



TS6810 **T2** Stealth

HD H.265 Digital Terrestrial Receiver
USB Video Recorder & Media Player

User Manual

Dear Guest,

Thank you for choosing the digital terrestrial receiver **TELE System** model **TS6810 T2 STEALTH**.

This guide provides information on the operation of the equipment, connections, commands, and care of the device, through which you can deepen your understanding of your new receiver.

To make consultation easier, the manual has been divided into several sections:

1. The first section regards the installation of the receiver, connecting your receiver to other devices and functions of the remote control.
2. The second section deals with the ease of use. In this area, you will find the key information necessary for everyday use.
3. The third section is dedicated to an advanced use, customizations, and more complex features.

WARNING

The use of the receiver, albeit simple, requires knowledge of the basic information contained in this guide. Therefore, carefully read this manual in order to use this device in an optimal way, avoiding problems or malfunctions.

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1 Installation Section

1.1 Safety and disposal standards

For a safe use of the appliance and for your own safety, please read the following recommendation concerning the safety measures.

POWER SUPPLY

- Use the supplied power supply unit and connect the device exclusively to a 230V~ 50Hz mains socket.
- Do not remove the cover. Voltages higher than the power source may be present inside the unit and may endanger your safety. High tension is present even when the appliance is in standby mode, and before working on the receiver you must disconnect it from the mains. Non-authorized removal will void the warranty!

POWER CORD

- Before installing the unit, check that the power wire is intact paying particular attention to the point where it enters the power outlet and the point where it comes out of the receiver. If the cable is damaged, do not plug it into the device and contact a local service center.
- Install the power cord so as not to crush it with objects placed on top or next to it. Also avoid positioning the cord near areas where it could be accidentally stepped on, torn, or otherwise damaged.
- If the cable is damaged in any way, carefully disconnect the receiver from the power supply and contact a specialist or a Service Centre for repair.

LIQUIDS

- Keep the product away from any kind of liquid. Do not place objects filled with fluids such as vases, humidifiers and the likes on the device which should not be installed in places where it may come in contact with sprays or drops of water or in environments with high humidity where condensation may occur.
- Should the receiver accidentally come in contact with any liquid, immediately remove the plug from the socket. DO NOT TOUCH the device with your hands before it has been disconnected.

SMALL ITEMS

- Keep coins or other small items away from the receiver. Objects that fall within the device, through the slits or air vents, may cause serious damage.

CLEANING

- Prior to cleaning, disconnect the device from the power outlet.
- To clean the outside of the receiver, use a soft, dry, or slightly moistened cloth. Avoid using chemicals or solvents.

VENTILATION

- Wherever the device is installed, make sure there is good air circulation to ensure sufficient heat dissipation and to avoid overheating.
- A minimum distance of 10cm from both sides and a distance of 15 cm above the device should be provided in order to allow proper ventilation.
- The air vents must be kept clear from any obstructions such as newspapers, tablecloths, upholstery fabrics, etc. Avoid placing the receiver near heat sources (radiators, stoves, etc.) or on top of other heat-producing equipment (VCRs, audio amplifiers, etc.).
- Avoid installing the receiver near heat sources (radiators, stoves, etc.) or over other devices that produce heat (amplifiers, videorecorders, etc.).

ATTENTION

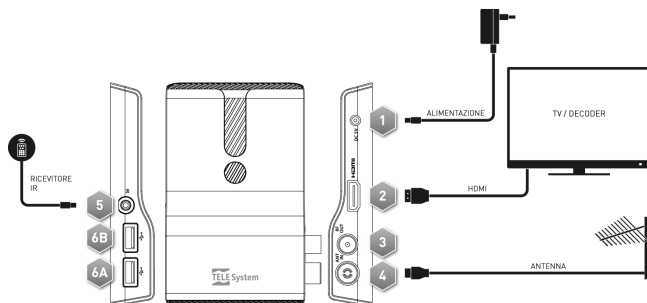
- Keep this product out of reach of children.
- The packaging plastic bags can be dangerous. To avoid suffocation, keep the bags out of the reach of children.
- Do not expose the receiver or the remote control to direct sunlight.
- The appliance must be placed on a solid, secure base.
- Connect the device to the power supply only after completing the installation.

DISPOSAL



- The crossed out trash bin symbol indicates that this product cannot be dispersed into the environment or thrown in the town's mixed municipal waste. Those who do not respect this are liable to punishment according to local legislation.
- A proper disposal of the appliance enables you to avoid potential damage to the environment and human health, as well as to facilitate the recycling of components and materials contained in it, saving energy and resources.
- The manufacturer provides a system for recovery (RAEE or REEE) of the product which is collected separately and provides treatment systems using equipment in accordance with current provisions.
- Take the unusable product (and any accessories, including the battery) to a recycling center authorized to handle electrical and electronic equipment waste, as it cannot be pooled with other waste. Alternatively, you can return the used or obsolete device to a distributor while replacing it with a new equivalent product or, as for all home appliances smaller than 25cm, you can leave the device free of charge with a distributor.

1.2 Product description and connections



- DC 5V** Input power supply 5V $\square$ 1.5A, to connect the included power supply which in turn is connected to a 230V~50Hz power socket. Power on/off button in standby.
- HDMI** Audio-video output HDMI 1.4a for high definition, dedicated to connecting a display with HDMI interface.

NOTE

- The video resolution is set by the factory to 1080i 50Hz.
- Ensure that the display connected TV supports the video resolution setting on the receiver.

- RF OUT** Antenna loop output for connecting another device with a digital TV tuner (optional).

WARNING

The antenna loop is always enabled when the receiver is in operate mode. Instead, when the receiver is in standby mode to save energy (paragraph 3.4.9.3), the RF pass-through output is not active.

- ANT IN** Antenna signal input.
- IR** External sensor/receiver (supplied) infrared (IR) for the remote control with LED display operating status (GREEN) and standby (RED).

NOTE

- Insert the plug of the IR sensor in the receiver by pressing it gently as far as it will go.
- Position the IR sensor in front of the TV screen and take care not to place obstacles between the IR receiver and the remote control so that they can communicate correctly.

- USB A/USB B** USB connectors, housings A e B to read personal media (video, pictures, music) and videotaping by integrated digital terrestrial tuner where permitted by the transmission. The memories will be identified with the following names:

- Disc A:** disc connected to the lower USB port (housing 6A)
- Disc B:** disc connected to the upper USB port (housing 6B)

WARNINGS

- Compatible with USB storage devices formatted with the file system FAT32.
- We cannot guarantee compatibility with all USB memory devices on the market.
- We recommend using USB HDD with external power supply, since the receiver cannot ensure proper power supply via the USB port. This will avoid possible damage to the storage device.

1.3 Remote control

Knowledge of how to use the remote control is the basis for the use of the receiver and for an easy navigation through the various functions and menus.

1.3.1 Batteries

Information and warnings

Replace and insert batteries before the first use of the product or when the remote does not properly respond to keystrokes. Compatible batteries: 2 x AAA, 1.5V.

To prevent leakage of corrosive liquid from damaging the remote control, we recommend that you remove the batteries when the device will not be used for a long period of time.

Do not use different types of batteries or new and used batteries together.

Inserting and removing

Once you open the battery cover on the back of the remote control, insert 2 AAA batteries respecting the correct polarity as indicated inside the battery compartment. Then close the door.

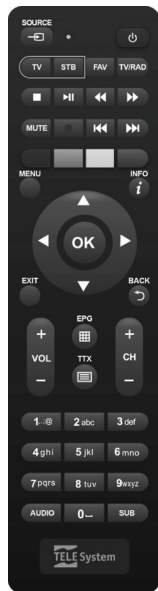
Remove the used batteries, which must be disposed of separately from domestic waste by taking them to any point of sale or waste collection, then repeat the same procedure for inserting them.

1.3.2 Buttons and functions on the remote control

1. **SOURCE** Selection of audio-video source for the television.^[1]
2. **LED** LED indicator of remote control operation.
3. **⏻ (On/Standby)** Turns on/puts the receiver in Stand-by mode.
4. **TV** Function enabling the television.^[1]
5. **STB** Enabling the command of the decoder (Set Top Box - STB).
6. **FAV** Recall favorite channels list.
7. **TV/RAD** Change between TV and Radio channels on the receiver.
8. **■ (STOP), ⏸ (PLAY/PAUSE), ⏮ (REW), ⏭ (FWD), ● (REC), ⏪ (PREV), ⏩ (NEXT)** Function buttons on the videorecorder (Personal Video Recorder - PVR) and Media Player.
9. **MUTE** Audio mute.
10. **RED, GREEN, YELLOW, BLUE** (Colored buttons) Are used in the menus to activate specific functions.
11. **MENU** Main Menu.
12. **INFO** Channel Info screen displays.^[2]
13. **▲, ▼, ◀, ▶** (Cursor Arrows) Menu navigation.
14. **OK** Confirm actions/changes key or quick recall of channels list.
15. **EXIT** Exits from the menu or from other information displayed on the screen.
16. **BACK** Back to the previous channel.
17. **VOL+/VOL-** Adjust volume level.
18. **EPG** Electronic program guide (Electronic Program Guide - EPG).^[2]
19. **TTX** Teletext.^[2]
20. **CH+/CH-** next/previous channel.
21. **0-9** (Alphanumeric keys) Changing channels or entering alphanumeric values in menus.
22. **AUDIO** Selecting audio tracks available..^[2]
23. **SUB** Choice of available subtitles.^[2]

^[1] in order to be able to control your TV, the TV must be programmed as described in this manual (section 1.3.3).

^[2] the program information, subtitle, teletext and additional audio tracks are provided by the broadcaster channel; this data may be incomplete or absent.



1.3.3 Programming TV buttons

1.3.3.1 Changing TV codes

Default TV codes are in the list attached to these instructions (see **Appendix A**). First identify the brand of the TV you want to control, then follow the steps listed below:

1. turn on the TV you want to control.
2. hold the **TV** for about 2 seconds until the **LED** indicator on the remote control turns on.
3. enter the 3 digit code that corresponds to the brand of your TV to be controlled using the number keys **0-9**.
4. If the code entered is valid, the **LED** will turn off. Otherwise, in case of wrong code, it will Flash a few times before going off and, if so, the program will exit (restart from point 1).
5. verify that the TV responds properly when buttons are pressed on the remote, at least in respect to basic functions. If not, repeat the TV key programming using another code, among those on the list dedicated to the brand of your TV (resume from point 2).

If your brand is not in the list or none of the default codes allows you to control your TV, try to identify or define an appropriate program by following the method described below.

1.3.3.2 Manual TV code search

1. turn on the TV you want to control.
2. point the remote control at the IR sensor of the TV and keep it pointed during the whole procedure.
3. hold the **TV** for about 2 seconds until the indicator **LED** on the remote control turns on.
4. Press sequentially one of the following keys: **⏻**, **CH+**, **CH-**.
5. as soon as the TV responds appropriately to the command off or changing the channel (in line with the button pressed), press **OK** to store the code. The **LED** then turns off.

Verify that the TV responds properly to other remote control keys, at least within the limits of basic functions. If not, continue the search for an appropriate code by repeating the procedure (resume from point 2).

1.3.4 Use of the remote control

After programming the remote to control the TV set (see section 1.3.3), it will work like the original remote control of the same TV at least limited to basic functions such as turning on and off, adjusting the sound volume and changing channels.

To control the decoder or TV, perform a single short press on the corresponding function keys **STB** (decoder) or **TV** (television) and point the remote control at the IR sensor of the device concerned. At each infrared command, **LED** indicator on the remote control will light up.

1.4 First installation of the receiver

Once the receiver has been connected (para. 1.2) and the adapter to the mains socket has been plugged in, the receiver will automatically start up. If this does not happen, turn on the device using the appropriate button  on the remote control. A simple wizard screen will then be displayed for the first installation.

NOTE

The installation wizard is presented not only at the first time installation, but also after a reset of the receiver (section 3.5.2).

Proceed according to the following guidelines:

Language

Choose the **Language** of the menu displayed on the screen [OSD-On Screen Display] with the arrow keys ◀ ▶. Then move to the next parameter by pressing the arrow button ▼.

Region

Set the **Region** of installation using the arrow keys ◀ ▶ and continue with the arrow key ▼.

WARNING

Wrong Country setting may result in a partial or even a failure to identify and store channels.

Video Resolution

Set the video resolution of HDMI digital audio and video output with the arrow keys ◀ ▶. Continue by pressing ▼.

NOTE

If the screen connected via HDMI displays problems, connect the receiver via SCART to set a compatible resolution value.

Aspect Mode

Choose the aspect ratio of the screen/TV connected to the receiver, either 16:9 or 4:3, and how images with different formats will be presented on the screen:

1. **16:9 Full:** For 16:9 screens. Images broadcasted in 4:3 will be adapted to the entire screen.
2. **16:9 PillarBox:** For 16:9 screens. When images are broadcasted in 4:3, two black bars on the sides will be added so that the original image is not distorted.
3. **4:3 LetterBox:** For 4:3 screens. When images are broadcasted in 16:9, the receiver will apply two black bars above and below to fill the screen without distorting the original image.
4. **4:3 PanScan:** For 4:3 screens. When images are broadcasted in 16:9, they are adapted proportionally in height of the screen, cutting the side portions.

Continue by pressing the arrow ▼.

LCN

Logical channel sorting function (Logical Channel Numbering-LCN). If enabled, during channel scan, the receiver will store the channels and automatically assigns to them a position in the list according to the numbering requested by each broadcaster of these channels.

NOTE

In the event that two or more channels require the same number LCN, the receiver will autonomously assign the position of these conflicting channels in the channel list, which in any case be varied at a later date via the menu **Edit channel > TV/Radio Channel List** (section 3.2.1)

Setting a Password

Define a four digit numerical password (PIN) for parental control (see also section 3.4.5). Enter the chosen PIN number in the **New Password** field with the numeric buttons on the remote control, then reinsert it in the **Confirm Password** field to confirm it. Continue by pressing the arrow key ▼.

Channel Scan

Press the **OK** button and **OK** that appears on the screen to begin the automatic channel scan and wait until the automatic channel search ends.

Channel viewing

Once the above steps are completed and therefore the Setup is complete, you can immediately take advantage of digital terrestrial channels available.

NOTE

- Some channels may not be visible because they subject to encryption or they are not compatible with this receiver.
- During the life of the receiver, the channels could become obsolete or change the transmission parameters. We recommend you update or reinstall the channel list on a regular basis (section 3.3).

2 Section for simplified use

WARNING

Before reading this chapter you should have carefully read the previous chapter.

To simplify the use of the receiver and the management of several digital channels, there are some Windows and menus accessible by pressing a single button on the remote control (see section 1.3.2). They are meant for frequent use and their functions are essential for a quick interaction with the receiver.

For advanced use of the device, its settings and customizations, please refer to Chapter 3.

2.1 Quick TV/Radio channel selection

To change the channel, proceed in one of the following ways:

1. Press the buttons **CH+/CH-** on the remote control to skip to the next/previous channel.
2. Enter the desired channel number directly with the digit keys **0-9** on the remote control.
3. Press **TV/RAD** on the remote control to switch between TV and radio channels of the receiver.
4. Alternatively, for a convenient way to manage the large number of TV and radio channels that digital terrestrial broadcasting offers, use the quick channel list accessible while watching programs by pressing **OK** on the remote, then:
 - Press **▼/▲** to scroll through the list of one channel at a time, or press the **CH+/CH-** buttons to quickly browse the list one page at a time.
 - Press **OK** on channel chosen to tune in to it.

For an advanced management of channel list, in particular for the construction of a favorite channels list, refer to paragraph 3.2.1.

2.2 Channel information banner

Each time you change channels or you press the **INFO** button, for a few seconds an information window will appear at the bottom of the screen. This is known as the channel information banner and the information that may be presented in this banner, when transmitted by the broadcaster, are:

1. The channel number.
2. The channel name.
3. The current time and date.
4. The title of the current and following program.
5. Optional data which may be present such as subtitles (**SubT** icon), teletext (**ITX** icon), EPG information (**EPG** icon).

NOTE

If the broadcaster does not transmit any of the above information, it will not appear on the channel banner.

Also, when the info banner of channel is active, pressing **INFO** will display technical information on the current channel.

2.3 Electronic Program Guide (EPG)

Some digital TV channels broadcast, in addition to special audio-video data of the viewed program, but also information about the program viewed and, in some cases, even the channel's daily or weekly program schedules.

To consult the EPG of the tuned channel, press the **EPG** button on the remote, sequentially:

- Use the **▲/▼** arrow keys to select a channel or a program.
- Use the **◀/▶** to move among the various events programmed on the chosen channel.
- Press the **RED (Time)** button and then the **◀/▶** arrows and **OK** to quickly navigate among the programs of a channel.
- In correspondence with an event, press the **OK** button to consult additional information available.
- Use the **GREEN (Timer)** button to book the viewing or recording of the selected event. The booked timers will be viewable from the menu **System Setup > Timer Setting** [section 2.7].
- Use the **EXIT** button to leave the EPG.

WARNING

The EPG information is optional data transmitted by broadcasters. Therefore, failure to display all or some of the information is not a symptom of a malfunctioning of the receiver.

2.4 Teletext function

If the viewed channel has Teletext data:

- Use the **TEXT** to start it.
- Use the numeric keys **0-9** to enter a page number and the arrow keys **◀/▶** to go to any subpage.
- Press the **TEXT** button again or **Exit** to leave it.

2.5 Audio and subtitle options

If the current channel is broadcasted in more than one language and/or contains subtitles, the user can select the audio track and/or the subtitles. Perform the following steps:

- Press the **AUDIO** button or **SUB** on the remote control.
- Select the audio track or the desired subtitles using the arrow keys **▲/▼**.
- Press the **OK** button to confirm.

In addition, near an audio track, the arrows **◀/▶** help you manage the distribution of audio channels (*Stereo Mono Left Right*), an operation recommended only for advanced users.

2.6 USB Functions

The device's USB ports are dedicated mainly to connecting external storage devices with USB 2.0 interface in order to record digital terrestrial channels from the built-in tuner or to stream personal media.

2.6.1 Use and warnings

Before using a USB mass storage device, like a hard-drive (Hard Disc drive-HDD) or a flash memory/Flash drive, follow the important rules and warnings below.

2.6.1.1 Connection

The USB device must be formatted in FAT32 and, to take advantage of the video recording function (see section 2.6.2), it must have a capacity of free memory suited to the required needs.

At the first connection of a USB memory device or after any formatting of the same, the receiver will create a folder named **ALIDVRS2** that will be used as an archive of recordings.

Since the receiver has two USB ports, the memories will be identified with the following names:

- *Disc A*: disc connected to the lower USB (housing 6A, see paragraph 1.2).
- *Disc B*: disc connected to the upper USB port (housing 6B, see paragraph 1.2).

WARNINGS

- It is recommended to use hard drives with external power supply, as the only USB port of the receiver cannot guarantee a proper power supply: risk of disc corruption and/or receiver!
- The receiver is only compatible with USB storage devices formatted with FAT32 File System.
- We do not guarantee compatibility with all USB memory devices on the market.

2.6.1.2 Disc removal

To safely remove the memory in order to avoid damaging files or the devices involved, we recommend disconnecting USB memory only through the dedicated section of the menu **Tools > Remove USB device safely**.

WARNING

Never disconnect the USB device during media playback, recording, formatting or when there is a timed event recording: risk of irreversible damage to the devices involved!

2.6.2 Personal Video recording (PVR)

Before proceeding with the use of a USB mass storage device, like a hard-drive (Hard Disc drive -HDD) or a flash memory/Flash drive, follow the important rules and warnings in paragraph 2.6.1.

2.6.2.1 Selecting a disc for recording

If you are using both USB ports, the receiver will enable the PVR function only on one of the connected memories, namely the first memory detected by the receiver. In the event of removal/replacement/new connection of one or both the USBs and, in any case, after every restart of the receiver, you should ensure that the enabling of the desired PVR memory has been made. In any case, you can change the configuration by using the "Configure PVR" (see section 2.6.2.2).

NOTE

- The speed with which the connected memory devices are detected depends on the technical characteristics of the each memory device.
- You cannot enable the PVR function on both the USB flash drives.

2.6.2.2 Configuring the recorder

Once connected and the USB memory has been recognized, enter the menu **System Setup > PVR Storage Information** and press **BLUE (DVR Set)** to configure the recorder **DVR Type** parameter:

1. *Timeshift*: only Timeshift (paragraph 2.6.2.3).
2. *Record*: only recording (paragraph 2.6.2.4).

3. REC & TMS: recording and Timeshift.

NOTE

Recording is only permitted for TV channels transmitted in without encryptions and not for encrypted TV or radio channels.

2.6.2.3 Timeshift

Timeshift is tasked to temporarily record a TV program from the moment the user tunes into the program until the channel is switched, then the TV automatically switches to temporarily record the new channel. This way, by pressing the **⏮** (PLAY/PAUSE) button, the user can pause and then resume watching the time-shifted TV program. Next, use the **⏹** (STOP) button to return to a live viewing.

2.6.2.4 Recording TV programs

NOTES

- The receiver is equipped with a single TV tuner, so while a recording is in progress, it will also allow you to view a different channel, provided that the latter is broadcasted on the same frequency of the channel being recorded.
- Up to two contemporary recordings on two channels broadcast on the same frequency are allowed.
- Broadcasters may decide to ban recording for issues related to copyright protection.

Instant recording

Tune in to the desired channel and press **●** (REC) to start recording it manually. The default recording time is set at two hours, but, if you press the **●** (REC) button, you can change this by entering the desired recording time using the remote (hours and minutes in hh: mm). To stop recording press the button early **⏹** (STOP) and confirm.

Scheduled recording

You can schedule multiple timer recording manually (or for viewing) by accessing the menu **System Setup > Timer Setting** (section 2.7). Alternatively, in the presence of EPG information about the program, then set the recording in the **EPG** menu (section 2.3).

2.6.2.5 Play recorded content

Recorded files are collected in the folder named **ALIDVRS2** USB memory dedicated to saving recordings and can be retrieved by accessing the menu **Media Player > PVR**.

Pressing **OK** on a recording, it will be played back. When reading, use the **⏮** (PLAY/PAUSE) button to pause/resume watching, **⏮** (REW/FWD) to rewind/fast forward and **⏹** (STOP) to stop playback.

2.6.3 USB Multimedia Player

Media Player function, commonly called Media Player, allows you to:

1. play MPEG2/MPEG4 content,
2. Listen to MP3 music,
3. View JPEG images,
4. from an external storage connected through USB port.

Before using a USB mass storage device, such as a hard-drive (Hard Disc drive -HDD) or a flash memory/Flash drive, follow the important rules and warnings in paragraph 2.6.1.

Access the **Media Player** menu, choose the corresponding submenu that corresponds to the type of media to be played between **Video**, **Music** and **Image**, navigate through available folders with the arrow **▲/▼** keys and press **OK**. Position yourself on the file you want to select using the arrow keys **▲/▼** and press **OK** to start playback. When playing video and music, if the file type supports it, use the **⏮** (PLAY/PAUSE) button to pause/resume, **⏮** (REW/FWD) keys (REW/FWD) to rewind/fast forward and **⏮** (PREV/NEXT) to skip to the previous/next file in the list.

2.7 Timer setting

To manually program the timer for the recording or viewing of one or more events that are not broadcasted contemporarily, tune in to the desired channel and enter the **System Setup > Timer Setting** menu. Choose the timer number, add or change with the arrow keys **▲/▼** and **OK**, then define the following parameters:

1. **Timer Mode:** the timer repetition rate (*Once/Daily/Weekly*).
2. **Timer Service:** Type of timer, either merely viewing (*Channel*) or record (*Record*).

NOTE

Recording is only permitted for TV channels transmitted in without encryptions and not for encrypted TV or radio channels.

3. **Channel:** The channel you are interested in seeing or recording.
4. **Start Date:** The timer start date (in *day/month/Year* format).
5. **Start time:** Timer start time (in *hh:mm* format).

6. **Duration:** Timer duration.

Save data entered/changed by pressing the **OK** button on the screen **Save** [or click **Cancel** to stop inserting/changing the timer].

3 Section for advanced use

WARNINGS

Changing some parameters of the menu may impair the correct functioning of the receiver itself. Therefore, carefully read through this section of the manual before proceeding with any adjustments.

To avoid tampering, some functions are protected by a security code directly defined by the user during first installation (see paragraph 1.4).

During normal TV program vision, by pressing **MENU** on the remote control, the **main Menu** will appear on the screen, where the following submenus can be found:

1. **Media Player**
2. **Edit Channel**
3. **Installation**
4. **System Setup**
5. **Tools**

GENERAL RULES FOR NAVIGATION

To navigate through the various menu use:

- The arrow keys **▲, ▼, ◀, ▶** to select menus, menu items, and options.
- The **OK** button to open a selection/a submenu or confirm a choice.
- The keys **0-9** to insert an alphanumeric value.
- The **EXIT** button, in general, allows you to leave a menu or return to the preceding the current window.

Also refer to any indications given in the various menus, specifying how to implement a function via a button on the remote control.

3.1 Media Player menu

This menu is dedicated to personal media playback via USB. Refer to the section in this manual concerning USB functions (section 2.6).

3.2 Change Channel menu

3.2.1 TV/Radio channel list

Menu for editing the channel list.

Favorite Channels List

To create a favorite channels list, press the **FAV** button, select the desired channel in the list, press **OK** and select favorite list to which you want to add the channel, then press **OK** to confirm and **EXIT**. Repeat for the other channels to add to the Favorites list, and then press **EXIT** to exit and save the changes.

While in viewing mode, to call up one of the created favorite lists, use the **FAV** key. Alternatively, while in the channel list, use the arrow keys **◀/▶** on the remote control to change channel group.

Channel Lock

To protect a channel manually, resulting in a viewing access via entry of a user-defined system PIN entry before installation (section 1.4), press the **RED (Lock)**, highlight the channel from the list, press **OK** and enter your PIN. Press **EXIT** to exit and save the changes.

Skipping Channels

You can mark one or more channels to be skipped during channel changing with the buttons **CH +/CH-** on the remote control. Press the **GREEN** button (**Skip**), highlight the channel from the list and press **OK**. Press **EXIT** to exit and save the changes.

Moving Channels

To move a channel, press the **YELLOW** button (**Move**), select the channel you want to move from the list and press **OK**. At this point, the channel move function behavior changes depending on if the LCN mode (section 1.4) is active or not. In particular, if LCN is active will prompt the user to enter the position number, and, if taken, the positions of the two channels in question will be exchanged. Instead, if the LCN is off, you must move the selected channel with the arrow keys **▲/▼** and press **OK** to release it and place it in the chosen location. Press **EXIT** to exit and save the changes.

Rename Channels

To rename a channel, press the **BLUE** button (*Edit*) and then the **GREEN** button (*Edit*), then type in the new name through the alpha-numeric keys on the remote control and the functions available on screen on the input window. Then press the **YELLOW** (*OK*) to confirm. Press **EXIT** to exit and save the changes.

Delete Channels

To remove a channel from the list, press the **BLUE** button (*Edit*), then again the **BLUE** button (*Delete*), highlight the channel from the list and press **OK**. Press **EXIT** to exit and save the changes.

NOTE

The deleted cleared will be reloaded on the list following an update channels or a reinstallation of the entire channel list (section. 3.3).

3.2.2 Delete All

Utility to delete all channels.

3.3 Installation menu

During the first installation an automatic channel scan of the available channels is performed. Periodically, upon activation of new television and radio services or modifications by broadcasters, we suggested that you reinstall or update the channel list of the receiver.

3.3.1 Channel Scan

Manual scan function on a single frequency. Select the channel/frequency (item **Channel No.**), then press **OK** on **Search** to execute the search.

3.3.2 Automatic search

Channel scan function on all available frequencies:

1. **Country:** Definition of the country in which the receiver will be installed.

WARNING

The incorrect setting of the **Country** may result in a partial or even a failure to identify and save channels.

2. **FTA Only:** possible restrictions of scanning only for broadcast in the clear/free (Yes) or (No).
3. **Search:** Press **OK** on this menu item to reinstall the whole channel list.

WARNING

When you do this, previous channel list will be cleared.

3.3.3 Autoscan in Standby

Function dedicated to the configuration of the automatic channel list Update during standby mode. It can be enabled/disabled using the parameter **Autoscan in Standby** (*On/Off*) and also programmed by entering with the number buttons **0+9** on the remote control at a new time (*hh:mm*) at the **Autoscan in Standby Time** parameter.

3.4 System Setup menu

3.4.1 Language

The following items are available:

1. **Language:** language of the menu shown on the screen (On Screen Display - OSD).
2. **First Audio:** Main audio language for the TV programs.
3. **Second Audio:** Secondary audio language for TV programs, to be used in the absence of the main one.
4. **Subtitle language:** language subtitles for TV shows.

NOTE

The proper functioning of the receiver in relation to the above audio and subtitle preferences is conditioned by the presence of this information which is transmitted at the discretion of the broadcasters of the channel you are tuned in to.

3.4.2 TV System

This menu has the following audio and video settings to be adjusted in accordance with the characteristics of the audio/video devices plugged into the receiver:

1. **Video resolution:** setting of the video resolution of the HDMI digital audio and video output.

WARNING

If the screen is connected via HDMI display problems, connect the receiver via SCART to set a compatible resolution value.

2. **Aspect mode:** aspect ratio of the screen/TV connected to the receiver, either *16:9* or *4:3*, and how the images with a different format from the screen will be displayed:
 - a. *16:9 Full:* For 16:9 screens. The images transmitted in 4:3 will be adapted to the whole screen.
 - b. *16:9 PillarBox:* For 16:9 screens. The receiver will apply two black bars to the left and right sides of an image broadcasted in 4:3 to fill the screen without distorting the original image.
 - c. *4:3 LetterBox:* For 4:3 screens. The receiver will apply two black bars above and below images transmitted in 16:9 to fill the screen without distorting the original image.
 - d. *4:3 Pan&Scan:* For 4:3 screens. Images transmitted in 16:9 is adjusted in proportion to the height of the screen by cutting off the side portions.

3.4.3 Local Time Setting

Adjusting the time on the receiver's clock. The following controls are offered:

1. **Country:** select the country in which the receiver is installed to automatically synchronize the time (recommended) in accordance with the information transmitted by terrestrial digital channels.
2. **GMT offset:** manually adjust the time offset relative to the global benchmark of Greenwich (Greenwich Mean Time-GMT).

NOTE

Date and time are automatically synchronized on the receiver by means of the information transmitted by the channel being viewed.

3.4.4 Timer setting

Programming and/or registration viewing timer menu. Refer to paragraph 2.7 Timer.

3.4.5 Parental Lock

The **Parental Lock** menu allows you to control access to channels after entering the four-digit numeric password defined by the user, also called Personal Identification Number (PIN).

NOTES AND WARNINGS

- This menu is always protected with PIN.
- The PIN code is originally defined by the user at the first installation of the device [see section 1.4].
- If you have forgotten your password, you will need to return the receiver to its original state of its first installation from the menu **Factory Setting** [see section 3.5.2].

Turn on this menu to change or disable the parental control level. It performs a check on the vision of various sensitive events. When the channel you are tuned in to transmits an event with security information for a viewing public at or above an age level defined by the **Rating Lock** value set in the menu, the receiver will block the channel. You will then see, on the screen, a request to unblock viewing of the channel by entering the PIN code.

This menu also allows you to change your password. To do so, first enter the PIN you chose in the field **New Password** using the number buttons on the remote control, then reinsert it in **Confirm Password** to confirm it.

3.4.6 Favorite

Menu to rename favorite channel groups [see also paragraph 3.2.1].

3.4.7 Audio Description Setting

The Audio Description (AD) gives to visually impaired users accessibility to video contents, through a narration of the video scene in addition to the main audio of the program. This kind of service is achievable in two different ways. In the first one, so called "broadcaster-mixed" mode, the broadcaster transmits a unique audio track which contains both audios, the main one and the video description: in this case, user has to simply select the involved audio track with AUDIO key of remote control. Instead, in the second way, so called "receiver-mixed" mode, the audio description is transmitted as a single additional track, like the main audio: in this case, the mix of the two audio tracks is demanded to receiver device. To do so, the user has to activate the **AD Service** in the menu **System Setup > Audio Description Setting** and eventually regulates the **AD Volume Offset** which represents the level between the video description and the main audio.

3.4.8 PVR Memory information

Technical consultation and configuration menu of the USB storage device when connected to the receiver. Provides information about space available, as well as:

1. **YELLOW** button (**Format**): Utility to format the USB memory to FAT32 format.

WARNING

Formatting the memory will lose all data/files contained in it.

2. **BLU** button (**DVR Set**): USB memory configuration for recording and/or Timeshift. Refer to paragraph 2.6.2.1.

3.4.9 Other

3.4.9.1 Channel Play Type

Channel change mode using the **CH+/CH-** buttons between: all channels (*All*), only free channels (*Clear*) or only the encrypted channels (*Encrypted*).

3.4.9.2 Auto Standby

The receiver is equipped with automatic shut-off function for energy saving. After three hours in operating mode without any action by the user, the receiver will automatically go into standby mode. This function is factory preset and can be deactivated through the menu item **Auto Standby** (*On/Off*).

3.4.9.3 Power Saving in Standby

The receiver is equipped even with a system to save energy during Standby mode. This function is factory preset. Also, it can be disabled through the menu parameter **Power Saving in Standby** (*On/Off*) in order to keep always active the RF OUT (the antenna loop).

3.5 Tools menu

3.5.1 Information

Lists system information of the receiver, in particular the software version in use.

3.5.2 Factory Setting (reset)

The original factory restore function of the receiver is commonly called Reset. To reset, go to **Factory Setting** menu, then confirm by pressing the **OK** button on the screen **Yes**.

WARNING

When you do this, you will lose all user customizations and all channels loaded. The latest software version installed will be preserved.

3.5.3 Upgrade by USB

The receiver software is upgradeable via USB port from this menu, after inserting a USB stick containing the image appropriate software that the manufacturer will, at its discretion, provide when necessary.

WARNING

During a software update, do not interact with the receiver and never turn off the mains: there is a risk of permanent damage to the receiver!

3.5.4 Remove USB device safely

Utilities for the safe removal of a USB storage device connected to the receiver. Refer to paragraph 2.6.1.2.

4 Menu map

The menu is structured as follows:

Main menu

- Media Player
 - PVR
 - Video
 - Music
 - Images
- Edit Channel
 - TV Channel List
 - Radio Channel List
 - Delete All
- Installation
 - Channel Scan
 - Auto Scan
 - Autoscan in Standby
- System Setup
 - Language
 - TV System
 - Local Time Setting
 - Timer Setting
 - Parental Lock
 - Favorite
 - Audio Description Setting
 - PVR Storage Information
 - Other
- Tools
 - Information
 - Factory Setting
 - Upgrade By USB
 - Remove USB device safely

NOTE

For navigating through the menus, use the arrow keys, OK, MENU, EXIT and numeric [0-9] on the remote control. Follow also the possible indications on each dialog box.

5 Troubleshooting guide

SYMPTOM	POSSIBLE CAUSE	REMEDY
The LED on the external IR sensor will not turn on.	The receiver is disconnected from the mains power supply.	Check that the receiver is plugged in.
	The power supply is plugged in but it doesn't work anyway.	Make sure the power supply is working. ATTENTION: risk of electric shock!
	The external IR sensor is not connected or is not inserted properly.	Insert the plug of the IR sensor in the receiver by pressing it gently up as far as it will go.
Lack of signal.	Antenna cable not connected to the receiver.	Connect the antenna wire to the receiver.
	Damaged antenna system.	Verify the integrity of your system (antenna, coaxial cable, signal distribution devices, etc.). It is advisable to have qualified personnel verify the installation.
	The tuned channel is not broadcasting or is obsolete.	Change channels and/or upgrade or reinstall the channel list (para. 3.3).
Absence of sound and/or images.	Audio volume low or mute.	Increase the level of audio volume of the receiver and the TV.
	The receiver is in standby.	Switch the receiver on.
	TV is turned off or positioned on the wrong channel.	Turn on the TV screen and/or place it on the correct audio-video channel.
	HDMI cable is not connected to your TV or is damaged.	Restore the audio-video connection.
	The receiver's HDMI resolution is not compatible with the resolution of the connected screen.	Try connecting another screen/TV via HDMI.
	You are trying to view an outdated or incompatible encoded channel.	Change channels and/or upgrade or reinstall the channel list (para. 3.3).
The remote control does not work.	The external IR sensor is not entered or it is not connected properly.	Insert the plug of the IR sensor in the receiver by pressing it gently up as far as it will go.
	IR sensor and remote control are unable to communicate with each other.	Remove any obstructions and point the remote control at the IR sensor.
	The remote control is in the wrong mode.	Press the STB to gain control of the receiver.
	Batteries not inserted or exhausted.	Insert the batteries or replace them.
	Batteries inserted with incorrect polarity.	Insert the batteries in the correct direction. Follow the signs inside the battery compartment.
	The remote fell and some components are damaged.	Contact your dealer to purchase a new remote control.
The adjustments made in the menu are not saved.	No confirmation after changing the settings.	After each edit, press the appropriate button to confirm/save.
The program information is not displayed.	The program concerned does not transmit information about the event. The receiver clock is not set correctly.	Adjust the receiver clock (para. 3.4.3).
The timer does not start or function properly.	The broadcaster transmits incorrect data and/or date.	
	The receiver's clock is set incorrectly.	Adjust the receiver clock (para. 3.4.3).
The receiver does not respond to the action buttons.	The receiver is temporarily blocked.	Disconnect the receiver power supply and reconnect it after a few seconds.
	Current channel sends inappropriate data that are blocking the receiver.	Disconnect the antenna cable, restart the receiver, switch channels, then reconnect the antenna.
	Problems with the remote.	See relevant suggestions listed in this table.

The table continues on next page ...

SYMPTOM	POSSIBLE CAUSE	REMEDY
The USB memory is not recognized.	USB memory is not formatted properly.	Formatting with FAT32 File System.
	USB memory is not compatible.	Try another USB memory.
	The sole USB port is not sufficient to power the memory.	Use any external power supply for the disc.
You cannot record.	The broadcaster does not allow recording.	
	Not enough memory.	Free up disc space intended for recording.
The receiver switches off automatically.	Energy saving function is activated.	See paragraph 3.4.9.2.
You forgot your PIN.		Perform a reset (para. 3.5.2).

WARNING

In general, in the event of abnormal behavior of the receiver, a complete system reboot or factory reset through reset [section. 3.5.2] can help you solve your problem.

6 Technical characteristics

Product type	Digital terrestrial receiver zapper HD DVB-T/DVB-T2 H.265	
Input/output frequencies	VHF: 174÷230MHz	
	UHF: 470÷862MHz	
Video Decoding	MPEG-2, MPEG-4 H.264/H.265	
Audio decoding ⁽¹⁾	MPEG Layer I & II, AAC+ (HE-AAC v1), Dolby Digital, Dolby Digital Plus	
Menu languages	ENG, ITA, FRA, DEU, POL, RUS, SPA, CES	
OSD menu	•	
Teletext	•	
Subtitles	•	
Electronic program guide (EPG)	•	
Video aspect ratio	16:9, 4:3	
Antenna power	-	
RF Modulator	-	
Integrated modem (RJ-11)	-	
Ethernet interface (RJ-45)	-	
Digital Audio Output (S/PDIF)	-	
SCART Output	-	
HDMI Output ⁽²⁾	x1, HDMI v1.4a	
	Resolution/video Upscaling up to 1080p (50Hz)	
USB Port	x2, anteriore, USB v2.0	
	5V  , 500mA Max (in total, for both ports)	
Automatic channels update	•	
Software update	Manual via USB	
Recording (PVR)	Via USB (FAT32)	
Timeshift	Via USB (FAT32)	
Media playback	Via USB (FAT 32)	
Factory reset function	•	
Favorite channels list	•	
Timer Setting	•	
Auto-off (power saving)	•	
Power supply	Direct: 5V  , 1.5A	
Included power supply	In: 100÷240V~ 50/60Hz, 0.5A Max	Out: 5V  , 1.5A
Consumption	Operational: 10W Max	Actual Standby <0,5W
Temperature	While working: 0÷40°C	Storage: -20÷70°C
Dimensions	118 x 81.5 x 23 mm	

⁽¹⁾ Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories..

⁽²⁾ The terms HDMI and High-Definition Multimedia Interface HDMI and the HDMI logo are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries.

A. TV

A

ABEX 061
ACER 260 278
ACME 015
ADA 006
ADC 000 010
ADMIRAL 000 001 019 111 179
ADVENT 097 134 141 199 267
ADVENTURA 139
AIKO 049
AIWA 157 180 185
AKAI 002 065 089 233 243 244 245
ALLERON 043
AMARK 019
AMTRON 045
ANAM NATIONAL 003 024 045 155
AOC 004 005 009 013 126 140 149 214
APEX 112 174 175 194
ARCHER 019
ASPECT 050
AUDIOVOX 045 220 234 261 262
AXEMT 038
AXION 142

B

BANG & OLUFSEN 152
BELCOR 004
BELL & HOWELL 000 001 041
BENQ 069 071 085 253
BLUESKY 119 256
BRADFORD 045
BRKSONIC 193
BROKSONIC 111 120 187 202
BROKWOOD 004

C

CANDLE 004 008 009 139
CAPEHART 140
CCE 124
CELEBRITY 002
CELERA 194
CENTRIOS 135
CENTURION 009
CETRONIC 045
CHANGHONG 194
CINERAL 049 119
CITIZEN 001 004 008 009 045 049 089 111
129 151
CLAIRTONE 013
CLASSIC 045 194
COBY 231 236
COLORTIME 004 009 010
COLORVOICE 010
CONCERTO 004 009
CONCERGE 093
CONTEC 012 013 045
CORNEA 042
CRAIG 045
CROSLEY 160
CROWN 045
CTX 019
CURTISMATHES 000 001 004 009 014 041
089 114 129 190
CXC 045
CYBERVISION 119

D

DAEWOO 004 005 009 010 016 017 018 032
035 045 049 068 084 105 106 114 116 197
DAYTRON 004 009
DELL 027 042 169
DGSTAR 133
DIAMOND VISION 076 170 206
DIGIMATE 218
DIGISTAR 042 097 099 134 175 220 254
DIMENSIA 000
DISNDY 111 128
DUKANE 050 061
DUMONT 004 093
DURABRAND 110 111 123 127 151 176 241
DYNASTY 045
DYNEX 111 267

E

ELECTROBAND 002 013
ELECTROHOME 003 004 009 021
ELEKTRA 001
ELEMENT 224 269
ELITE VIDEO 158
EMERSON 000 004 009 020 022 023 024
026 028 029 030 032 033 034 036 037 041
043 045 111 114 120 143 151 170 180 181
183 184 187 198 268
ENVISION 004 009 063 214 275
ESA 151

F

FISHER 012 041 041 144
FLUID 215 224
FUJITSU 043 158 212 274
FUNAI 043 045 151 180 198
FUTURETEC 045

G

GATEWAY 038
GE 000 003 004 009 014 021 036 044 046
074 091 104 132 189
GIBRALTER 004 093
GOODSTAR 004 005 009 012 048 068 126
180 188
GPX 204
GRADIENTE 004 097 123 182 258
GRUNDY 043 045
GUESTVISION 162
GVISION 211

H

HAIER 069 127 175 176 203 251
HALLAMRK 004 009
HARVARD 045
HEWLETT PACKARD 217
HISENSE 062 146 175 272
HITACHI 001 004 009 012 050 051 052 061
113 115 117 143 180 209
HYUNDAI 240

I

ILO 151 159 223 228 230 245
IMA 045
INFINITY 160 186
INFOCUS 000
INITIAL 228 230

INSIGNIA 087 097 110 111 134 151 176 198
228 252 267 271 276 293 294 298
INTEGRA 145
INTEQ 093

J

JANEIL 139
JBL 160
JC PENNEY 000 004 005 008 009 012 014
021 044 046 074 089 091 129
JCB 002
JENSEN 004 009 110
JVC 012 025 051 055 057 059 117 158 182
200

K

KAWASAKI 205
KAWASHO 002 004 009
KAYPANI 140
KEC 045
KENWOOD 004 009
KLH 194
KLOSS NOVABEAM 058 139
KOGI 211
KONKA 011 015 039 045 056 087 195 252
298
KTV 013 015 045 060
KURAZAI 001

L

LASONIC 170 206
LEGEND 097
LG 004 005 009 012 042 048 068 125 126
180 188
LIQVIDVIDEO 135 142
LOGGENET 000 001 163 266
LOEWE 160 171
LOGIK 000 001
LUCE 222
LUXMAN 004 009
LXI 000 004 009 014 041 091 129 160 180

M

MAGNASONIC 043
MAGNAVOX 004 008 009 058 064 117 160
167 179 186 198 239 270
MAJESTIC 000 001
MARANTZ 004 009 145 160
MAXENT 200
MEDION 076 128 159 173
MEGATRON 004 009 050
MEI 013
MEMOREX 000 001 004 009 041 043 111
187 193 213 224
MGA 004 005 009 012 021 043 117 144
MIDLAND 000 014 046 091 093
MINTEK 230
MINUTZ 044
MISAKAI 151
MITSUBISHI 004 005 009 021 043 117 122
144
MONIVISION 031
MONTGOMERY WARD 000 001
MOTIVA 041 182
MOTOROLA 003 019
MTC 004 005 009 013 089 129
MULTITECH 045

MULTIVISION 072
MYRON & DAVIS 172

N

NAD 004 009 061 129
NEC 003 004 005 009 010 079 117 145 290
NET TV 038 103
NEXSTECH 134 227
NIKEI 045
NIKKO 004 009 049
NIKO 248
NORCENT 035 047 175
NTC 049

O

OLEVIA 215 246 247 257
ONCOMMAND 162 259
ONKING 045
ONWA 045
OPTIMUS 061 136 191 192
OPTOMA 225
OPTONICA 019 079
ORION 030 093 111 193

P

PANASONIC 003 046 060 136 160 191 192
196 277
PHILCO 003 004 005 008 009 011 050 058
064 117 160 167
PHILIPS 003 004 008 058 064 069 073 074
117 124 147 151 160 161 165 166 167 168
186 198 255 270
PHILIPS-MAGNAVOX 160 165 167 179 186
PILOT 004
PIONEER 004 009 061 075 143 145
PIVA 229
PLANAR 213
POLAROID 097 110 138 146 194 220 224
242 252 265 273
PORTLAND 004 005 009 114 114
PRECISION 199
PRICECLUB 089
PRIMA 097 133 134 141 220
PRINCETON GRAPHICS 019 083
PRISM 046
PROSCAN 000 014 091 130 131
PROTON 004 009 077 140 148 154 218
PROTRON 125 218
PROVIEW 215 224
PULSAR 004 093

Q

QUASAR 003 046 060 136 160 191 192 277

R

RADIO SHACK 000 004 009 012 034 040
041 045 079 136 180 189
RCA 000 003 004 005 009 014 021 040 046
078 080 082 084 086 091 095 104 108 130
131 143 149 150 153 189
REALISTIC 000 004 009 012 034 040 041
045 079 136 180
RHAPSODY 013
RUNCO 093 145

S

SAMPO 004 009 012 038 103 140
SAMSUNG 004 005 007 009 012 014 065
068 088 089 090 129 137 190
SAMSUX 009
SAMTECA 156
SAMTRON 089
SANSUI 111 187 193
SANYO 004 012 041 081 092 144
SCEPTRE 112 121 264
SCOTCH 004 009
SCOTT 004 009 023 030 043 045 245
SEARS 000 004 009 012 014 041 043 067
089 091 094 129 144 151 160 193 198
SELECTRON 175 221 222
SEMP 208
SHARP 004 006 009 019 053 067 079 101
102 179 184
SHOGUN 004
SIGNATURE 000 001 022
SIMPSON 008
SONIC 013
SONY 002 107
SOUNDESIGN 004 008 009 043 045
SOVA 210 232
SOYO 237 238
SPECTRA 170
SPECTRAVISION 164
SQUAREVIEW 151
SSS 004 045
STARLITE 045
STARSIGHT 054
SUPERSCAN 067 094 198
SUPERSONIC 204
SUPRA 004 070
SUPREMACY 139

SUPREME 002

SVA 172 175
SYLVANIA 004 008 009 058 064 111 117
151 160 161 167 180 198
SYMPHONIC 023 045 151 180 198
SYNTAX 215 246 247

T

TANDY 019
TATUNG 003 069 159
TECHNICS 046
TECHWOOD 004 009 046
TEKNIKA 000 001 004 005 008 009 012 043
045 089 129 136 139
TELECAPTION 098
TELERENT 000 001
TERA 004 148
TEVION 159
TMK 004 009
TOSHIBA 012 041 079 089 117 129 136 145
190 193 201 208
TRUTECH 226 235 250

U

UNIVERSAL 044 074

V

VENTURER 278
VICTOR 051
VIDEOCON 263
VIDTECH 004 005 009
VIEWSONIC 038 061 216 249 275
VIKING 139
VIORE 219
VIZIO 042 069 094 118 207 265 284

W

WARDS 000 001 004 005 008 009 023 043
044 058 064 074 079 100 160
WESTINGHOUSE 002 096 107 118
WHITE WESTINGHOUSE 068 084 112 114
180 264

Y

YAMAHA 004 005 009 136

Z

ZENITH 001 004 009 022 032 042 049 050
054 066 093 109 111 114 123 125 179 180
182 184 186 187 188 190

Product Code
21005255

Digital Terrestrial Receiver
DVB-T/T2 HD AVC/HEVC, USB PVR ready

TELE System TS6810 T2 STEALTH

Declaration of conformity

Tele System Digital declares under its sole responsibility that this product meets the essential requirements of the Directives:

- 2009/125/EC (Energy related Products - ErP)
- 2011/65/EU (Restriction of the use of certain Hazardous Substances - RoHS)
- 2012/19/EU (Waste Electrical and Electronic Equipment - WEEE)
- 2014/30/EU (ElectroMagnetic Comptatibility Directive - EMC)
- 2014/35/EU (Low Voltage Directive - LVD)
- 2014/53/EU (Radio Equipment Directive - RED)

in accordance with the following technical standards:

RED	LVD	EN 60065:2014
		EN 55035:2017
	EMCD	EN 55032:2015+AC2016
		EN 55024:2010+A1:2015
		EN 61000-3-2:2014
		EN 61000-3-3:2013
Terrestrial	EN 303 340 v1.1.2 (2016-09)	



Bressanvido, 14/05/2018

Flavio de Poli
Amministratore Delegato

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ENG_14/05/2018