EVOLVEO

HD DVB-T2 H.265/HEVC recorder

GAMMA T2

Front panel

Display

Power indicator

USB port

Remote sensor

Power

Rear panel

Antenna

Digital Audio Output

HDMI Output

TV Scart
for connection to the TV

RF Loop through
for an external device

USB port

DC Power input
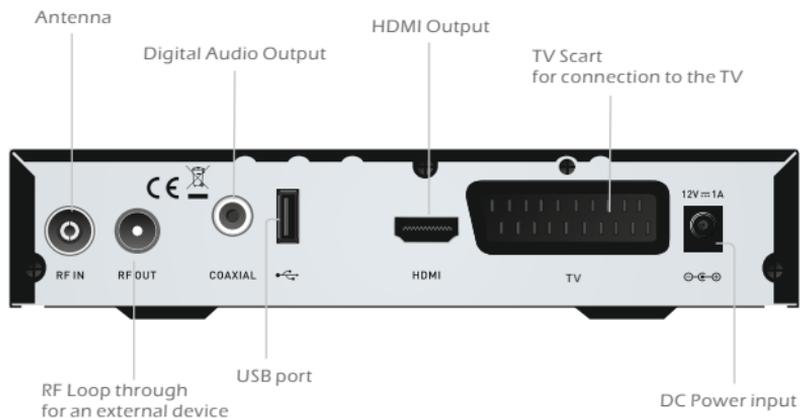
Remote control
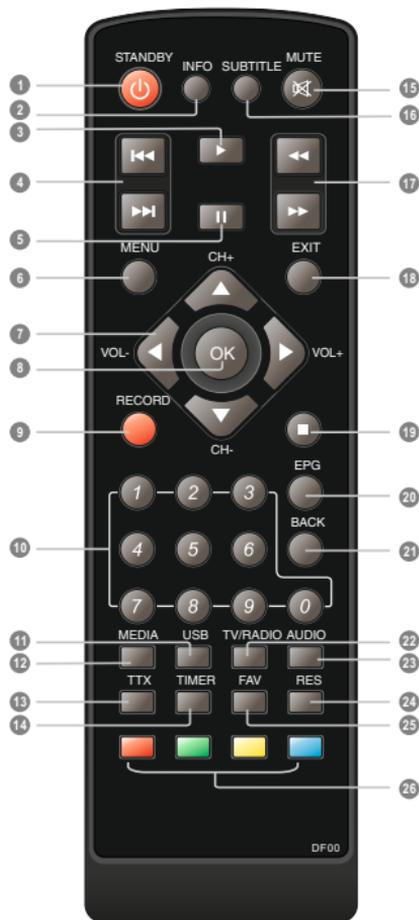
1. STANDBY
   (switch the STB on and standby)

2. INFO
   (Press for current channel information)

3. PLAY

4. Previous/Next

5. PAUSE(Pause/Active timeshift function)

6. Menu
   (Open and close the menu screen)

7. Cursor
   (used to navigate menu's items)

8. OK button
   (Confirm a selection within a menu)

9. RECORD
   (Record the TV program)

10. Numeric entry
    (Enter numeric values and select the channel
    directly by entering it's number)

11. USB
    (Enter the Video menu)

12. MEDIA
    (Enter Record menu)

13. TTX (On/Off teletext)

14. TIMER
    (Enter Timer Setting menu)

15. MUTE (Turn off/on the volume)

16. SUBTITLE (Set up the Subtitle)

17. Search backward/forward

18. EXIT (Exit from menu)

19. STOP
    (Stop program playback or recording)

20. EPG
    (Open up Electronic Program Guide Menu)

21. BACK
    (Switch to previous channel)

22. TV/RADIO
    (Switch between TV and Radio)

23. AUDIO
    (Select audio mode and audio track)

24. RES (Switch HDMI resolution)

25. FAV
    (Open the Favorite list)

26. RED/GREEN/YELLOW/BLUE Buttons
    (For interactive function/Submenu
     function buttons)

There are many different types of TV and other equipment that you can connect to the BOX. In this manual you will see some of the most common ways to connect your equipment.
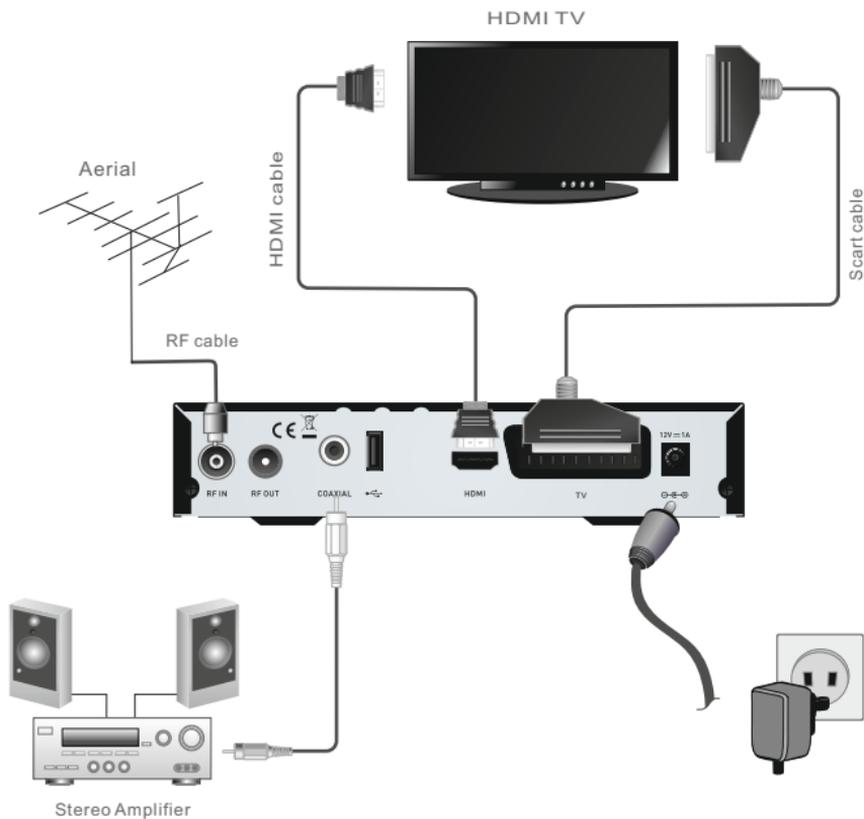
HDMI TV

HDMI cable

Scart cable

Aerial

RF cable

RF IN   RF OUT   COAXIAL   ⋅⋅⋅   HDMI   TV   12V⏤1A   ⊖-⏝-⊕

Stereo Amplifier

GETTING STARTED

Welcome

If you use the STB for the first time, the "Welcome" menu appears.
Press cursor button to setup the "Region", "Language",
"Display Mode", "Aspect Mode".
Highlight "OK" and press the "OK" button to start channel search.

Welcome	
Region	Czech
Language	English
Display Mode	1080i@50HZ
Aspect Mode	16:9 full-screen
New Password	----
Confirm Password	----
OK	
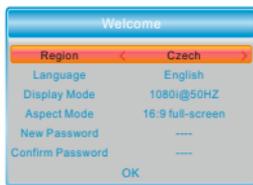
Installation

"Installation" menu allows you to set up channel search and LCN option.

① Press the "MENU" button to enter main menu.
② Press "UP" or "DOWN" button to highlight "Installation", press "RIGHT" button to enter the "Installation" menu.
③ Press "UP" or "DOWN" button to highlight the desired item and press "OK" button to enter the sub-menu .
④ Press "EXIT" button to exit.

Installation
Auto Scan
Channel Scan
LCN

Auto Scan

"Auto Scan" menu allows you to set up automatic channel search.

① Highlight the "Auto Scan", press "OK" button to enter the Auto Scan menu.
② Press the cursor button to set "FTA Only" /" T2 Signal Only".
③ Highlight "Search", press the "OK" button to start channel scan automatically.

Auto Scan	
FTA Only	No
T2 Signal Only	No
Search	
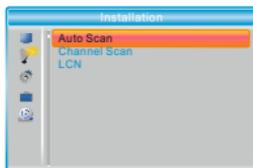
Channel Scan

"Channel Scan" menu allows you to set up manual channel search.

① Highlight "Channel Scan", press the "OK" button to enter the Channel Scan menu.
② Press the cursor button to set Scan mode, Scan Band ,Channel No., Frequency, Bandwidth and Network Search.
③ Highlight "Search", press "OK" button to start channel scan manually.

Channel Scan	
Scan Mode	By Channel
Scan Band	UHF
Channel No.	CH37(666000KHz)
Frequency	666000KHz
Bandwidth	8MHz
Network Search	No
Search	
Signal Intensity	100%
Signal Quality	100%

LCN

This menu allows you to activate/disactivate the LCN function.
If LCN (Logical Channel Number)Select function is activated,You can't change the original number of TV channels by scanning .

OPERATION

Channel List

You can access the Channel list by pressing "OK" button.
Press the cursor buttons to select the channel you want to view.

Accessing the Electronic Program Guide (EPG)

Accessing the EPG of all channels:

① Press the "EPG" button to enter the EPG menu, and a
  preview of your current channel will be displayed in
  the top right corner of the screen.
② Press "UP" or "DOWN" button to select the desired channel,
  Press "LEFT" or "RIGHT" button to select the desired event,
③ Press "GREEN" button to timer the event.
  Press "RED" button to show the "Time bar" menu, you can
  select the way showing time and move time by pressing
  "OK" button.
④ Press the "OK" button to display the information about
  the selected event.
⑤ Press "EXIT" button to back to the previous menu.

  In "Time bar" menu:
  ⌐ Exit time bar.
  ⌐ Back to the current time.
  ◄► Jumps time forward or backward every half an hour.
  ◄◄►► Jumps time forward or backward every 2 hours.
  ◄◄► Jumps time forward or backward every 24 hours.

EDIT CHANNEL

Edit Channel menu

① Press the "MENU" button to enter main menu.
② Press "UP" or "DOWN" button to highlight "Edit Channel", press "RIGHT" button to enter the Edit Channel menu.
③ Press "UP" or "DOWN" button to highlight the desired item and press "OK" button to enter the sub-menu .
④ Press "EXIT" button to exit.

TV / Radio Channel list

Use this menu to set up Favourite, lock, skip, move, sort, delete and rename for the selected TV/Radio channels.

① In the Edit Channel menu, highlight "TV Channel List" or "Radio channel List", press "OK" button to enter TV channel list/Radio Channel list menu.
② Press "UP" or "DOWN" button to highlight the desired channel, press the "OK" button, a preview of the channel will be displayed in the top right corner of the screen.

- Press "FAV" button, then press "OK" button to set the FAV channels.
- Press "Red" button to activate "Lock" function, then press "OK" button, you will be asked to input the password then the selected Channel will be locked.
- Press "Green" button to activate "Skip" function, press "OK" button to skip the desired channel.
- Press "Yellow" button to activate "Move" function, highlight the desired channel and press "OK" button to confirm. Press "UP" or "DOWN" button to select the new position and press "OK" button, the channel will be moved to the new position.
- Press "Blue"button to enter Edit channel sub menu.
- Press "OK" button again to cancel the corresponding function.
- Press "colour" buttons again to exit the corresponding function.

③ Press "Exit" button to save and back to "Edit Channel" menu

Delete All

① In the Edit Channel menu, highlight "Delete All", press "OK" button. You are asked to input a password.
② A warning window appears.
   Select "Yes", press "OK" button to delete all channels.
   Select "No", Press "OK" button to cancel deleting.

SYSTEM SETUP

System setup menu

Many aspects of your STB can be set to reflect your circumstances and preference.

① Press the "MENU" button to enter the main menu.
② Press "UP" or "DOWN" button to highlight "System Setup", press "RIGHT" button to enter the System Setup menu.
③ Press "UP" or "DOWN" button to highlight the desired item and press "OK" button to enter the sub-menu.
④ Press "EXIT" button to exit.

```
           System Setup
   Language
   TV System
   Local Time Setting
   Timer Setting
   Parental Lock
   OSD Setting
   Favorite
   Audio Description Setting
   Other
```

Language

This menu allows you to set Language of system, Audio, Subtitle and Teletext and to set subtitle function.

Subtitle:	Off/Normal/Hard of Hearing
Mp4 Subtitle CodePage:	Windows-1250/ISO8859

```
              Language
   Language              English
   First Audio           Czech
   Second Audio          Czech
   Subtitle Language     Czech
   Teletext              Czech
   Subtitle              Off
   Mp4 Subtitle CodePage Windows-1250
```

TV System

This menu allows you to set Video Resolution, Aspect Mode, Video Out and Digital Audio Out.

Video Resolution:	Set up Various video resolutions.
Aspect Mode:	4:3PS/4:3LB/16:9PB/16:9PS/4:3 full-screen/ 16:9 full-screen
Video Out:	CVBS/RGB
Digital Audio Out:	BS Out/LPCM Out

```
              TV System
   Video Resolution    720p@50HZ
   Aspect Mode         4:3 full-screen
   Video Out           CVBS
   Digital Audio Out   LPCM Out
```
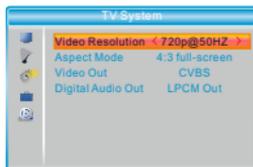
Local Time Setting

This menu allows you to set the region and the local time.

Region:	Use this menu to change the region.
GMT Usage:	Use this menu to open the usage of GMT by Region/User Define. Also to close the usage of GMT.
GMT Offset:	The GMT offset range is "-11:30 ~ +12:00", increasing every half hour progressively. (Only valid in "User Define" mode for GMT Usage.)
Summer Time:	On/Off
Date/Time:	Press numeric button to set the date/time. (Only valid in "Off" mode for GMT Usage.)

```
           Local Time Setting
   Region              United Kingdom
   GMT Usage           By Region
   GMT Offset          GMT+ 00:00
   Summer Time         On
   Date                12/07/2018
   Time                01:51

   Reykjavik,Casablanca,Lisbon,Dublin,London
```

Timer Setting

This menu allows you to set the program timer. You can set 8 timers.

Timer Mode:	Off/Once/Daily/Weekly/Monthly
Timer Service:	Channel/Record
Wakeup Channel:	Set a desired channel as the wakeup channel.
Wakeup Date:	Set Wakeup Date by pressing numeric button.
On Time:	Set On Time by pressing numeric button.
Duration:	Set Duration by pressing numeric button.
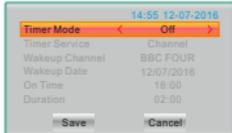
Parental Lock

This menu allows you to lock the menu and the channels, set Rating Lock and change the Password.

① In "System Setup" menu, highlight "parental Lock" and press "OK" button, you are asked to input a password.

② After inputting the correct password by pressing numeric buttons, the parental lock menu appears.

Menu Lock:	To lock the Edit channel/ Installation menu. You can set menu lock to on/off.
Rating Lock:	Off/AGE 4~AGE 18.
New Password:	To change the password.
Confirm Password:	To confirm the new password.

OSD Setting

This menu allows you to set the time of OSD Timeout and OSD Transparency .

OSD Timeout:	1-10
OSD Transparency:	Off/10%/20%/30%/40%.
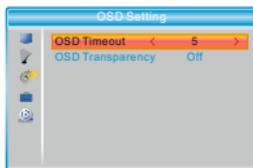
Favorite

This menu allows you to rename the favorite group.

① In "System Setup" menu, highlight "Favorite", press "OK" button to enter Favorite menu.
② Select the favourite group you want to change, press "OK" button to open the mock keypad. Input letter and numeric one by one by pressing the cursor buttons and press "OK" button to select, after finished input, press "Blue" button, you changed Favorite group name successfully.
③ Press "EXIT" button to quit the group rename menu.

Audio Description Setting

This menu allows you to set up Audio Description Setting.

AD Service: On/Off
Use AD as default: On/Off
AD Volume Offset: -3~3
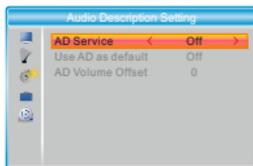
Other

This menu allows you to set Antenna Power, Channel Play Type, Auto Standby and Loopthrough In Standby.

Antenna Power: On (STB will provide 5V power to antenna)
.   Off (STB will not provide 5V power to antenna)
Channel Play Type: All/Free/Scrambled
Auto Standby: 30 Min/1 Hour/2 Hours/3 Hours/Off
Loopthrough In Standby: On/Off

TOOLS

Tools main menu

① Press the "MENU" button to enter main menu.
② Press "UP" or "DOWN" button to highlight "Tools", press "RIGHT" button to enter the Tools menu.
③ Press "UP" or "DOWN" button to highlight the desired item and press "OK" button to enter the sub-menu.
④ Press "EXIT" button to exit.

Information

You will find here important information about the hardware and embedded software.

① In "Tools" menu, highlight "Information", press "OK" button to open information window.

② Press "EXIT" button to exit "Information" menu.

Factory Setting

This menu allows you to re-set the STB back to the factory settings, clear all existed channels.

① In the "Tools" menu, highlight "Factory Setting", press "OK" button.

② A confirmation window is displayed.
   Select "Yes" to return back to factory settings and clear all channels.
   Select "No" to cancel back to factory settings.
③ Press "EXIT" button to exit "Factory Setting" menu.

Software Upgrade

This menu allows you to upgrade software version by USB.

① In the "Tools" menu, highlight "Upgrade by USB", press "OK" button, Software Upgrade menu is shown.

② Press cursor button to select the desired item, then highlight "Start" and press "OK" button to start upgrade.

③ Press "EXIT" button to exit "Upgrade by USB" menu.

Tools

Remove USB device safely

This menu allows you to remove the external USB device safely.

① In "Tools" menu, highlight "Remove USB device safely".
② Press "OK" button to confirm. Then a window is displayed.
   Select "OK" button to remove the USB device.
   Select "Cancel" button to cancel the operation.
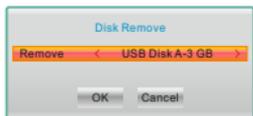
Media Player

Media Player main menu

Ensure to insert an external Mass Storage Device on the USB port.

① Press the "MENU" button to enter main menu.
② Press "UP" or "DOWN" button to highlight "Media Player", press "RIGHT" button to enter the Media Player menu.
③ Press "UP" or "DOWN" button to highlight the desired item and press "OK" button to enter the sub-menu.
④ Press "EXIT" button to exit.

Media Playback

This function allows you to play the media files from the USB HDD.

① In "Media player" menu, highlight "Record", "Video", "Music" or "Image".
② Press "OK" button to enter Media Playback menu.
③ Press "UP" or "DOWN" button to select a desired media file, and press "OK" button to play the files.
④ Press "EXIT" button to exit.

Music:

"RED" button:	Press "RED" button to show Play List.
"GREEN" button:	Move the highlight to the file which you want to add to play list, then press "Green" button to add. It will mark a favorite icon on the file.
"YELLOW" button:	Press "Yellow" button to add all file of current directory to play list. Press again to delete all file of current directory from the play list.
"BLUE" button:	Press "Blue" button to enter to edit sub-menu.
"1" button:	Press to switch TAB between Music/Image/Video/Record.
"2" button:	Press "2" button to open the sort window. You can sort by Name/Time/Size/Favorite.
"INFO" button:	Press "INFO" button to set repeat mode. The option is Repeat Folder/ Random Folder/Repeat One.
"EXIT" button:	Return to the upper directory.

Image:

"RED" button:	Press "Red" button to show play list.
"GREEN" button:	Move the highlight to the file which you want to add to play list, then press "Green" button to add. It will mark a favorite icon on the file.
"YELLOW" button:	Press "Yellow" button to add all file of current directory to play list. Press again to delete all file of current directory from the play list.
"BLUE" button:	Press "Blue" button to enter to edit sub-menu.
"1" button:	Press to switch TAB between Music/Image/Video/Record.
"2" button:	Press "2" button to open the sort window. You can sort by Name/Time/Size/Favorite.
"INFO" button:	Press "INFO" button to open image setup
"3" button:	Press "3" button to view image in multi view mode
"EXIT" button:	Return to the upper directory.

Video:

"BLUE" button:	Press to enter to edit sub-menu for the selected file.
"1" button:	Press to switch TAB between Music/Image/Video/Record.
"2" button:	Press to sort the files of the current directory by Name/Time/Size.
"INFO" button:	Press to set repeat mode (Repeat Folder/Repeat One).
"EXIT" button:	Return to the upper directory.

Record

"RED" button:	Press to Rename the selected recording file.
"GREEN" button:	Press to Lock the selected recording file.(The password is necessary for the operation).
	Press again to unlock the recording file.
"YELLOW" button:	Press to delete the selected recording file.
"1" button:	Press to switch TAB between Music/Image/Video/Record.
"EXIT" button:	Return to the upper directory.

HDD Information

This menu can display some parameters of Removable HDD.

① In "Media Player" menu, highlight "HDD Information", press "OK" button to open HDD information window.

② Press "EXIT" button to exit.

- Format   FAT/NTFS

  Press YELLOW button to open Format menu.
  Press "LEFT" or "RIGHT" button to change Disk Mode.
  Press "OK" button to format. Press "Cancel" button to cancel.

- DVR Set   REC&TMS/Record/Timeshift

  Press BLUE button to open DVR Set menu.
  Press "LEFT" or "RIGHT" button to change DVR Type.
  Press "OK" button to format. Press "Cancel" button to cancel.
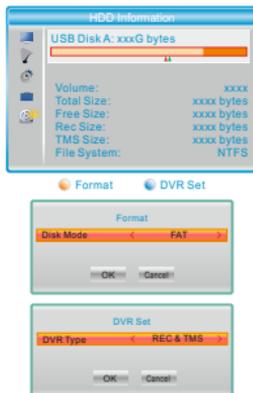
DVR Setting

This menu allows you to set the DVR Settings.

① In "Media Player" menu, highlight "DVR Setting", press "OK" button to enter "DVR Setting" menu.

② Press "UP" or "DOWN" button to highlight the desired item and press "LEFT" or "RIGHT" button to change the setting.

③ Press "EXIT" button to exit.

Timeshift:	Pause/Off/Auto
Jump:	30 sec/1 min/5 min/10 min/15 min/20 min/30 min
After Recording:	Watch TV/Go to Standby-mode

TIMESHIFT/RECORD

Plugging an external Mass Storage Device on the USB port gives you access to Time Shift/Record a broadcast programme.

- Pause a broadcast programme and continue watching it later (Time Shift)
- Record a broadcast programme.
- When the space available on the Mass Storage Device runs out, recording operation of broadcast will stop.

NOTE: Please use USB 2.0 disk when recording or timeshift.
For timeshift and recording feature, you need take bigger size USB driver or HDD (>2GB).

Timeshift

Initiate:

Time Shift can be done in full screen mode by pressing the "PAUSE" button.

- Press "RIGHT" or "LEFT" button to select the time you want to start.
- Press "OK" button to start timeshift playback.
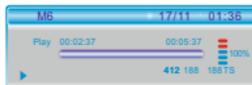
Playback

During the playback, it is possible to perform the following actions :

- Press "PAUSE" button to pause the playback.
- Press "FORWARD" button to fast forward the playback.
- Press "BACKWARD" button to rewind the playback.
- Press "STOP" button to stop TimeShift playback and return to Live programme.

Record

Instant record:

In full screen mode, press "RECORD" button to record the current programme instantaneously.

- Press "RECORD" button again can input duration.
- Press "STOP" button to stop recording, then a confirmation window appears.
- Select "Yes" to stop recording. Select "No" to continue recording.

Timer record

You can enter timer setting menu to set a timer record by EPG or System set up option.

NOTE: This product allows you to record two channels from different frequency at the same time.

TROUBLESHOOTING

In some region, the digital terrestrial signal may be weak. So you'd better use the antenna in which the booster was built, for watching the weak signal channels.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged	Connect the main power cable.
No signal found	1. The antenna is not properly aligned. 2. The signal is too weak.	1. Adjust the direction of the antenna. 2. Get a stronger antenna or antenna amplifier.
Channel search is not working.		Be sure to set the antenna in the player's main menu is correct.
Coded channel alert.	The channel is encoded.	Select alternative channel
No response to remote control	The receiver has no power cord in the socket. The driver is not properly pointing. The front of the player is shaded. The batteries are exhausted.	Plug the main power cord into the socket. Point the driver to the front of the player. Loosen the space in front of the front of the player. Replace the batteries.
No password is listed anywhere.		The default password is always 0000.
There is no sound.	The selected channel has a signal but no sound.	Press the Audio button to make sure the selected channel has sound.
After moving your player to another room, you've found that you no longer receive a digital signal.	By moving, the signal strength received by the player may be reduced.	The antenna cable must ideally have the same length as the previous room, or use an amplifier signal or use a signal amplifier

SPECIFICATIONS

TUNER & CHANNEL	• RF INPUT CONNECTOR x1 (IEC-TYPE, IEC169-2, FEMALE) • RF OUTPUT CONNECTOR x1 (IEC-TYPE, IEC169-2, MALE (LOOPTHROUGH)) • FREQUENCY RANGE: 174MHz~230MHz(VHF) 470MHz ~862MHz (UHF) • SIGNAL LEVEL: -15 ~ -80 dbm
DECODER	
• Video decoder	MPEG-2 MP@HL, AVC/H.264 HP @L4.1 MPEG-4 ASP SUPPORTED,HEVC/H.265 MP@L4.1
• Audio decoder	MPEG-1 Layer 1,2/PCM/HE-AAC V1.0 ICE958 SPDIF/Dolby D+ and Dolby D
• INPUT RATE	MAX. 48Mbit/s
• VIDEO FORMATS	4:3/,16:9 SWITCHABLE
• VIDEO OUTPUT	HDMI, CVBS,RGB
• MODULATION	QPSK,16QAM,64QAM, 256QAM
CONNECTION	
• TUNER	ANTENNA INPUTx1, RF OUTPUT x1
• DATA PORT	USB slot x2
• HDMI	HDMI OUTPUT x1
• SCART	TV OUTPUT x1
• SPDIF	COAXIAL OUTPUT x1
POWER SUPPLY	
• INPUT VOLTAGE	12V ⎓ 1A

CE ☒ **DECLARATION OF CONFORMITY**

Hereby, the company Abacus Electric, s.r.o. declares that the EVOLVEO Gamma T2 is in compliance with the requirements of the standards and regulations, relevant for the given type of device.

Find the complete text of Declaration of Conformity at ftp://ftp.evolveo.com/ce