



Kingbox DVB-T2 High Definition Digital Terrestrial Receiver User Manual

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Kingbox

Kingbox DVB-T2 High Definition Digital Terrestrial Receiver



Important safety warnings

- Read carefully the user manual before connecting the appliance to the mains. This manual must be kept for all the life of the decoder for future consultations. The appliance is not a toy, prevent children from playing on it.
- Before any connection verify the integrity of the product and overall of the supply cable; in case of damage DON'T supply it and contact an authorized repairer. The supply cord can be replaced only by the manufacturer or by an authorized repairer or by a specialized technician; this to avoid any danger.
- The connection to the mains must be done after all the other connections. Before inserting the plug in the socket check that the voltage of the mains is compatible to the data reported on the rating label on the appliance.
- Don't pull the cable to disconnect the plug. Place the decoder in such way that the cable can be accidentally stepped on, torn or otherwise damaged.
- To disconnect the appliance from the supply, unplug the plug; the high voltage is present even when the appliance is in standby mode.
- Place the cable in such way that it cannot be mashed and to avoid that persons can stumble on it.
- Do not force the entry of the connections, damage may occur and consequently dangers for the user.
- It is recommended to disconnect the receiver in case of prolonged non-use and thunderstorms.
- Disconnect the appliance from the mains before cleaning. Use a dry cloth. Do not use liquid cleaners, aerosols or cleaning products.
- Place the device on a stable surface. The opening on the enclosure must be left uncovered to permit a free airflow inside the appliance. Be sure to have enough distance around the device to allow adequate ventilation. Make sure that ventilation is not obstructed by objects such as newspapers, tablecloths, curtains, etc.
- Keep the appliance away from liquids and heat sources. Do not place containers containing liquids, such as flowerpots, on top.
- Do not open the appliance, bearing live parts that can be dangerous for the user. It does not contain any useful parts for the user. For assistance, refer to qualified personnel.

- Do not throw batteries into fire, short-circuit them, open them or subject them to excessive temperature.
- Batteries are not rechargeable, do not attempt to recharge them. Replace the batteries with others of the same type. Do not use a new and an old battery or batteries of a different type, replace both with new identical ones. Do not disperse batteries in the environment.

Main characteristics of the appliance

- DVB-T / T2 compatibility in HEVC main 10bit H.265 and H.264 standards
- Universal remote control with auto-learning to control both decoder and TV
- Dolby Digital audio quality for excellent sound quality
- 7 multifunctional keys in the front panel
- Coaxial Audio Digital output
- Video resolution: 576i / p; 720p; 1080i, 1080p.
- 4-digit display with time (when in standby) and channel being viewed
- Electronic Guide to TV programs being watched (function only if supported by the TV broadcaster)
- LCN function for automatic channel numbering based on the importance of the national standard
- Multi-language menu
- Automatic and manual channel search
- 1.000 channels (TV / Radio)
- Switching on on the last channel selected
- Supports Parental Control activation
- 2.0 USB 2.0 port (Media Player for Music / Photo / Video / SW update. Supports MP3 audio formats; JPG, JPEG images, AVI, MP4, MKV videos)
- RJ-45 LAN port for access to the Internet with preloaded APP (Weather; IPTV; RSS streams)

Connections

- Antenna input: IEC female connection
- Antenna output: Loop Through IEC male connection
- Outputs: HDMI (up to 1080p), SCART and Coaxial Digital Audio
- Ports: USB 2.0 / RJ-45 LAN network
- 100-240V~, 50/60Hz power supply via mains cable

Technical features

DVB-T2 Tuner	Frequency range	(VHF) 177.5MHz -226.5MHz (UHF) 474MHz -858MHz.
	Band	7MHz/8MHz
	Input impedance	75Ω
Channel decoding	Standard	MPEG-2 (ISO/IEC 13818-2) MPEG-4 (ISO/IEC14496-2) H.264 (ISO/IEC14496-10) HEVC main profile @ level 4.1
Video decoding	Standard	MPEG-2MP@ML (up to 1080p@60fps) MPEG-4 ASP@L5HD (up to 1080p@60fps)
	Aspect ratio	16:9 4:3
	Video format	PAL
	Video resolution	576i / 576p / 720p / 1080i/1080p
Audio decoding	Decoding	MPEG-1 Layer I/II, MPEG-2 layer I/II, AAC, AAC+/HE-AAC/AC3/E-AC-3
	Output mode	Mono/Joint Stereo/Stereo
	Sampling frequency	32, 44.1 & 48 kHz
Supply data	Input voltage	100-240V~ 50/60Hz
	Power	5W
	Standby consumption	0.72W
Operative condition	Working temperature	+5°C to 55°C

Overview of the appliance

Package Contents

- Digital decoder
- Remote control
- User manual

Front panel



Figure 1

1. Power Button: turn on/off the decoder
2. M Button: Menu Button
3. USB input
4. Display
5. CH+ e CH- buttons: change the channels 6 Cursor Buttons
6. OK button

Rear panel



Figure 2

Figure 2

1. ANT IN: input antenna cable
2. ANT OUT: output antenna cable (Loop Through to connect to another decoder or a RF modulator)
3. COAXIAL: digital audio output
4. HDMI: HDMI output
5. ETHERNET: RJ45 Ethernet socket, for the internet connection
6. TV: SCART socket for the connection to TV
7. Supply cable



1. Power TV key: turn on/off the television
2. Power key: turn on/off the appliance
3. SET key: configure the remote control
4. TV/AV key: configure the source of the television
5. VOL +: allow to adjust the intensity of the output audio of the linked TV
6. VOL -: allow to adjust the intensity of the output audio of the linked TV
7. PRV key (red): function not available
8. V-Format key (green): selects the video resolution video (576i/p; 720p; 1080i, 1080p)
9. Aspect key (yellow): selects the aspect ratio (16:9 o 4:3)
10. Timer key (blue): function not available
11. Fast backward key: fast-reverses a movie
12. Fast forward key: fast-forwards a movie
13. Skip back key: goes to the previous content
14. Skip forward key: goes to the next content
15. Play/Pause key: play/pause a content
16. STOP key: stops the display of multimedia content
17. Sub-T key: shows the subtitles (if available)
18. Recall key: skips to the previous channel

19. EG key (GUIDE): opens the electronic guide to the programs (if available)
20. INFO key: shows the information about the channel
21. Arrow keys: allow you to navigate inside the menu, allow you to change channels in succession (UP / DOWN arrow) and to adjust the audio volume (left arrow LOW and right arrow HIGH)
22. OK key: confirms a selection or shows the TV List
23. MENU key: opens the main menu
24. EXIT key: exits from a menu
25. Audio key: selects the language of the program, if a different language is available. TTX key: activates the Teletext (if available)
26. FAV key: creates and shows the list of the favorite channels
27. REC key: function not available
28. PAGE+ e PAGE-keys: allow to navigate inside the menu.
29. Numeric keys 0,1...9: allow to dial the desired channel number
30. Mute key: turn on/off the volume; to turn on press it gain or use the volume keys.
31. TV/Radio key: switches from TV channels to Radio channels and vice versa.

Installing remote control batteries

The remote control works with 2 AAA batteries, 1.5V (included). On the rear of the remote control, there is the batteries compartment. To open it, push slightly the upper part of the window (identified by knurling) and slide the lid.

Place the batteries following the right polarity, indicated on the bottom of the compartment. Close the lid, sliding until the end. Use only batteries of the specified size and voltage.

If the remote control is not used for a long time, remove the batteries. Do not leave dead batteries in the remote control.

If liquid is produced from the batteries, wipe it off with a cloth and replace the batteries.

Do not throw batteries into fire, do not short-circuit them, do not open them or subject them to excessive temperature. Batteries are not rechargeable, do not attempt to recharge them. Replace the batteries with others of the same type. Do not use a new and an old battery or batteries of a different type, replace both with new identical ones. Do not disperse batteries in the environment.

Using the remote control

The remote control must be directed towards the front of the appliance, where the IR sensor is. Remove any object that may influence the trajectory from the remote control to the sensor. Exposure to strong sunlight could affect the sensitivity of the remote control.

Connection

WARNING: connect the appliance to the mains only after making all the necessary connections.

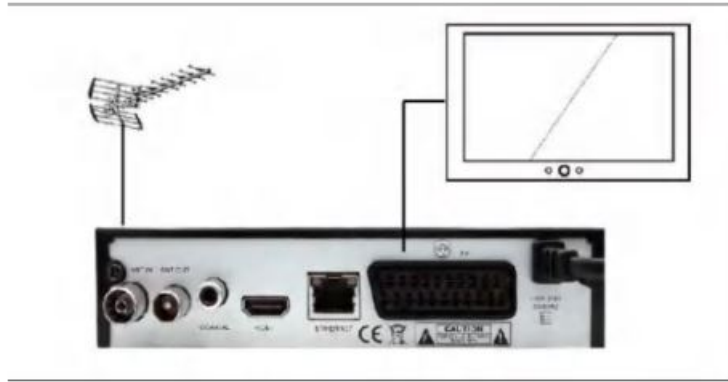
Make sure to have inserted the batteries in the remote control, adjustments may only be necessary with the remote control. Refer to the previous diagrams and images (Figure 2) for the identification of the correct position of the sockets on the decoder.

Antenna connection

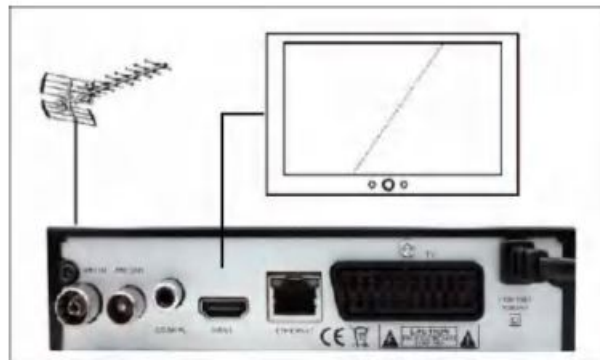
Connect the coaxial cable of the antenna connected to the wall socket with the ANT IN socket (see Figure 2) on the back of the device.

Connection to the television

There are two way to connect the appliance to the television: through an HDMI cable or a SCART cable (both cables are not included in the packing). Choose the most appropriate one based on the TV. If the TV is equipped with an HDMI socket, using it to have the maximum video and audio resolution being a digital output.



The SCART cable (not included) must be inserted in the proper socket on the television, following the correct polarity provided by the shape of the connector, and in the socket on the rear of the appliance (see Figure 2), automatically the television will show the home screen of the decoder, once turned on.



The HDMI cable (not included) must be inserted in the proper socket on the television and in the socket on the rear of the appliance (see Figure 2). It is recommended to take note of which TV socket is used (usually it is indicated as HDMI 1, HDMI 2,). The TV will not automatically display the initial screen of the decoder, it will be necessary to select the source using the TV remote control (see its manual, usually on the TV remote controls it is indicated as SOURCE, INPUT ...; then choose the HDMI 1 icon .. or HDMI 2 or HDMI 3 based on the HDMI input to which the HDMI cable is connected).

Boot

Select the video source via the TV settings (see the TV manual for any information), if the HDMI connection is used; instead with the SCART connection, the selection will be automatic. On the decoder display the “0000” sign will appear.



The home screen INSTALLATION GUIDE allows the choice of the language (“Lingua OSD”) and the country (“Paese”), the possibility to search only the not encrypted (FTA: Free To Air) or also those the pay-per-view ones (ALL). Moreover, it’s possible to choose if supply the antenna or not (for further info see page 13). The factory settings for language and country are “Italiano” (Italian) and “Italia” (Italy). Both the parameters can be changed via the arrows keys, after selecting what is wanted to modify, using the arrows keys on the remote control skip to the next menu.



Once the choice is made select CHANNEL SEARCH using the arrows key, then press OK to start the automatic search of the channels. Pressing EXIT the main menu is open.

The operation may take a few minutes. At the end of the search, the decoder may require the choice between two channels that would occupy the same position, to make the choice use the arrow keys and finally the OK key. If no choice is made the first channel will be selected.

IMPORTANT NOTES

In the event that the channels stored in the search are not arranged according to the national standard which provides for their ordering according to their importance (RAI 1 on channel 1; RAI 2 on channel 2; RAI 3 on channel 3, RETE 4 on Channel 4 ; CANALE 5 on channel 5; ITALIA 1 on channel 6; LA7 on channel 7 ...), means that the LCN function is not active. To activate the LCN order, please follow the instructions in the following chapter (PROGRAM).

Overview of the menus

The main menu is divided in 7 submenus: PROGRAM, PICTURE, SEARCH, TIME, OPTION, SYSTEM and USB. Access to the main menu is by pressing the MENU button on the remote control. Using the arrow keys, you can open the various submenus.

Program

This menu allows you to sort, modify and delete the stored channels. To open the menu PROGRAM, select the first icon bottom from the left.

In this menu it is possible to activate the "LCN" function: select with the arrow keys SORT and select between the different options BY LCN, then activate the LCN, selecting LCN and ON, as in the picture above; so, the channels will be arranged according to national importance. The factory setting provides that the channels are automatically arranged according to LCN, and the LCN sorting is active, just like in the image above.

IMPORTANT: to activate sorting by LCN both the sorting by LCN (SORT: BY LCN) and LCN activation (LCN: ON) must be selected.



Picture

This menu allows you to change the image display format. The format is set automatically according to the TV to which the decoder is connected. If not, select 576I / P or 702P if you are using a TV with only the SCART socket, or 1080i / p if you are using a TV with an HDMI socket (1080p gives the maximum video resolution, but not all TVs

support it). This menu also allows you to change the SCART output (TV-SCART), the display on the decoder via

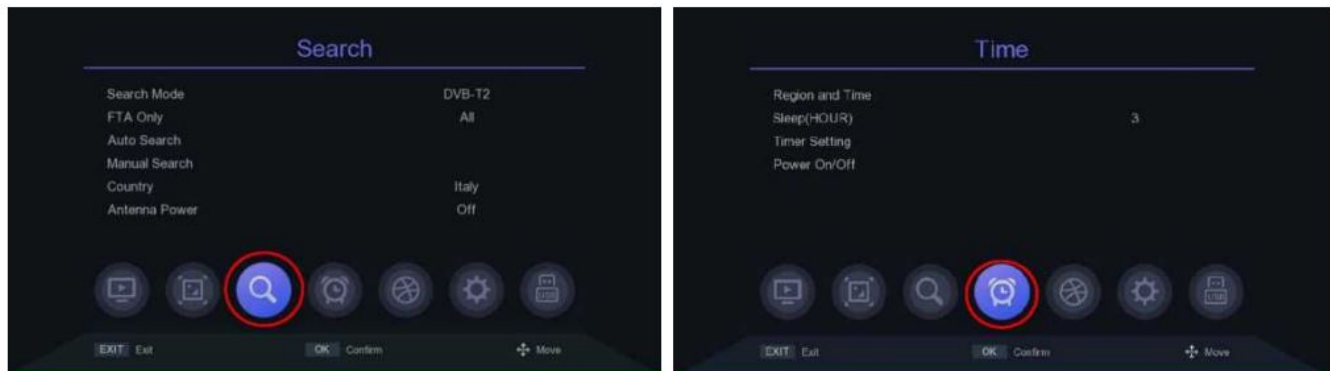
PANEL SETTING (whether to display the channel number or the current time during transmission).

To open the menu PICTURE, select the second icon bottom from the left.

Search

This menu allows you to search the channels, both automatic and manual. To open the menu SEARCH, select the third icon bottom from the left.

IMPORTANT NOTE: the ANTENNA POWER parameter should normally be left OFF unless a portable indoor antenna that requires an external 5Vdc power supply is connected. These indoor antennas are special antennas and are designed to operate at 5Vdc, taking their power from the “RF IN” socket on the decoder. By enabling the ANTENNA POWER function and connecting an antenna cable from the decoder to the indoor antenna, we will supply, through the same antenna cable, the voltage necessary to power the internal amplifier of the antenna. So, if the decoder is connected the antenna to the home TV system or an indoor antenna that does not require a voltage of 5Vdc, the antenna power supply must be left off.



Time

This menu allows the time zone to be adjusted and the decoder to be turned off automatically using the SLEEP (HOUR) function (it is possible to set from 1 to 12 hours), as per European regulations it is set to 3 hours¹. By entering POWER ON/OFF you can set the automatic switching on and off of the decoder. To open the TIME menu, select the fourth icon at the bottom from the left.

Option

This menu allows you to change the language of the on-screen menu (OSD), subtitles or audio. To open the OPTIONS menu, select the fifth icon at the bottom from the left. This function contributes to energy saving by ensuring that the device turns off after the time set after the last command sent via the remote control. Before switching off, a message is displayed, see the chapter Energy saving.



System

This menu allows you to change the system settings. To open the SYSTEM menu, select the sixth icon from the bottom left.



USB

This menu allows you to manage the multimedia options. To open the USB menu, select the seventh icon at the top from the left.

Operations

Channel selection

To select the channel, simply enter its number using the channel numeric keypad, or use the CH + and CH- keys which allow you to move forward or backward by one unit.








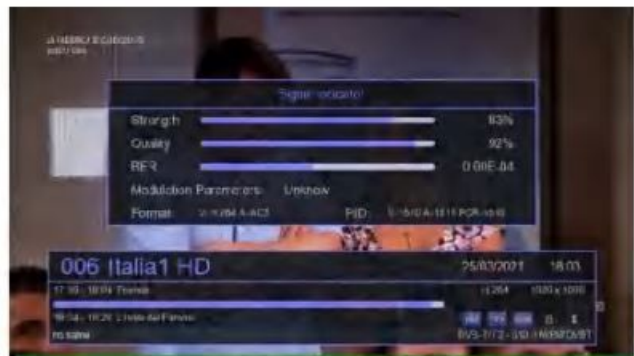
It's possible to visualize also the list of the channels using the OK key on the remote control. Sliding the list via arrow keys and confirming with OK, it's possible to visualize the desired channel. Or by pressing the GREEN key a virtual keyboard appears, through which you can find the desired channel by entering its name. Or by pressing the EG (GUIDE) key on the remote control you access the Program Guide (if supported by the television broadcaster), using the arrows keys you can change the channel, keeping the guide open; once you have reached the desired channel, close the window with the EXIT key.

Volume adjustment

Using the VOL + or VOL- keys, it is possible to adjust the volume of the audio. To completely reset the volume, use the MUTE button on the remote control, once you retype the volume it will reset to the previous value.

Channel information

Pressing the INFO key on the remote control information about the channel being viewed will be displayed: if the channel is HD (), if the Teletext () and subtitles () are available, if the channel is locked () or if it is encrypted () the corresponding symbols will be highlighted.



By pressing the INFO button again further information, such as the quality and strength of the video signal can be got.


The banner will be visible for some seconds, to make it disappear press EXIT.

Switching TV/RADIO

By pressing TV/RADIO key on the remote control you can switch between TV and radio channels (audio only) and vice versa.

Subtitle activation

Subtitles show what the characters say in the television programs, this is very useful

for those with hearing problems. The subtitles are available if the symbol () is highlighted in the info banner related to the channel by pressing the INFO key.

To activate (or deactivate) the subtitle, press the SUBTITLE key on the remote control, a window shows the available options. Via arrow keys highlight the desired option and select with OK, the windows will be closed, and the subtitles will be available. In the factory settings, the subtitles are disabled (OFF).



Channel organization

The channels are by default organized according to LCN (Logical Channel Numbering), which allows to automatically assign to each television service received a predefined position within the list.

You can change the numbering to your liking by accessing the PROGRAM menu, pressing the MENU button on the remote control and the arrow keys, and then to the submenu CHANNEL EDIT, using the arrow keys and the OK key. Or opening the channel list with the OK key and pressing the YELLOW key on the remote control.

The CHANNEL EDIT menu allows you to delete one or more channels, move them, lock them, add them to the favorites list skip one or change their name.

To delete a channel, press 1 on the numeric keypad of the remote control, the first icon on the top left (bin,) is highlighted, use the arrow keys to position the channel to be deleted, and press the OK key. Next to this appears, the channel has not yet been deleted, you can cancel the selection by typing OK (the red disappears). When you have finished selecting the channels to delete, press the EXIT button, and the system asks you to confirm the action (saving the deletion will be effective).



NOTE: The selected channel is deleted, and the list is repositioned to cover the hole. You can select the entire list by pressing the RED button on the remote control.

IMPORTANT: The deleted channel can only be recovered through a new channel search.

To move a channel, type 2 on the numeric keypad of the remote control, the second icon on the top left (arrows,) is highlighted, use the arrow keys to position the channel to be moved, press OK, two red arrows () will appear next to them, with the arrow keys move it to the desired location. At the end, press the EXIT button, the system asks you to confirm the action (saving the move will be effective).

NOTE: The channel is moved within the list and the numbering is recalculated.

To skip a channel, type 3 on the numeric keypad of the remote control, the third icon at the top left (arrow,) is highlighted, use the arrow keys to position the channel to skip, press OK, a red arrow () will appear next to it. At the end, press the EXIT button, the system asks you to confirm the action (saving the jump will be effective).

NOTE: The selected channel is not shown in the channel list and the list is repositioned to fill the gap. You can restore it by following the same procedure above, the symbol will disappear, and the channel will be visible again. To lock a channel, type 4 on the numeric keypad of the remote control, the password is requested (the default is 888888, six eights, to change it see the chapter Change password), then the fourth icon at the top left (padlock,) is highlighted, use the arrow keys to go to the channel to be blocked, press OK, a red padlock () will appear next to it. At the end, press the EXIT button, the system asks you to confirm the action (saving the block will be effective).

NOTE: The viewing of the channel is locked, to unlock it you need to enter the password. To unlock it, repeat the above operations, the symbol will disappear. The padlock at the bottom right will be highlighted among the channel information. You can block the entire list by pressing the RED button on the remote control, while the channels to lock are chosen.

To add a channel to the favorite, type 5 on the numeric keypad of the remote, then the fourth icon at the top left (heart,) is highlighted, use the arrow keys to go to the channel to be blocked, press OK, a list of favorite categories to choose from with the arrow keys, by confirming with OK the symbol will appear (it is possible to select more than one category for the same channel). To confirm the selections type EXIT, will appear next to the added channel. At the end, press the EXIT button, the system asks you to confirm the action (saving the block will be effective).

NOTE: To view your favorite channels press FAV on the remote control, the categories containing the favorites will appear, selecting the category with OK, the list of favorite channels for that category will appear. To access it, press OK.

To delete a channel from a list, repeat the above steps, the symbol will disappear.

To rename a channel, use the arrow keys to move to it and press the GREEN key, using a virtual keyboard it is possible to change the name of the channel, at the end of typing select OK. Pressing the EXIT key saves the changes and exits the menu.

USB

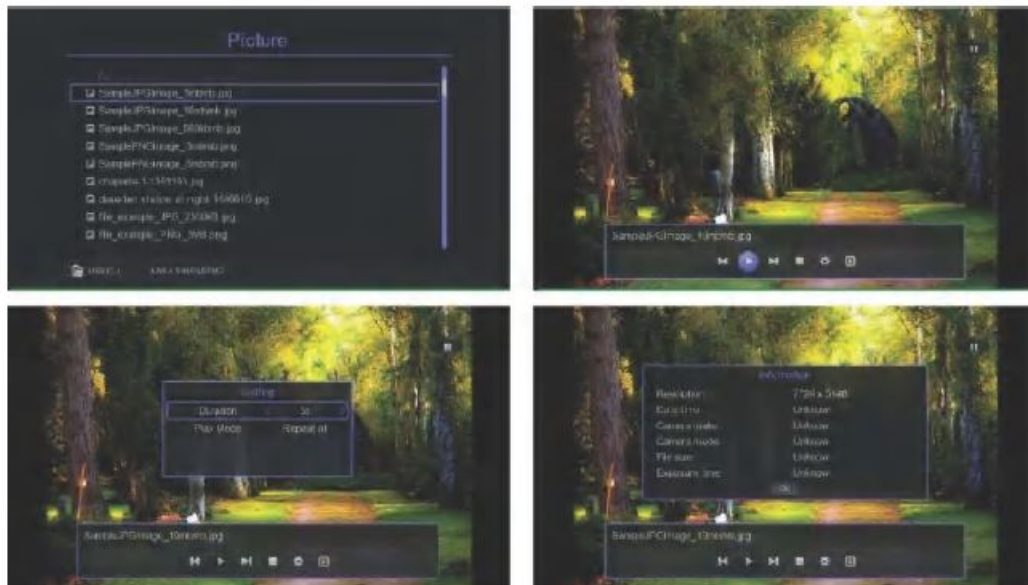
The decoder allows you to open multimedia files of audio, video or image type, present on a USB memory suitably inserted in the slot of the SIDE A (Figure 1) of the device. Although the device can read a significant number of different formats, some may not be supported. Furthermore, it is possible that due to the unsupported




CODECs, some video files may be illegible, despite the format being readable.

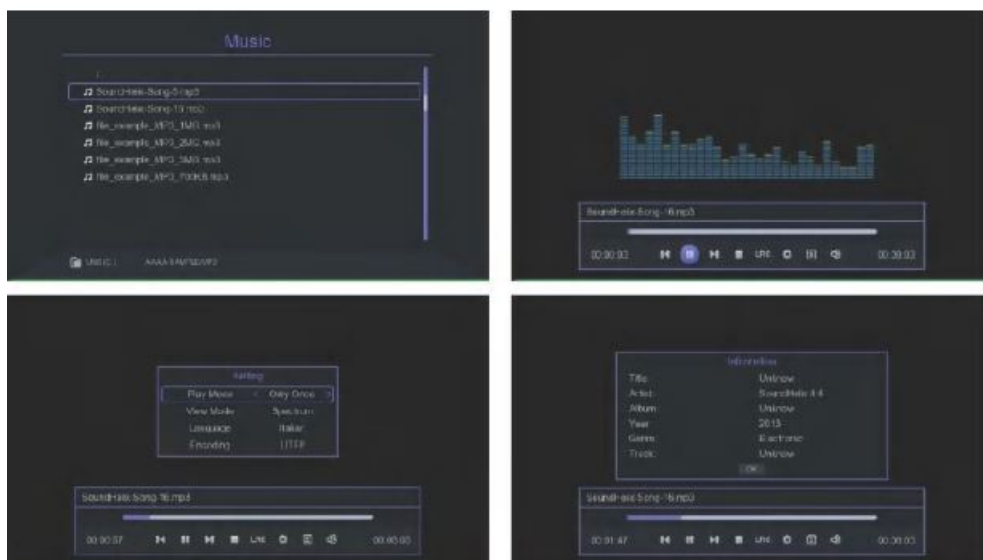
To access the contents of the USB memory, insert the key with the contents to be displayed and press the MENU button on the remote control and reach the USB menu and from there the MEDIA CENTRE submenu.

WARNING: not all storage devices are compatible with the device, the manufacturer is in no way responsible for any damage or loss of data.

To open audio files, access the MEDIA CENTRE menu, select the MUSIC icon with the arrow keys and the OK button on the remote control. The decoder allows you to navigate within the folders contained in the USB key: use the arrow keys to move through the list of folders or files, press OK to open the folder or file chosen; to return to the upper folder using the EXIT button. Using the options of the banner below, which can be accessed by pressing the OK key, you can skip to the next song to the previous one, pause, show the lyrics of the song (if present) LRC, stop playback, choose playback, show information about the file being played and adjust the volume. For some of these options, the corresponding buttons on the remote control can be used.

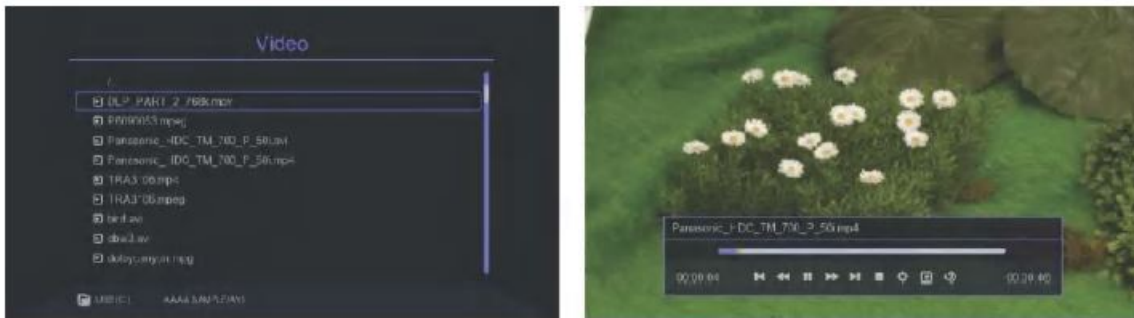


To view an image, access the MEDIA CENTRE menu, and select the PICTURE icon with the arrow keys and the OK button on the remote control. The decoder allows you to navigate within the folders contained in the USB key: use the arrow keys to move through the list of folders or files, press OK to open the folder or file chosen; to return to the upper folder use the EXIT button. The images are displayed individually or sequentially. To activate the sequence view mode select the icon , to stop and exit use. The symbol  allows you to select the display modes; while the symbol  displays the information of the image file. The banner is activated using the OK button on the remote control. For some of these options, the corresponding buttons on the remote control can be used.



To view a movie, access the MEDIA CENTRE menu, select the VIDEO icon with the arrow keys and the OK

button on the remote control. The decoder allows you to navigate within the folders contained in the USB key: use the arrow keys to move through the list of folders or files, press OK to open the folder or file chosen; to return to the upper folder use the EXIT button. Using the options of the banner below, which can be accessed by pressing the OK key, it is possible to skip to the next video, to the previous one, pause, fast forward, fast reverse, stop playback, choose playback modes, show information about the file being played, and adjust the volume. For some of these options the corresponding buttons on the remote control can be used.



Alternatively, to access the contents of the memory, press USB on the remote control, this allows you to view the image, video and audio files.




Program guide

Some broadcasters make available information about their programs. To visualize them press the EG (GUIDE) key on remote control.



It is possible to view the programming of the selected network within 24 hours. From this menu it is also possible to access the Guide of the other channels, by using the arrow keys and selecting the new channel from the list on the left. The information that can be displayed depends on the selected channel. To view the plot of a program, select it using the arrow keys from the list on the right and press OK, a window will appear with the description of the program made available by the television broadcaster. To close it press EXIT.

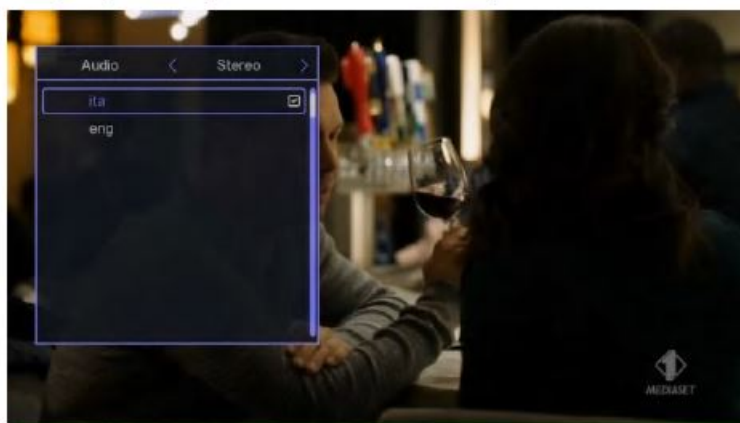
Teletext

Some channels also transmit a text information service (teletext) which can be activated by pressing the TTX key on the remote control (channels broadcasting teletext are marked with the symbol ). By following the indications of the index, you can select the required page. The functionality is not active for all channels.

Multilanguage transmission

If a channel is broadcast in multiple languages, you can select the language in which you want to listen to the

program: press AUDIO, a menu opens in which you can select an alternative language, if any, with the arrow keys and the OK button.



TV and radio channel search

To search for television and radio channels there are two ways, automatic and manual.

Access the SEARCH menu and select AUTO SEARCH the decoder searches for all channels and saves data.

While selecting MANUAL SEARCH it searches for a specific channel.

WARNING: the activation of AUTO SEARCH will delete all previously stored channels, overwriting a new list of channels sorted according to LCN.

The manual search is especially useful for finding a channel that has been deleted. It is necessary to enter the transmission channel of the reference MUX (since it can be found on the network), then press OK and if the channel has been found, it is added to the existing ones.


NOTE: it is also possible to search for free channels only (FTA, Free To Air) by selecting the appropriate option in the SEARCH menu.



Edit Favorite Channel Group Name

It is possible to rename the favorite channel groups. Reach the PROGRAM menu using the MENU button on the remote control and the arrow keys, select CHANNEL EDIT. Or by opening the channel list with the OK button and then typing the YELLOW button. Type 5 on the numeric keypad of the remote control, the fifth icon at the top left (heart,) is highlighted, position with the arrow keys on the chosen channel, press OK, a list of favorite categories will appear to choose from with the arrow keys, confirming with OK the symbol will appear (it is possible to select more than one category for the same channel). To confirm the selections type EXIT, will appear next to the added channel. At the end, press the EXIT button, the system asks you to confirm the action (saving the selections will be effective).

NOTE: To view your favorite channels press FAV on the remote control, the categories containing the favorites will appear, selecting the category with OK, the list of favorite channels for that category will appear. To access it,

press OK. To delete a channel from a list, repeat the above steps, the symbol  will disappear.



By opening the channel list (OK button) it is possible to view your favorite channels divided by category, using the RIGHT / LEFT arrow keys: the category name will appear at the top. Or typing FAV, a category list will appear where the favorites have been saved.

Parental control

Parental Control prevents viewing of unsuitable programs for children, blocking them from viewing unless the correct password is entered.

To activate this function, press the MENU button on the remote control and use the arrow keys to reach the SYSTEM menu, go to PARENTAL GUIDANCE and press OK, the password is required (by default it is 888888). The new screen requires the entry of the minimum age to view the programs using the arrow keys, then press OK to confirm. If a broadcaster reports that a program is forbidden to minors of the age set for viewing, a password is required.



Change password

To change some settings (for example Parental control) you need to enter a password, by default it is 888888, but it may be necessary to change it. To do this, press the MENU key on the remote control, move with the arrow keys to access the SYSTEM menu, click on LOCK CONTROL (the password is required to enter), in the new screen select CHANGE PASSWORD. At this point, three new fields appear to be filled in with the password currently in use (OLD PASSWORD), with the one you want to use from now on (NEW PASSWORD) and with confirmation of the new password (CONFIRM PASSWORD). A password is a 6-digit number, which can be entered with the numeric keypad on the remote control. Keep the password you have just changed carefully; the old password will no longer be usable.

NOTE: if you have forgotten your password, you can use 873543, it cannot be changed.



Restore default settings

If you want to return to the factory settings of the device, press MENU on the remote control, using the arrow keys to access the SYSTEM menu, click on FACTORY RESET, confirming with OK a password is requested

ATTENTION: In this way all the settings created by the user (password, favorite channel list, etc.) will be deleted and the decoder will return to the conditions of first use.

Software update

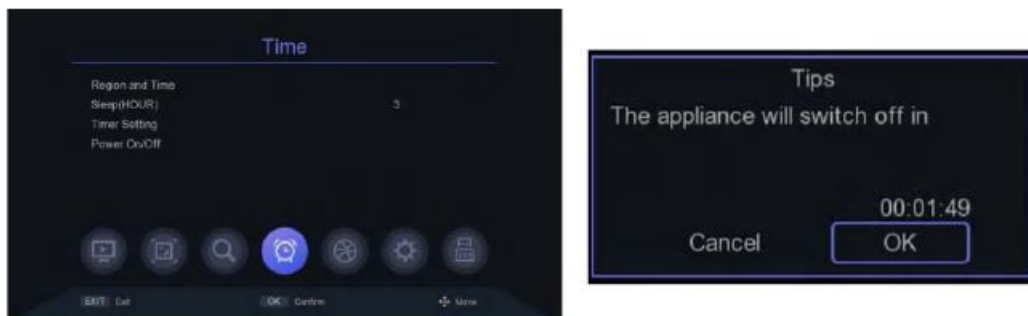
If an update of the device management software is available, it will be possible to install it using a USB key (minimum 2GB).

Once the software has been saved on a USB stick, insert it into the appropriate slot on SIDE A (Figure 1). Access the SYSTEM menu and with the arrow keys click on SOFTWARE UPGRADE, on the new screen press OK again. Select FILE PATH and locate the file to be installed on the key; once this is done, select START and the update will begin.

- **ATTENTION:** do not turn off the device during the update which could take up to a few minutes. The installation of the new software will restore the device to its factory settings (first use condition), any settings made by the user will be deleted (new password, channel tuning).
- **ATTENTION:** with the installation of the new software some features may be different.
- **ATTENTION:** at the end of the installation, it is recommended to proceed with a factory reset (see the chapter Restore default settings).

Energy saving

According to the European Directive, the appliance is equipped with an energy-saving function that turn off the device after 3 hours of inactivity, the shutdown is preceded by a warning message lasting 2 minutes and during which the function can be delayed for another 3 hours. The function only turns off the decoder and not the TV. The period of inactivity can be changed by the user (default is 3 hours): press the MENU button on the remote control, open the TIME menu and select SLEEP (HOUR), using the arrow keys it is possible to prevent the appliance from automatically switching to Standby (OFF) or extend the period of inactivity up to 12 hours (from 1 hour, in 60 minutes steps).



Network App

If the device is connected to the internet via the network cable, it is possible to access some applications such as YouTube, RSS news, Weather and IPTV. The decoder directly accesses the contents of YouTube and presents various options that are quite intuitive. The news application has some preloaded English-language sites to draw from, but you can add other



links. The Weather application shows the weather forecast in the surroundings.

To access the network applications, enter the USB menu and select INTERNET and you will enter the submenu like the one in the figure, where you can select the application you are looking for.

Remote control programming

The supplied remote control can also be used to control another device equipped with an infrared remote control (for example the television).

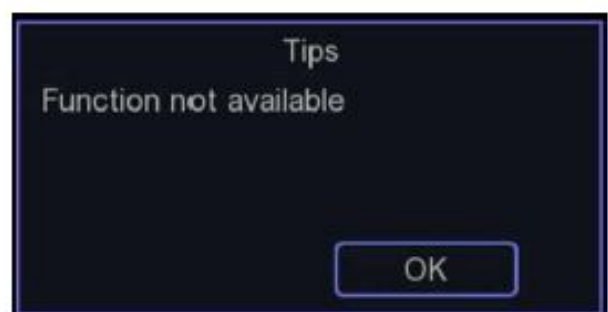
To make the remote control communicate with the TV you need to follow these steps:

1. Position the two remote controls of the decoder and TV facing each other so that the two emitters look at each other without being obstructed
2. Press the SET button for 3 seconds on the remote control until the red LED lights up and stays on.
3. Press the key to be associated on the decoder remote control within 10 seconds.
4. Press the button to be associated on the TV remote control within 3 seconds. If the signal is received by the remote control, the red LED will flash 3 times and then remain on.
5. Press SET to confirm.
6. Repeat these steps for each button on the remote you want to configure

Tips:

- at the end of the programming process, check whether the key has been associated before continuing with the next
- in order to avoid confusion, associate the keys with the same function, for example in point 3 press the ON / OFF key on the remote control of the receiver and in point 4 press the same key on the remote control of the TV,

Attention: it is possible to associate only the buttons of the remote control supplied inside the white rectangle (ON / OFF, TV / AV; VOL + and VOL-). SET function key and cannot be associated.



Functions not available

Some functions may not be available in this case a window like the one shown will appear.

Troubleshooting

There can be different causes for the abnormal operation of the appliance. The receiver may hang, in which case unplug it and wait 30 seconds before reinserting it. If the appliance does not work properly, refer to the following tables for possible solutions.

Problem	Possible cause	Solutions
The front panel display does not turn on	Lack of tension	Make sure the power cord is properly inserted into a powered outlet. Verify that the switch is turned on.
No image or sound	The cables connecting the TV and the decoder are not connected correctly	Check that the output signal cable is well connected (SCART or HDMI). Also check the antenna cable.
	TV mode is incorrect	Make sure you have selected the correct input signal on the TV (SOURCE or INPUT key on the TV remote control).
	Incorrect video definition	Press V-FORMAT on the remote control and select a video resolution that allows correct viewing.
Intermittent picture and audio	Insufficient signal strength	Check that the antenna cable is well connected, and that the quality of the video signal is adequate.
	Electrical interference	Check that the antenna cable is completely shielded.
No audio	The receiver or TV is in silent mode	Disable silent mode using the MUTE button.
	Volume level too low	Check that the volume level of the set-top box and television are adequate.
	Audio CODEC is not supported	While watching multimedia content, audio encoding may not be supported (while video encoding may be) and movies may appear without audio. The file is not completely readable.
	Batteries not inserted	Insert the batteries into the remote control.
	Low battery	Replace the batteries.

Remote control not working	Polarity reversal of batteries	Check that the batteries have been inserted according to their correct polarity, as indicated on the bottom of the battery compartment.
	The remote control is out of its operating range	Approach and point the remote control directly at the appliance.
Media files on the USB stick are not played	The files are not of the supported format	Only some formats are supported
	The compression codec is not supported	Only some codecs are supported

Documents / Resources

	Kingbox DVB-T2 High Definition Digital Terrestrial Receiver [pdf] User Manual DVB-T2, High Definition Digital Terrestrial Receiver, DVB-T2 High Definition Digital Terrestrial Receiver
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