

# TESLA

## TESLA HYbbRID TV T200

HEVC DIGITAL TERRESTRIAL RECEIVER  
BROADCASTING WITH HBBTV SUPPORT

### User Manual EN







**Read this manual carefully before use.**

Technical specifications and operating procedures in this manual subject to change without notice.  
If you have any questions during the period of use, contact the manufacturer.



**Dear customer,**

Thank you for purchasing a TESLA product.

Please read this manual carefully before first use. He will be a good guide for you when familiarizing yourself with your new device.

We hope that the TESLA HYbbRID TV T200 will be a pleasant companion for you.

The data and advice used in this manual may be subject to future changes and improvements and are valid until the release of its first version, as of December 2020.

Thank you for your understanding.

## 1. PARAMETERS

- Full HD terrestrial receiver H.265/HEVC, DVB-T/T2
- Full support for MPEG2/MPEG4, Dolby Digital
- HbbTV support - red button function
- Developed for CZ and SK

CZ/SK

HbbTV<sup>®</sup>

Dolby  
AUDIO

HDMI<sup>™</sup>  
HIGH DEFINITION MULTIMEDIA INTERFACE

USB<sup>®</sup>

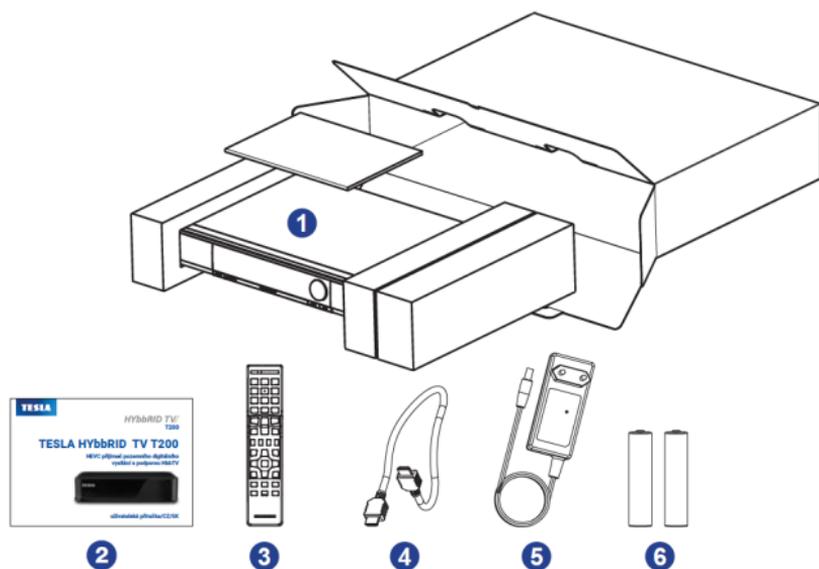


DVB T2

H.265  
HEVC  
High Efficiency Video Coding

## 2. PACKAGE CONTENTS

1. Device
2. User manual
3. Remote control unit
4. HDMI cable
5. Power supply 12V/1.5A
6. 2x AAA 1.5V Batteries



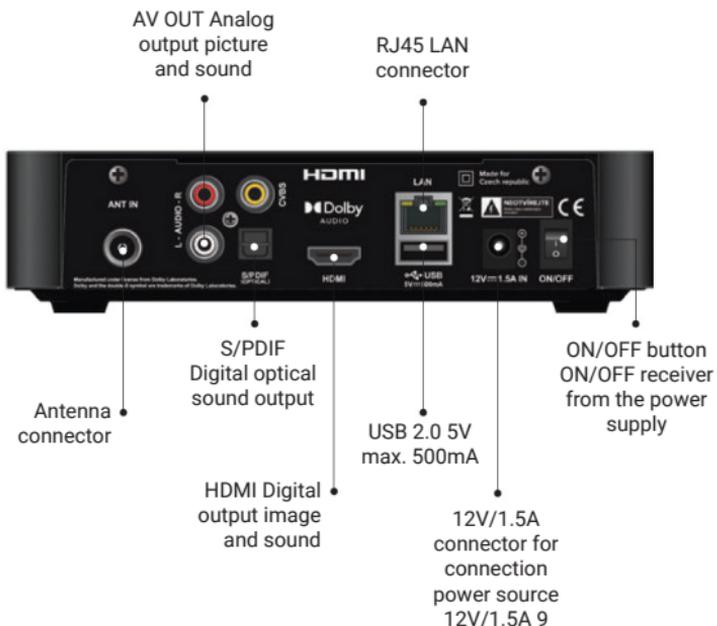
## 3. PRODUCT DESCRIPTION

### FRONT PANEL



ON/OFF button receiver  
from/to standby mode

### REAR PANEL



## 4. REMOTE CONTROL UNIT

### 2.3 REMOTE CONTROL

1. **Power supply:** Switch the receiver between operating and standby mode.
2. **TV/RADIO:** Switches between the list of TV and Radio stations display.
3. **MUTE:** Muting the sound.
4. **NUMERIC BUTTONS (0 ~ 9):** Enter TV number / radio station, or menu option number.
5. **OPT:** Quick access to the settings of some menu items.
6. **TEXT:** Switch on teletext.
7. **MEDIA:** Direct access to the USB disk structure.
8. **GUIDE:** Displays the program guide.
9. **◀ ▶ ▲ ▼ Navigation buttons:** Used to scroll through the receiver's menu.
10. **EXIT:** Exit or leave the menu.
11. **MENU:** Displays the receiver menu.
12. **BACK:** Select back in the receiver menu.
13. **i:** Displays information about the broadcast program.
14. **AUDIO:** Choice of language mutation and program track.
15. **SUB-T:** Subtitle display option.
16. **V +/-:** Volume change.
17. **P ▲/▼:** Change station.
18. **●** Record of the show
19. **||** Pause
20. **■** Stops recording and playback.
21. **◀◀** Fast reverse.
22. **▶** Play.
23. **▶▶** Fast forward.
24. **■** Stops recording and playback.
25. **◀◀|** Skip reverse.
26. **▶▶|** Skip forward.
27. **SLEEP:** Sleep timer, select the time and press OK



## 5. INSTALLATION

### INSTALLATION OF THE RECEIVER

After connecting the receiver for the first time and selecting the correct AV input on your TV, the receiver's first welcome menu will be available – Installation of the receiver. To change parameters, use the navigation buttons in the middle of the remote control. See help at the bottom of the screen.

#### Select the following parameters one by one:

1. Language of the receiver
2. Country – select the country of use
3. 5V power supply for antenna amplifiers (active antennas with amplifier)
4. Image resolution on the HDMI connector - select according to the resolution of the connected TV
5. Image format – aspect ratio of the image

Then press tl. OK on "Continue". The receiver will enter the station search menu. Make sure you have connected antenna. Press the red button on the remote control to start searching for stations from all channels. If you wish to search for stations only from selected channels, then move the cursor to the desired channel (frequency) in the list and press tl. OK. This will make a mark in the left column. Then press the green button on the controller for start searching. After the search is complete, press tl. OK on the "Save" field, or you can choose a new one.

Search in the "New Search" field.

### THE MAIN MENU OF THE RECEIVER

The main menu is available after pressing tl. MENU on the remote control and contains the following items:

- Installation**
- Favourite**
- System**
- Recording**
- Information**

## 6. INSTALLATION

### 6.1 TUNING STATIONS

Here you can start searching for stations as described above in the "Installation of the receiver" section.

### 6.2 SOFTWARE UPDATE

here you can update the firmware of the receiver from a USB disk. Connect the formatted USB drive to FAT 32 with the appropriate sw. Then press OK on the controller to start searching.

### 6.3 FACTORY SETTINGS

Here you can return all parameters and settings of the receiver to the factory values. After pressing the OK, enter the numeric password of the receiver. Factory preset to 0000. Subsequently, the list of stations will be deleted and all receiver settings.

## 7. FAVORITES

The receiver allows you to create your favorite station lists from the main list.

### 7.1 CREATION OF FAVORITE LISTS

Offers the following options:

**7.1.1 Rename** – you can rename the name of a group of favorite stations on the virtual keyboard. Enter a name and press the blue button to save.

**7.1.2 Stations** – from the list of all stations, mark the station you want to add to the favorite list with the OK button.

A heart symbol will appear for selected stations. End the selection by pressing the EXIT button. To display only the list of favorite stations, press **tl** while watching. OK. Then left navigation button, this will show the menu to select the total list of TV stations, the total list of Radio stations and the list favorite stations. Use the navigation buttons on the controller to select the Favorite list and press the button. OK.

**7.1.3 Delete**

**7.1.4 Sort**

### 7.2 EDIT THE LIST OF FAVORITE STATIONS

This menu offers the possibility to edit favorite station lists. Select the station list you want to edit and press right navigation button. This will reveal the option to edit the selected list. The following options are available:

- **Rename**
- **List of stations**
- **Remove**
- **Sort** – here you can move stations and change the order in the favorite list

## 8. SYSTEM

### 8.1 LANGUAGE

**8.1.1 Receiver language** – Select your preferred receiver language.

**8.1.2 Preferred audio** – Select your preferred language for the accompanying audio.

**8.1.3 Secondary sound** – Select a second sound in case the preferred sound is not available.

**8.1.4 Preferred subtitles** – Here you can activate the display of subtitles. Subtitles will only be displayed if they are available on air.

### 8.2 IMAGE

**8.2.1 Aspect ratio** – Select the aspect ratio of the TV.

**8.2.2 Picture format** – select the picture adjustment according to the TV format and personal preferences.

**8.2.3 HDMI image resolution** – Select the HDMI image resolution according to the needs of the connected TV.

**8.2.4 5V power supply for the amplifier** – here you can activate the 5V power supply on the antenna connector for room needs antennas with their own amplifier.

**8.2.5 HDMI CEC** – serves for simultaneously turning on or off the TV together with the receiver. For proper function it is necessary that the CEC function was also supported by the connected TV. The functionality of CEC cannot be guaranteed in any way due to its open standard.

**8.2.6 HDCP** – here you can disable copy protection on the output HDMI connector.

### 8.3 SOUND

**8.3.1 HDMI Audio** – here you can select the type of digital audio signal according to the connected TV or AV receiver on the HDMI connector.

**8.3.2 SPDIF Audio** – here you can select the type of digital audio signal according to the connected AV receiver or home cinemas on the optical SPDIF connector.

## 8. SYSTEM

### 8.4 OSD

**8.4.1** Info line display time.

**8.4.2** Automatic Standby. It is the time after which the receiver switches to the standby state during which was not controlled in any way.

**8.4.3** Delay for starting Eco mode. The time during which the receiver goes into power saving mode after switching off.

### 8.5 PARENTAL CONTROLS

**8.5.1** Changing the PIN code. Here you can change the PIN code of the receiver, which is factory preset to 0000. First enter the current PIN code and on the next lines enter the new PIN code and confirm once more to save.

**8.5.2** Setting the minimum age. Here you can set the age limit for program accessibility. In the event that it will program rated by the broadcaster for a higher age than the one set here, the receiver will require the receiver's password to be entered.

**8.5.3** Setting the menu lock. Here you can activate the necessity to enter the PIN code of the receiver when requested to enter receiver menu (Hotel mode).

### 8.6 SETTING THE TIME

**8.6.1** Time Zone. The receiver sets its time from the broadcast. In case of use in a different time zone you have here the possibility to adjust the time zone and thus the receiver's own time.

### 8.7 NETWORK - INTERNET SETTINGS

**8.7.1** Mode - Auto. In this case, the receiver sets the DHCP address itself.

**8.7.2** Mode – Manual. In this case, you can set the parameters of the Internet connection manually According to personal preferences or router requirements. Enter the IP address, subnet mask, Gateway and DNS1-2 parameters.

## 9. RECORDING

### 9.1 RECORDING

**9.1.1 Time shift** – Here you can activate the time shift function (Timeshift) on the USB device.

**9.1.2 Add before** – Here it is possible to set an earlier start of recording by 5–15 minutes before it is selected in the timer.

**9.1.3 Add after** – Here it is possible to set the extension of the recording by 5–15 minutes before it is selected in the timer.

**9.1.4 Local Storage** – After connecting a storage device, the following menu will be displayed:

Eject - Used to safely disconnect the USB device from the receiver.

Set as storage for recording. To record programs, the receiver requires the USB device to be formatted to the file system used by this box. Formatting completely erases the contents of the disk and prepares it for the needs of recording programs - recording!

Details - Displays information about the connected USB device.

#### Notice

To update the software from a USB drive, you must use a FAT32 formatted USB drive.

## 10. INFORMATION

### 10.1 SYSTEM INFORMATION

**Systémové informace** – Here the receiver will display technical information about the receiver.

### 10.2 PRACTICAL INFORMATION ON THE HBBTV FUNCTION (RED BUTTON)

For proper operation, it is necessary to successfully connect the receiver to the Internet. Connect the LAN cable between the router and this receiver (RJ45 connector). The LAN cable is not included in the package.

Next, make the correct connection to the Internet in the System/Network Settings menu see point 3.7. Please note that the availability of the HbbTV application is subject to the decision of the broadcaster and the current ones conditions.

For this reason, error-free operation of all application features cannot be guaranteed. Receiver in basic specifications meet HbbTV version 1.5 and relevant codecs at the time of market launch (December 2020). If the receiver is successful connected to the Internet and the selected station broadcasts HbbTV, then after selecting this station it will be in the lower right for a few seconds graphic icon symbolizing the availability of HbbTV available in the corner.

Press the red button on the remote to start HbbTV and wait for the application to start. The control of the application is given by the operator and is interactively displayed in the graphics itself application. You can close the application again by pressing the red button.

# WARRANTY CONDITIONS

## 1. WARRANTY PERIOD

The manufacturer provides a warranty for this product for a period of 24 months from the date of purchase of the product by the consumer. The warranty period is extended by the time during which the product was under warranty repair. Warranty only applies to defects caused by a manufacturing error or material defect!

## 2. WARRANTY CARD

Free warranty service is provided only if you present proof of purchase of the product (receipt) and a correctly completed warranty card - it must include the serial number, date of sale and stamp of the store (assembly company). Copies and incorrectly filled out warranty cards will not be taken into account!

## 3. REPAIRS IN WARRANTY AND POST - WARRANTY PERIOD

Warranty service must be claimed from the organization where the product was purchased or from the assembly company that performed the installation.

## 4. SCOPE OF THE WARRANTY

The warranty is void if the defect is caused by mechanical damage, misuse, inattention, unavoidable event (natural disaster), if the product was connected to a supply voltage other than that specified in the technical specifications, and also in case of modifications or repairs performed outside the distributor's service. Nor can the guarantee be invoked where the consumer requires modification or adaptation to extend the functionality of the product (or a system composed of several components) compared to the standard design.

*Inter-sat LTD., as the manufacturer of this device, declares that the type of radio equipment TESLA HYbbRID TV T-200 complies with Directive 2014/53 / EU. The full text of the EU declaration of conformity is available on the website <https://www.tesla-electronics.eu/>*

---

Serial number

---

Date of sale

---

Seller's stamp and signature

---

Date of notification

---

Date of implementation

---

Mounting no. letter/comment

---

Signature

Registration of warranty repairs:

---

---

---



The logo consists of the word "TESLA" in a bold, white, sans-serif font, centered within a solid blue rectangular background.

**TESLA**

Thank's for your choice.

[www.tesla-electronics.eu](http://www.tesla-electronics.eu)