



## Digital terrestrial receiver HD DVB-T2

**GS 240T2**

Cat. n. 14580384



# User manual

Please read this user manual thoroughly before setting up the receiver  
and follow all provided safety instructions.

**EN**

# Introduction

Dear customer,

thank you for purchasing GoSAT receiver and we hope you will be satisfied with it. Please read all information and instructions in this manual. Pay special attention to the information marked as "Warning" and "Please note". Store this manual in a dry and dark place for future reference.

Because we strive to constantly improve GoSAT products to ensure maximum user satisfaction, the physical parameters and functions, their names, or their logical location may change throughout the life span of the receiver, e.g. due to software updates. This may result in inconsistencies with the information provided in this printed manual. For this reason, the printed form of the manual is for reference only.

The manufacturer and importer of the GoSAT brand, TIPA s.r.o., reserves the right for changes and errors in the text and the stated parameters, as well as changing the information provided in this manual without prior notice.

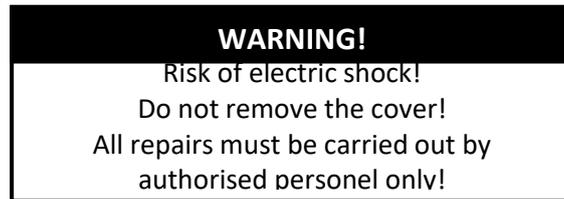
All current information about the receiver is available in the electronic version of this manual, located in the product card on the website [www.gosat.cz](http://www.gosat.cz) or [www.tipa.eu](http://www.tipa.eu).

Thank you for your understanding and we wish you a pleasant experience with the GoSAT receiver.

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# 1. Important safety instructions



## Warning!

Prior to first use of the receiver, please read all safety instructions and follow all instructions in this manual. Pay attention to all safety markings. The manufacturer, the importer, or the distributor shall not be liable for any damage or injury to health or property resulting from acting in violation of the instructions given here.

To prevent electric shock, never remove the protective covers from the receiver. There are no internal parts serviceable by the user. All repairs to the receiver must be carried out by an authorized service center or by a qualified person.

The exclamation point symbol alerts the user to important instructions for the operation or maintenance of the device.

Do not install the receiver into a confined space, such as shelves, racks, or cabinets, to ensure adequate airflow around the receiver. Never cover the ventilation openings of the receiver.

Do not install the receiver in places with high humidity, in places subjected to vibrations and shock, or in an area where electrostatic discharges or strong electromagnetic radiation occur. The receiver is only designed for indoor use with an operating temperature of 15-35°C.

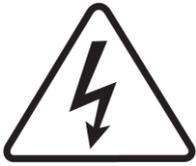
To reduce the risk of fire or electric shock, do not expose the receiver and its accessories to water or moisture. Do not place objects filled with liquids, such as vases or bottles, near the receiver.

Do not expose the receiver, accessories or batteries to sunlight, heat sources or fire. Protect them from mechanical damage. Secure the connecting cables against mechanical damage and free movement. Prevent sharp bends in the cables. Loose cables can cause people to trip over, resulting in personal injury or property damage.

Keep the receiver, including its components and accessories, out of the reach of children! Accessories and packaging material, in particular, contain small objects which, if swallowed or inhaled, can seriously endanger the health and life of the child or cause a death by suffocation!

Make sure that the receiver is not handled by children or persons unfamiliar with the safety instructions given here, or by persons otherwise unfit to operate the receiver without proper supervision.

## Warning!



If the receiver or its accessories have been exposed to water, moisture, heat sources, fire, mechanical or other damage, or adverse effects, avoid further use and unplug the receiver immediately! Prior to further use, the receiver, including accessories, must be inspected by an authorized service center or by a qualified person for safe use.

**Otherwise, use is strictly prohibited and there is a risk of death, electric shock, or other damages to health, property, or life!**

Only connect the power cord plug of the receiver to a 230V~AC socket standardized as type E / French type. If the plug cannot be plugged into your outlet, ask an electrician or other person with the appropriate qualifications and knowledge of legislative regulations and technical requirements to assess and replace the outlet.

Use only original accessories and components approved by the manufacturer for safe use with the receiver. If the original accessories are missing or show signs of damage, please contact your dealer or GoSAT technical support for replacement.

Unplug the receiver from the wall outlet, and disconnect the antenna cable from the receiver if there is an incoming thunderstorm, or if the receiver will not be used for a long time.

If the receiver was exposed to electrostatic discharge (close lightning strike to a power line or antenna), the receiver may malfunction. If the receiver does not work properly, unplug it from mains power supply for 1 minute and plug it in again. If the receiver still does not behave correctly, try performing a factory reset. If the receiver still does not work properly, please contact your dealer or an authorized GoSAT service center.

### Disposal instructions

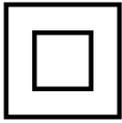


Do not dispose of the product at the end of its life cycle in unsorted municipal waste, use separate waste collection points. Dispose of used batteries in an environmentally friendly manner in accordance with the applicable legislation of your country. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about disposal and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

### Battery disposal



The batteries supplied with this product may contain chemicals that are harmful to the environment. Please return the used batteries to the appropriate collection point or dealer. Do not dispose of batteries in normal household waste. For more information, contact your local city office or the shop where you purchased the product or battery.



Equipment marked with this symbol complies with the double insulation standard (Class II). Dangerous voltage is thus fully isolated from parts accessible by the user. For this reason, the device does not require connection to a protective PE conductor (earthing). When repairing, it is necessary to use original spare parts to maintain this standard.

### Cleaning and maintenance

Always disconnect the receiver from the mains and disconnect all connected devices before cleaning and maintenance!

Remove dust and dirt from the receiver with a dry cloth.

Do not press on any cleaned surface. Take extra care.

Do not use water or any aggressive chemical cleaners.

## 2. Receiver description

### 2.1 Package contents

Prior to first installation and use of the receiver, please make sure that all the components listed below are included in the package, and that they are not damaged in any way. Otherwise, please contact your dealer.

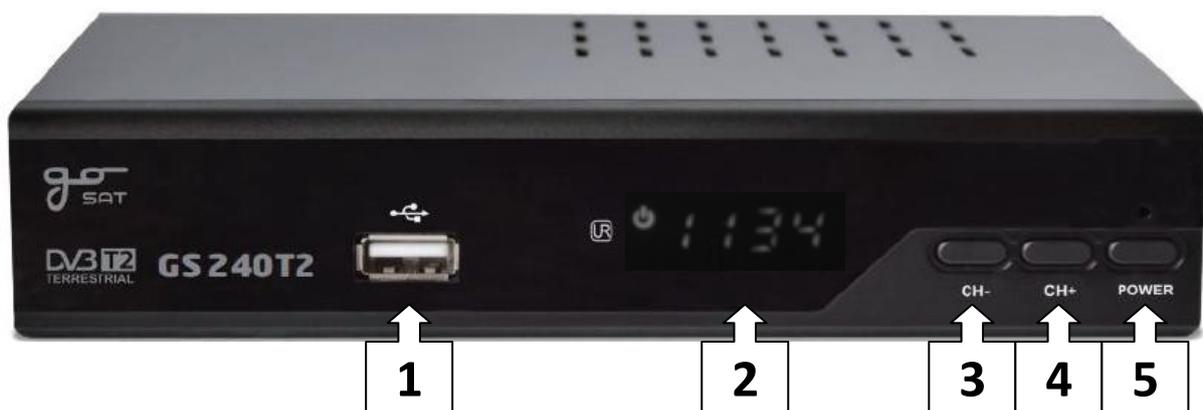
1x receiver GoSAT GS 240T2

1x user manual

1x remote control

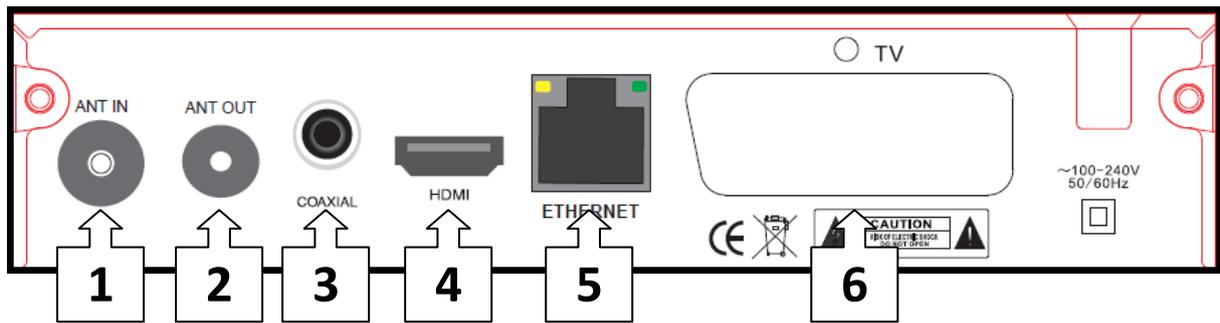
2x AAA batteries

### 2.2 Front panel



- 1) **USB 2.0 port:** for USB device connection
- 2) **LCD display:** displays channel number, or time during stand-by mode
- 3) **Channel -:** switches to a previous channel
- 4) **Channel +:** switches to a next channel
- 5) **POWER:** turns the receiver OFF or ON

## 2.3 Rear panel



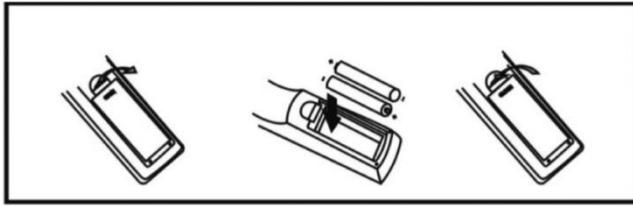
- 1) **Antenna input (IEC):** connection to a terrestrial antenna or cable TV
- 2) **Antenna output (IEC):** signal output for routing the antenna signal to another device
- 3) **S/PDIF (coaxial):** digital coaxial connection for audio devices
- 4) **HDMI connector:** connection for a display device, such as a TV set
- 5) **Ethernet port (RJ-45):** connection to a local area network / Internet
- 6) **Scart AV output:** analog audio/video output for older types of TV sets

## 2.4 Remote control functions



- POWER:** turns the receiver ON or OFF
- VOL+ / VOL- :** turns the TV volume up or down (if programmed)
- TV / AV:** changes TV input source (if programmed)
- SET:** engages remote control programming
- PVR:**
  - V-FORMAT:** changes HDMI output resolution
  - ASPECT:** changes aspect ratio of video output (16:9, 4:3 etc.)
  - TIMER:** opens the Timer dialogue window
    - ◀◀: Fast rewind during playback
    - ▶▶: Fast forward during playback
    - ▶||: Play / Pause / Timeshift
    - : Stops playback or recording
    - ◀◀◀: moves to the playback start
    - ▶▶▶: moves to the playback end
- SUB-T:** shows OSD subtitles for hearing impaired
- RECALL:** switches to the previously viewed channel
- EPG:** displays the Electronic Program Guide
- OK:** confirms selected function
- LEFT / RIGHT:** changes the receiver volume level
- UP / DOWN:** changes the viewed channel to the next / previous
- INFO:** displays information about the currently selected channel
- MENU:** displays the main receiver menu
- EXIT:** exits the current menu / function
- FAV:** shows the favorite channel group
- AUDIO:** selects the audio track
- TTX:** displays Teletext content
- PAGE +/-:** switches channel pages in the channel list
- 0 – 9:** numerical keys for entering a channel number / password / time
- TV/RADIO:** switches between TV and radio channels
- ✖MUTE:** completely turns off the audio

## 2.5 Remote control battery installation



Remove the battery compartment cover and insert two 1.5V AAA batteries. The correct polarity of the battery insertion is shown in the diagram inside the battery compartment.

## 2.6 Using the remote control

To use the remote control, point it at the front panel of the receiver.

The remote control has a range of up to 7 meters from the receiver at an angle of up to 60 degrees from the axis of the device.

The remote control will not work if the direction of the infrared radiation is blocked by an obstacle. Sunlight or very bright interior lighting may reduce the range of the remote control.

## 2.7 Remote control programming

1. Aim the GS 224T2 remote control against the front part of your TV remote control. The distance should not exceed 3 cm.
2. Press and hold the SET key on GS 240T2 remote control. The Power ON / OFF key will start glow with a dim red light. Once this key lights up with a brighter red light, you can release the SET key.
3. Press a desired key on the GS 240T2 remote that you would like to program. The Power ON / OFF key will start to flash slowly.
4. Press and hold the corresponding key of your TV remote control that you would like to assign to the selected GS 240T2 remote key. The Power ON / OFF key on the GS 240T2 remote should start to flash rapidly for a few seconds and then it will light up constantly without flashing. The selected key is now programmed.
5. Choose another key for programming, or press the SET key to exit the programming mode.

### **Please note!**

If you need to program more keys on the GS 240T2 remote control, it is necessary to reprogram each key from the beginning.

If the Power ON / OFF key does not start to flash rapidly during programming, the GS 240T2 remote control is unable to read the TV remote control instructions correctly. In such case please hold the desired key on the TV remote control and try to place it closer or further from the GS 240T2 remote control, or aim it towards the GS 240T2 remote control at a slight angle. Alternatively please try to lower the light in your room as it might intervene with both remote control IR beams.

Some TV remote controls use specific IR instructions. Due to the constant change of TV models available on the market it is unfortunately not possible to guarantee a flawless programming compatibility with each and every TV remote control, even if the programming procedure was

performed correctly. Certain TV remote controls are not compatible with programmable remote controls. This is not considered as a manufacturing fault, or defect.

## 3. Setting up the receiver

### 3.1 Installation

Before installation, please make sure that both the receiver and the TV are fully disconnected from the AC mains power supply. Follow all safety instructions in chapter **1. Important safety instructions.**

- 1) Unpack the receiver and check the package contents for damaged or missing items
- 2) Connect the relevant devices to the receiver (Ethernet LAN, antenna cable, audio system)
- 3) Connect the receiver and TV set via a HDMI or AV cable
- 5) Plug the TV and the receiver's power cable to the AC mains power supply
- 6) Power on the TV and select the correct chosen input (HDMI or AV)

If you use the receiver for the first time, or if you have performed a factory reset, the first installation OSD menu should appear on the TV screen. If there is no picture on the TV, or the TV displays “No signal” message, it is necessary to select the correct input source on the TV, dependent on the selected connection method (HDMI, AV, or SCART). Please follow the instructions provided by your TV manufacturer.

### 3.2 First start

When you start the receiver for the first time, a first installation guide menu will appear on the screen. Here you can adjust basic settings of the receiver.

- change the settings by pressing the LEFT / RIGHT directional keys
- move between lines by pressing the UP / DOWN directional keys

**First setup involves these steps:**

1. Select OSD menu language
2. Select your country
3. Select service type (FTA only, all channels)
4. Select search mode (DVB-T2 or DVB-C)
5. Select antenna power ON or OFF
6. Choose “Search channels” to start an automatic search. If you want to search channels manually, press EXIT and then navigate to manual search. See chapter **4.3 Search** for more info.

**Warning! Only turn the antenna power ON if the antenna installation contains a device powered by 5V DC current from the receiver. Otherwise the antenna power might create a short circuit!**

### 3.3 Basic receiver operation

Here is a brief overview of the basic receiver functions. These functions are only applicable when no menu of the receiver is active or opened. For a more detailed overview

**OK:** shows channel list

**UP / DOWN:** switches to the next / previous channel

**LEFT / RIGHT:** adjusts the volume

**Numerical keys:** selects a channel via its number

**TV/Radio:** switches between a TV / Radio channel list

**🔊MUTE:** completely mutes the audio

**MENU:** opens the App main menu

**EPG:** opens the Electronic Program Guide

**INFO:** displays the info bar, pressing it repeatedly displays channel signal info

**● REC:** starts manual recording onto the connected USB device

**■ STOP:** stops recording

**SUB:** displays the subtitle option

**TTX:** displays teletext

**When the channel list is displayed via the OK key:**

**UP / DOWN:** moves the channel selection cursor

**LEFT / RIGHT:** cycles through channel groups

**OK:** switches to the selected channel

**GREEN key:** displays a window for channel name search

**YELLOW key:** opens the channel editing menu

### 3.4 Channel list management

To edit the channel list order or to add channels to Favorite groups, press MENU and navigate to Program, then select Channel edit. This feature enables you to change channel name, position, FAV groups or to delete channels. For more info see chapter **4.1.1. Channel edit**

### 3.5 Manual PVR recording

To successfully record the ongoing broadcast channel, first connect a compatible USB memory device, such as a portable hard disk, or a Flash drive. Please wait until the receiver initializes the device. Once a device is properly recognized the receiver will show a relevant USB icon on the screen.

Press the **● REC** key to start a PVR recording on the currently viewed channel.

Press the **■ STOP** key to end the PVR recording.

All PVR recordings are available in the **Menu / USB / PVR Media**.

## 3.6 EPG

Electronic Program Guide displays information about planned broadcast on different channels up to 7 days in advance (if available). If you press EPG button, a daily EPG mode will appear. You can change the preferred program in the left screen section by pressing UP / DOWN.

In the right section of the screen you can see the day, hour and name of the current or upcoming broadcast on the selected channel. You can display detailed information about the individual broadcast by selecting it with the cursor and pressing the OK key. Pressing the RED key on the remote control will set a Play or Record event of the selected broadcast via the Timer function. YELLOW key will switch the viewed broadcast chart to the next day, GREEN key will switch the chart to a previous day.

## 3.7 Teletext

By pressing the TXT key a teletext content of the current viewed channel will appear. The page can be changed by entering the relevant page number via numerical keys on the remote control. UP / DOWN key will change the page by one, LEFT / RIGHT will change the sub-page.

Note: it might be necessary to wait a while for the sub-pages to load

# 4. Main menu overview

## 4.1 Program

**Channel edit:** this menu allows you to edit the channel list. Press directional keys LEFT / RIGHT to select channel type. Press numerical keys 1-5 to activate the desired operation mode. Press the corresponding numerical key again to deactivate the selected mode. If no mode is selected, press the GREEN key to rename the selected channel.

1 – Delete: when this mode is activated, press OK button to mark/cancel a selected channel for deletion. Press the RED key to mark all channels in the list for deletion. Marked channels will be removed from the list upon exiting the channel list menu (if changes are saved).

2 – Move: when activated, press OK key to select a channel. Press the UP / DOWN directional keys to move the channel to a different position and press OK to place the channel. To move larger channel groups, press the GREEN key to select multiple channels and press OK key to place the channels below the selected position.

3 – Skip: when activated, press OK key to mark the selected channel to be skipped. Press the RED key to mark/cancel all channels for skipping. Channels marked as skipped will be hidden in the channel list, but they will not be deleted.

4 – Lock: when activated, you must first enter the correct password. A default password is set to 000000 unless changed. Press OK to lock the selected channel, or press the RED key to lock all channels. A locked channel will require entering a correct password to be viewed.

5 – Fav: when activated, press OK to add a channel to the Fav channel group, or press OK again to

remove a channel from the Fav group.

### **Program guide**

Displays the Electronic Program Guide. This function is described above in the chapter **3.6 EPG**.

**Sort:** selection of how channels are automatically sorted in the channel list (by LCN, by ONID, by TP, by service ID, by service name)

**LCN:** logical channel numbering according to the provider (On / Off).

**Note: the LCN function may not work properly on some DVB-T2 broadcast architectures**

**Volume adjustment:** option to adjust volume on each channel individually, or for all channels simultaneously

## **4.2 Picture**

**Aspect ratio:** adjustment of the screen aspect ratio (Auto, 4:3, 16:9)

**Resolution:** adjustment of the HDMI output resolution format (576i, 576p, 720p, 1080i, 1080p)

**TV format:** adjustment of the TV format norm (PAL, NTSC)

**TV Scart:** adjustment of AV Scart video output format (CVBC, RGB)

### **OSD settings**

Transparency: sets how transparent the OSD menu is (0% to 60%)

Brightness: sets the OSD menu brightness (20% to 100%)

Chroma: sets the OSD menu colour saturation (20% to 100%)

Contrast: sets the OSD menu contrast value (20% to 100%)

OSD timeout: sets how long will be OSD menu visible (3s, 5s, 8s)

### **Panel settings**

LED brightness: adjustment of the front LED display brightness (low, middle, full)

LED display: selection of the front LED information type (time, channel number)

Standby show time: option to display time during standby mode (On / Off)

## **4.3 Search**

**Search mode:** selects the tuner mode for channel search (DVB-T2 / DVB-C)

**FTA only:** option to search all channels, or only Free To Air channels

**Auto search:** will perform an automatic search of all available frequencies. The process can be canceled by pressing the EXIT key.

**Manual search:** will search only one selected channel at a time. The frequency and bandwidth can be adjusted independently on the current channel preset.

**Country:** selects the country for regional settings, e.g. time zone

**Antenna power:** turns the 5V DC power ON or OFF.

### **Note!**

**Only turn the antenna power on if there is an antenna element requiring power from the receiver. Otherwise a short circuit might occur in the antenna installation!**

## 4.4 Time

### Region and time

Time offset: option to select an automatic time offset based on the selected country, or a manual offset setting

Time zone: sets the GMT offset value if the manual time offset is selected

Summer time: toggles the summer time OFF or ON (advancement by 1 hour)

Current time: shows the current set time

**Sleep (HOUR)**: sets the inactivity time after which the receiver will enter a sleep mode

**Timer setting**: enables to add a new timer event or to manage existing events. The following options are available:

RED key (Delete): deletes a selected event

GREEN key (Add): adds a new timer event with the following parameters

- Mode: sets the event mode to view a broadcast relation (Play) or to record a relation (PVR)
- Type: sets the time continuity of the event (Once, daily, or at a given week day)
- Start time: sets the time of the event start
- Duration: sets the event duration
- Channel: sets the channel for which the event will be applied

YELLOW key (Edit): option to modify the parameters of an existing event

BLUE key (Delete all): will delete all events in the timer

### Power On/Off:

Power on: when enabled, enter a time when the receiver should power on automatically

Power off: when enabled, enter a time when the receiver should turn off automatically

## 4.5 Options

**OSD language**: option to select OSD menu language

**EPG language**: option to select EPG menu language

**Subtitle language**: selection of subtitle language

**HOH subtitles**: selection of hard hearing subtitle language

**TTX language**: selection of teletext language

**First audio language**: selection of first audio language (if available)

**Second audio language**: selection of second audio language (if available)

**Digital audio**: selection of a digital audio format (PCM, Auto, Bypass)

## 4.6 System

**Parental guidance:** to access the sub-menu, enter the default password 000000. The viewer age limit can be then adjusted from 4 to 18 years, or switched off.

**Lock control:** to access the sub-menu, enter the default password 000000.

Menu lock: will lock the menu against unauthorized access. All locked system parts are accessible after a correct password is entered. Please note that not all system menu parts are locked.

Channel lock: when turned on, all channels marked as locked will require entering a correct password to be viewed.

Change password: option to change the default system password. First enter the old password, then enter the new desired password and enter the new once again for confirmation.

### Note!

**If you change the default system password, make sure to remember the password or write it down. Otherwise the receiver will stay locked and it would be necessary to contact your dealer or authorized service centre to solve the issue.**

**Factory reset:** will reset the receiver into factory default values. All channels and user preferences will be deleted! To activate the reset function, enter the correct set password.

**System information:** displays various system information, such as the software and hardware version

**Software upgrade:** option to update the system software onto a new version, or to create a data backup. After entering the sub-menu, the following options are available:

Upgrade type: choose the operation type. "USB upgrade" will update the system software, "Dump" will create a system backup onto the connected USB device.

Section: if USB upgrade is selected, this option selects the system section for update. "App" will only update internet Apps, "User" will only update user preferences and channel list. For a complete software update it is strongly recommended to select "All".

File path: option to select the update file directory on the connected USB device

Start: will perform the selected operation by pressing the OK button

### Network setting

Device: information about the internet connection type

Mode: sets the internet connection ON or OFF

Type: sets the automatic IP address via DHCP protocol, or a static IP address

Save: saves the current internet connection settings

### Power on control

Sets the power on behavior of the receiver. The following options are available:

Power on – the receiver will power on completely

Standby – the receiver will power on only to a standby mode

Last state – the receiver will power on to the last state in which it was powered off

## 4.7 USB

### Media centre

With Media centre you can easily browse and view multimedia files on the connected USB drive, such as video files, music or pictures. Select your preferred category and press OK to view a file. Files can be played in a loop by pressing the Play button; the duration can be adjusted via the settings button (gear wheel).

### Please note!

The manufacturer cannot guarantee a full support of each USB memory device available on the market, as it is not possible to test each and every USB device. The manufacturer is not responsible for the loss of data or malfunction of the connected USB memory device. Larger files might take longer to load. Some USB memory devices might not be correctly recognized by the set-top box. Some files might fail to open. This mainly depends on the codec used during the audio / video file rendering.

### PVR media

This menu shows all PVR recording files on a connected USB device. The following options are available:

OK (Play) – the selected file will be played

RED key (Delete) – deletes the selected file

BLUE key (Delete all) – deletes all PVR files on the connected USB device

### PVR management

This menu enables the user to adjust the PVR recording behavior. The following options are available:

Timeshift: enables or disables the Timeshift function

Record duration: sets the maximal duration of a PVR recording session

Section record: when enabled, the current record file will be overwritten from the start if there is not enough space on the USB device

Disk information: press OK to view detailed disk information

### Internet

This feature launches a menu for selecting OTT internet Apps, such as a simple Youtube browser or IPTV channel manager.

## 5. Troubleshooting



**Warning! If the steps below do not solve the problem, do not attempt to repair the receiver yourself! Repairs may only be carried out by an authorized service center or a qualified person. Other actions are in conflict with the warranty conditions! There is a dangerous voltage under the cover of the receiver, which may cause an electric shock, personal injury, or death to an unfamiliar person.**

**Improper handling of the receiver also poses a risk of fire or other property damage, and the use of the receiver is not safe!**

Contact your dealer regarding service repair options, or contact Típa s.r.o., or seek information at [www.gosat.cz](http://www.gosat.cz).

Problem	Possible cause	Solution
No picture	No power	Plug the STB into the electrical wall outlet
	The STB is turned off	Turn the STB on via the POWER key
Žádný signál	Antenna cable is not connected	Check the connection of the antenna cable
	Faulty antenna installation	Antenna technician should inspect the installation
	Invalid STB setting	Reset the STB and perform a new channel search
	Antenna power is OFF	If the antenna installation contains an element powered by the receiver, turn ON the Antenna power
No audio	Faulty cable connection	Check the cable connection / try a different cable
	MUTE function is ON	Turn off the MUTE function on the STB and TV
	Insufficient volume level	Turn up the volume level on the STB and TV
	Incorrect audio selection	Select the correct audio track
No picture, only sound	No AV / Incorrect AV connection	Check the AV connection
	Radio channel selected	Switch to a TV channel
Remote control does not work	Discharged batteries	Replace the batteries
	The remote is too far, or out of range	Try a different position when using the remote control
	Excessive ambient room light	Try to block off direct sunlight / dim the interior lights
The picture stops or makes visual artifacts	A weak antenna signal, an interference, or high error rate occurs	The antenna should be inspected by a technician
	The STB is overheated	Turn OFF the STB and let it cool down for 1 hour
No Internet connection or low connection speed	Invalid configuration	Check the network and DHCP protocol configuration
	Faulty network cable	Check all network elements and cables
	The network is overloaded	Try to connect to another network or wait until other devices will stop using the network

#### Notice about Internet application features

Third-party Internet applications, their content, functionality, and availability may change as part of individual software updates, or may not be available if there is a sudden change in content or parameters from their provider. The receiver cannot process all Internet content, such as some Youtube videos. Neither the manufacturer nor the retailer is responsible for the full functionality and availability of Internet applications.

## 6. Technical specification

Parallel flash NAND bootloader  
Programmable remote control  
European language localization  
PVR recording, Timeshift, EPG, Teletext, Timer  
USB media playback, Youtube and IPTV

Tuner input frequency:	115 - 870 MHz
Input RF level:	-78 up to -20 dBm
Modulation:	OFMD, 16QAM, 32QAM, 64QAM
System memory:	64 MB
Video decoding:	MPEG-1/2/4, H.264 AVC, H.265 HEVC
Audio decoding:	HE-AAC, MP3, AC-3 (Dolby Digital), MPEG-1 audio layer
Output video format:	480p, 480i, 576i, 576p, 720p, 1080i, 1080p
Connection:	1x HDMI 1.4b, 1x USB 2.0, 1x SCART, 1x S/PDIF coax. 1x IEC female input, 1x IEC male output, 1x RJ-45 Ethernet LAN
Supported USB file type:	NTFS, FAT32, FAT16
Input voltage:	100-240V~AC 50/60 Hz
Power:	10W max.
Standby power:	< 1W
Dimensions:	168 x 108 x 36 mm
Protection rating:	IP20 (indoor use only)

## EU declaration of conformity (ES)

The manufacturer

**TIPA spol. s.r.o., Sadová 2749/42, 746 01 Opava, Czech republic**

declares that the product is in full conformity with the relevant EU Community harmonization legislation and regulations: 2014/53/EU, 2011/65/EU, 2009/125/EC including all amendments and subsequent legislation.

Full version of the EU declaration of conformity is available on the webpage [www.tipa.eu](http://www.tipa.eu), or [www.gosat.cz](http://www.gosat.cz) in the relevant product card.



## 7. Warranty conditions

The seller provides the buyer with a statutory general warranty period of 24 months from the date of receipt of the product by the buyer. The warranty only applies to new, unpacked and unused product. The buyer can file a product complaint with the seller, or with Tipa s.r.o., which provides authorized GoSAT service. The buyer is obliged to file a complaint without undue delay during the warranty period. During the complaint procedure, the buyer is obliged to provide the necessary cooperation, in particular the provision of the purchase document for inspection, and the information necessary to determine the existence of defects and their subsequent assessment. In the case of a justified complaint, the warranty period is extended by the total duration of the complaint procedure, i.e. from the moment of the complaint to the moment when the buyer is obliged to take over the goods or when the takeover took place.

**The warranty cannot be claimed:**

- if the product was sold with a defect due to which the selling price was reduced
- for wear and damage caused by normal use of the product
- in cases where the product defect was caused by improper installation or failure to follow procedures specified in this manual, or when the product has been used for a purpose other than that for which it is intended
- in case of damage to the product by external influences, such as natural disaster, force majeure, exposure to electromagnetic radiation, exposure to liquids, exposure to mechanical damage and other adverse effects
- for defects caused by connecting other devices
- for defects caused by tampering with the operating system and software of the receiver
- for the consequences of unprofessional intervention in the product by a person without the appropriate qualifications and authorization of an authorized service
- if the data provided by the buyer differs from the data stated on the product (serial number, type and designation)

The full text of the business and warranty conditions, including other sources of relevant information, is available on the website [www.tipa.eu](http://www.tipa.eu).

**Address of the manufacturer and provider of the authorized GoSAT brand service:**

Tipa, spol. s r.o.  
Sadová 2749/42  
746 01 Opava  
Czech republic

Tel.: +420 553 759 096, +420 553 624 404  
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