

Video output mode (TV System) and the Graphics Resolution (Graphic res.)

Read the instructions for your (TV, monitor, etc.).

Ensure that the necessary resolution supported by your hardware.

Usually there is labeling the supported modes such as:



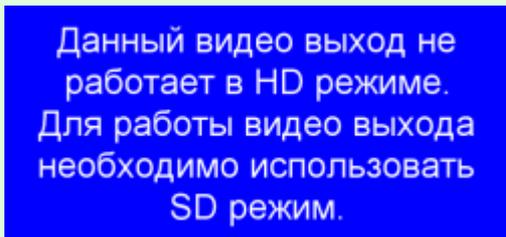
[Information from Wikipedia.](#)

If the instructions or labeling is not required information is available on the website of the manufacturer of your equipment.



After turning STB MAG200/250 mode is set **PAL(576i)** or **NTSC(480i)**, which operate at boot time and menu Bootloader. At this time, the signal is present on all video outputs. When you activate the video output mode **576p,720p,1080i/p**, after loading the basic software, STB switches to HD mode.

When the STB to be in HD mode to SD video outputs for ease of use and more informative provides a warning. The text of this warning in the file `/home/default/SDmsg` in the image of basic software. By default, this text on a blue background:



If you see a warning that:

- Incorrect Video Mode Output
- You do not have switched their (TV, monitor, etc.) to the desired video input (HDMI, Component)
- [How to change "video mode" and "graphical resolution"](#)

TV System

Video output mode for basic software.

The possible values:

PAL (576i)	NTSC (480i)
576p-50	576p-60
720p-50	720p-60
1080i-50	1080i-60
1080p-50	1080p-60

Graphic Res.

Resolution graphics window for the main software.

The possible values:

720 (720×576)
1280 (1280×720)
1920 (1920×1080)
TV System Res

If the set value “Graphic Res.” More than the permissible resolution video output, the graphics window to set the most appropriate resolution.

If the value is “TV System Res.”, Then use the appropriate resolution of the current mode of video output.

For example:

If you select the video output mode (*TV System*) **1080i-50**, the video will be played with a resolution of **1920×1080**, and graphics (*Graphic Res. - the menu graphic resolution*) can be drawn with a resolution of (**720×576, 1280×720, 1920×1080**) that is, you can choose any resolution for the graphics menu, but lower resolution than the video output will be scaled to the resolution of video output. If the menu item “*Graphic Res*” is set to “*TV System Res.*”, It will use the resolution that corresponds to the current mode of video output, that is **1920×1080**.



A typical variant: If you select the video output “*TV System*” - **1080i-50**, and the graphic resolution “*Graphic Res*” - **720×576**, the video will be played at the highest possible quality, and the graphics scale. That **reduces the load** and **improve performance**.

The possible values:

TV System	Video Resolution	Graphic Resolution
1080i/p-50/60	1920×1080	1920×180, 1280×720, 720×576
720p-50/60	1280×720	1280×720, 720×576

TV System	Video Resolution	Graphic Resolution
576p-50/60	1024×576	720×576
PAL (576i)	720×576	720×576
NTSC (480i)	720×480	720×480

How to change "video mode" and "graphical resolution"

From the menu BIOS MAG-200/250

- **Enter the BIOS(bootloader menu)**
- **"Upgrade Menu"** press the right. **If there is no such step then go to the next one (This step can be absent if the second Bootloader turned off or not installed).**
- Section **"TV System"** by pressing the right to set the desired value
- Section **"Graphic Res."** by pressing the right to set the desired value
- Go to **"Exit & Save"**
- Section **"Exit & Save"** press the right
- Confirm **"OK"**

If there is no image on the screen maybe your TV **doesn't support PAL** system.

If there is no image then complete next steps:

- Unplug power of STB
- Press and hold **"Menu"** button on RC (direct your RC to STB)
- Plug power on STB with holding **"Menu"** button
- Hold **"Menu"** button during 10 seconds.
- Switch **PAL - NTSC** with single press on **red button "F1"** on RC.

In the internal Portal

- Click **"Setup"**, **"Services"** or **"SET"** on the remote control (Depends on the version the remote control)
- Go to the **"Video Settings"**
- **"Video output mode"** by pressing the left or right to set the desired value
- **"Graphic resolution"** by pressing the left or right to set the desired value
- Confirm **"OK"**
- Select **"Reboot"**
- Confirm **"OK"**

Connecting the HDMI-DVI

To connect the STB MAG-200/250 to the device with **DVI** interface, you must enable **"Force DVI"** in **"System settings"** in internal portal.

- **"System settings"** - Press the **«Setup»**, **«Services»** or **«SET»** on the remote control

(Depends on the version the remote control)

- **“Video”**
- **“Force DVI”** - pressing the right set **“On”**.
- Confirm by pressing the **“OK”**



Attention. When you connect to the device with **HDMI** interface, this setting must be turned off!

From:
<https://docs.infomir.com.ua/> -

Permanent link:
https://docs.infomir.com.ua/doku.php?id=en:stb_webkit:faq:graphic_res_and_tv_system

Last update: **2019/05/17 11:23**

