How make firmware image MAG-200/250

Имя	Возможные значения	Описание	Примечание
bg_color	RGB value is a 4-byte Long Integer in the format (0x00RRGGBB)	The background color of the bootloader	Color Codes, ColorCodeHex
fg_color	RGB value is a 4-byte Long Integer in the format (0x00RRGGBB)	The font color of the bootloader	Color Codes, ColorCodeHex
language	ru, en, de	language of the main menu interface	de - starting from software version 0.2.16
upnp_conf	lan, wlan, off	UPnP client startup mode	
timezone_conf	List of Supported Timezones	Sets the time zone	
ntpurl	pool.ntp.org	URL time server (IP, Domain Name)	
audio_initial_volume	0-100	Initial volume level when start STB	
bootTVsystem	PAL, NTSC	Video output mode to display the bootloader	
tvsystem	PAL, 576p-50, 720p-50, 1080i-50, 1080p-50, NTSC, 576p-60, 720p-60, 1080i-60, 1080p-60	Sets the video output mode	
graphicres	tvsystem_res, 720, 1280, 1920	Sets the graphics resolution	
input_buffer_size	0-20000	Sets the value stream buffering (ms)	
auto_framerate	50_60, 24_50_60, 24_50, 24_60, disabled	Sets the autofarmerate mode	Only for HD mode (720p, 1080i/p)
portal1		URL of external portal1	
portal2		URL of external portal2	
custom_url_hider	true, false	Hides/displays the input fields Portal 1 and Portal 2 in the "System settings" ⇒ "Servers"	Starting from software version 0.2.16.
update_url	http://example.com/imageupdate	URL of fimware image for update	Update firmware from the "System Settings"

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autoupdateURL	http://example.com/update_list.txt	URL for automatic update module	Automatic update firmware (Default: updating on firmware of manufacturer).Update firmware from "Settings" in main menu of inner portal Autoupdate module description
autoupdate_cond	0, 1, 2 (0 - enable, 1 - with confirmation, 2 - disable)		Recommended to turn off autoupdate function in cutomized firmware version for not updating in manufacturer standard firmware versions.
betaupdate_cond	0, 1 (0 - disable, 1 - enable)	Automatic update firmware on the beta-versions (updating on firmware of manufacturer)	If the variable **autoupdate_cond**=2 (disabled) then updating to beta firmware versions will be turned off
force_dvi	0, 1 (0 - disable, 1 - enable)	Enable the DVI mode via HDMI	Attention! When enable this mode the sound not output from HDMI

For view other variables value and name you can be using built-in utility **fw_printenv** directly in **STB**.

Utility is described in Operator guide Section: Utilities description, page 27.

For example:

- Change/Set in the internal/external portal, using STB menu, necessary configuration/option;
- Connect to **STB** via **SSH** (default login: **root**, pswd: **930920**) and perform:

```
fw_printenv
```

- The last changed variable will be in the end of list.