a possibility. Do not use near flower vase, washbowls, kitchen sinks, laundry tubs, swimming pools, etc.

Warning: Do not put the candle or lamp stand on the cabinet; otherwise, there is the danger of fire.

Warning: The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit. If you are not sure of the type of power supply (for example, 120 or 230 V) to your home, consult your local dealer or local power company.

Warning: This product install diodes. Do not open the cabinet or touch any parts in the inner mechanism. Consult your local dealer for technical service if the opening is required.

Note: To ensure proper use of this product, please read this User manual carefully and retain for further reference.

Note: This product install diodes. Do not open the cabinet to avoid the unit direct exposure to radiation.

Unit Cleaning: After the unit power is turned off, you can clean the cabinet, panel and remote control with a soft cloth lightly moistened with a mild detergent solution.

Attachments: Never add any attachments and/or equipment without the manufacturer consent; as such additions may result in the risk of fire, electric shock, or other personal injury.

Locating: Slots and openings in the cabinet are provided for ventilation to protect it from overheating. Do not block these openings or allow them to be blocked by placing the receiver on a bed, sofa, or other similar surface, nor should it be placed over a radiator or heat register.

Power-Cord Protection: Place the power-supply cord out of the way, where it will not be walked on. Please take special attentions to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Object and Liquid Entry: Never put objects of any kind into this receiver through openings, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill any liquid on the receiver.

Note: Moisture may be formed on the lens when the unit is suddenly moved from a cold environment or an air-condition room to a warm place or immediately after a heater has been turned on or in a steamy or very humid room. If the moisture forms inside the unit, it may not operate properly. To correct this problem, turn on the power and wait about two hours for the moisture to evaporate.

Parts Replacement: When the unit parts need to be replaced, user should make sure the service technician use the replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized replacement may put the unit in the risk of fire, electric shock or other hazards.

Safety Check: After all the maintenances and repairs are done, user is required to request the service technician to conduct the overall safety check to ensure the machine is in the proper condition.

Environment protection	
	Attention! Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products. Information on Disposal for Users (private households) in the European Union. Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.
Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one. *) Please contact your local authority for further details. If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.	
By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.	
Information on Disposal for Business Users In the European Union. If the product is used for business purposes and you want to discard It: Please contact your dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling Small products (and small amounts) might be taken back by your local collection facilities,	
In other Countries outside the EU. If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.	
Technical specification	
Input frequency range: 174-230, 470-862MHz Bandwidth: 7 or 8MHz Input signal level: -75 to -20dBm RF input connector: IEC169—2, Female RF Output connector: IEC169—2, Male Input impedance: 75Ω Waveform: COFDM Demodulation: QPSK, QAM16, QAM64 Code rate: 1/2,2/3,3/4,5/6,7/8 Video decoding: MPEG2 (MP@ML), MPEG 4 AVS/H.264 Video resolution: PAL 576i, 576p; NTSC 480i, 480p; 720p, 1080i, 1080p Audio decoding: ISO 11172-3, Dolby Digital Plus, E-AC-3 Audio track: Stereo, Left, Right Video/Audio connect: HDMI, SCART, SPDIF, audio minijack 3,5mm USB port: 5V, 300 mA (Max.) Rated voltage: ~230V, 50Hz Rated consumption: 6 W Standby consumption: < 0,8 W Temperature: 5-40°C Humidity: <95% Net weight: <0,75 kg (receiver) Packet measure.: 180mmx90mmx30mm (receiver)	
Weight and dimensions are not absolutely exact values. Specifications are subject to change (by manufacturer) without notice.	