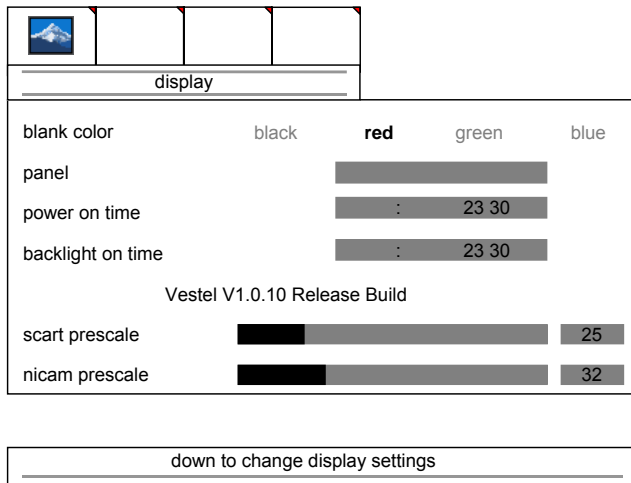# 14. SERVICE MENU SETTINGS

All system, geometry and white balance alignments are performed in production service mode. Before starting the production mode alignments, make sure that all manual adjustments are done correctly. To start production mode alignments enter the MENU by pressing "**MENU**" button and then press the digits 4, 7, 2 and 5 respectively. The following menu appears on the screen.
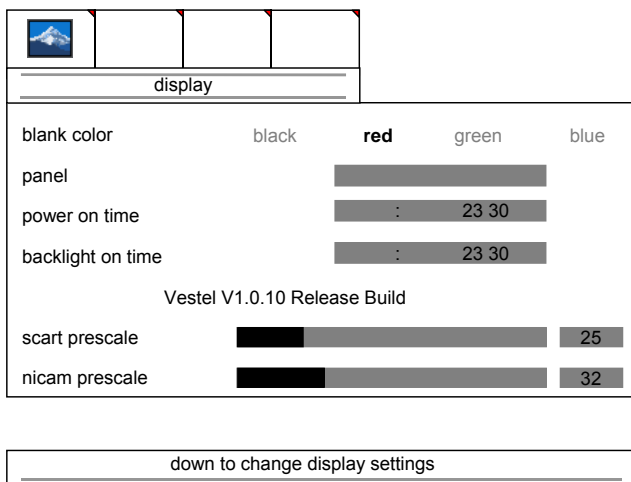
🏔️			

display

blank color	black	**red**	green	blue
panel				
power on time		:	23 30	
backlight on time		:	23 30	

Vestel V1.0.10 Release Build

scart prescale		25
nicam prescale		32

down to change display settings

There are 4 submenus in service menu. These are **display**, **calibration, deinterlacer** and **factory settings** menus. Press "◄/►" buttons to select a menu title and then "▲/▼" buttons to select a menu item and "◄/►" or "**OK**" buttons to set the menu item to the desired option. To exit the service menu press "**MENU**" button.

Entire service menu parameters of Plasma TV are listed below.

14.1. display menu

By pressing "◄/►" buttons select the first icon. **display** menu appears on the screen.

🏔️			

display

blank color	black	**red**	green	blue
panel				
power on time		:	23 30	
backlight on time		:	23 30	

Vestel V1.0.10 Release Build

scart prescale		25
nicam prescale		32

down to change display settings

blank color
By pressing ▲/▼ button, select **blank color**. Press ◄/► button to set the blank color. The options are: **black**, **red**, **green** and **blue**.

panel
Displays panel resolution.

power on time
Displays total working time of the set.
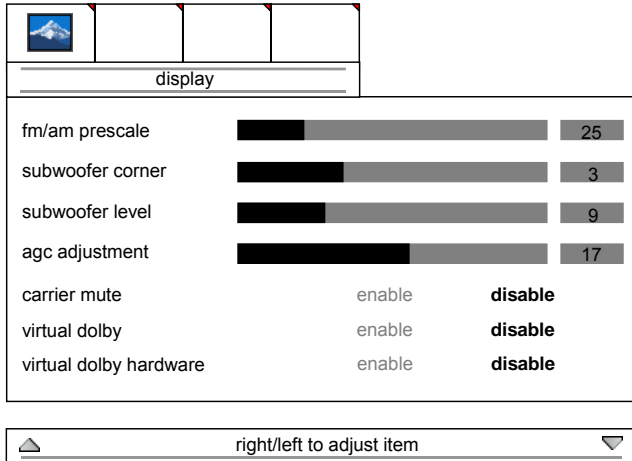
backlight on time
Displays total backlight on time of the set. (Not used for plasma displays)

scart prescale

By pressing ▲/▼ button, select **scart prescaler**. Press ◄/► button to set the scart prescaler. Scart prescale can be adjusted between 0 and 127.

nicam prescale

By pressing ▲/▼ button, select **nicam prescaler**. Press ◄/► button to set the nicam prescaler. Nicam prescale can be adjusted between 0 and 127.

display		
fm/am prescale		25
subwoofer corner		3
subwoofer level		9
agc adjustment		17
carrier mute	enable	**disable**
virtual dolby	enable	**disable**
virtual dolby hardware	enable	**disable**

△	right/left to adjust item	▽

fm/am prescale

By pressing ▲/▼ button, select **fm/am prescaler**. Press ◄/► button to set the fm/am prescaler. Fm/am prescale can be adjusted between 0 and 127.

subwoofer corner

By pressing ▲/▼ button, select **subwoofer corner**. Press ◄/► button to set the subwoofer corner. Subwoofer corner can be adjusted between 0 and 7.

subwoofer level

By pressing ▲/▼ button, select **subwoofer level**. Press ◄/► button to set the subwoofer level. Subwoofer level can be adjusted between 0 and 32.

agc adjustment

Adjustment for automatic gain control of tuner. By pressing ▲/▼ button, select **agc adjustment**. Press ◄/► button to set the agc adjustment. Agc adjustment can be adjusted between 0 and 31.

carrier mute

By pressing ▲/▼ button, select **carrier mute**. Press ◄/► button to enable or disable the sound carrier mute feature.

virtual dolby

By pressing ▲/▼ button, select **virtual dolby**. Press ◄/► button to enable or disable the virtual dolby feature in the audio menu of the TV.

virtual dolby hardware

By pressing ▲/▼ button, select **virtual dolby hardware**. Press ◄/► button to enable or disable the virtual dolby hardware feature of the TV.

14.2. calibration menu

By pressing "◄/►" buttons select the second icon. **calibration** menu appears on the screen.

calibration				
initial APS		on	**off**	
burn-in mode		on	**off**	
color temp	5500K	**6500K**	7500K	9300K	user
R				
G				
B				
video format		auto		

down to change cal. settings, scrolling menu

initial APS
By pressing ▲/▼ button, select **initial APS**. Initial APS can be selected **on** or **off**. If initial aps is switched on, then the TV will display initial APS menu only for the first time it is switched on.

burn-in mode
By pressing ▲/▼ button, select **burn-in mode**. Press ◄/► button to set it on or off.

color temp
By pressing ▲/▼ button, select **color temp**. Press ◄/► button to set the color temperature. The options are: **5500K**, **6500K**, **7500K**, **9300K** and **user**.

R/G/B
If **color temp** is set as "user", then R/G/B settings can be adjusted. By pressing ▲/▼ button, select **Red, Green** or **Blue**. Press ► button to increase the color value. Press ◄ button to decrease the color value. R/G/B values can be adjusted between 0 and 63.

video format
By pressing ▲/▼ button, select **video format**. Press ◄/► button to set the video format. The options are: **auto**, **ntsc**, **pal**, **secam** and **ntsc japan**.

calibration			
colorspace		RGB	
test pattern	**none**	solid color	vert bars
color components	**all**	red	green	blue
solid field level			33
factory reset		<ok> to activate	
main tuner		Tuner 1	
pip tuner		Tuner 1	
teletext language		on	**off**

right/left to adjust item

color space
Displays the current color space used. **RGB**, **YPbPr SMPTE240**, **YPbPr REC709** and **YCbCr REC601**.

test pattern
By pressing ▲/▼ button, select **test pattern**. Press ◄/► button to set the test pattern. The options are: **none**, **solid color** and **vert bars**.

color components
By pressing ▲/▼ button, select **color components**. Press ◄/► button to set the color components. The options are: **all**, **red**, **green** and **blue**.

solid field level
By pressing ▲/▼ button, select **solid field level**. Press ► button to increase or ◄ button to decrease the solid field level. Solid field level can be adjusted between 0 and 64.

factory reset
By pressing ▲/▼ button, select **factory reset**. Press "**OK**" button to return to the factory setting values.

main tuner
By pressing ▲/▼ button, select **main tuner**. Press ◄/► button to set a tuner as main tuner.
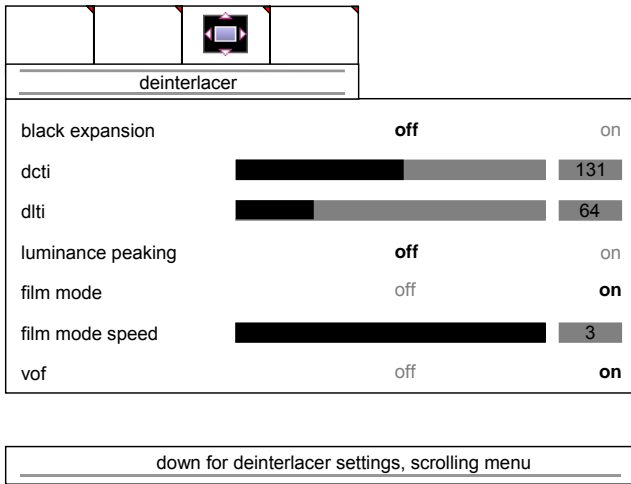
pip tuner
By pressing ▲/▼ button, select **pip tuner**. Press ◄/► button to set a tuner as pip tuner.

teletext language
By pressing ▲/▼ button, select **teletext language**. Press ◄/► button to set it on or off. When it is turned on, the teletext language option can be seen in the TV menu.

14.3. deinterlacer menu

By pressing "◄/►" buttons select the third icon. **deinterlacer** menu appears on the screen.

deinterlacer		
black expansion	**off**	on
dcti		131
dlti		64
luminance peaking	**off**	on
film mode	off	**on**
film mode speed		3
vof	off	**on**

down for deinterlacer settings, scrolling menu

black expansion

By pressing ▲/▼ button, select **black expansion**. Black expantion can be set to **on** or **off** by pressing ◄/► button.

dcti

Digital colour transition improvement: By pressing ▲/▼ button, select **dcti**. DCTI can be adjusted between **0** and **255** by pressing ◄/► button.
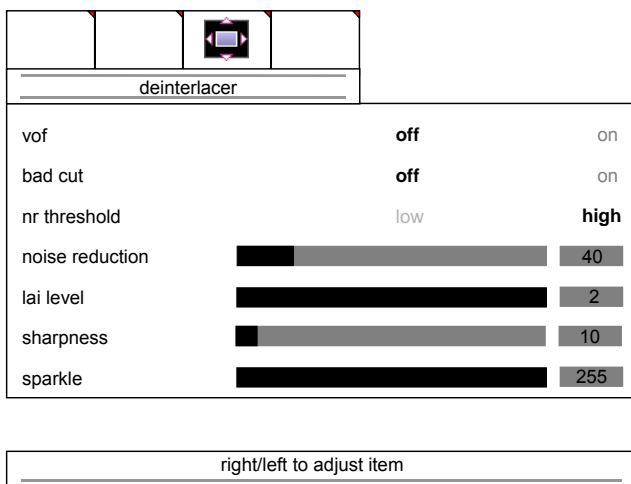
dlti

Digitial luma transition improvement: By pressing ▲/▼ button, select **dlti**. DLTI can be adjusted between **0** and **255** by pressing ◄/► button.

luminance peaking

By pressing ▲/▼ button, select **luminance peaking**. Luminance peaking can be set to **on** or **off** by pressing ◄/► button.

film mode

By pressing ▲/▼ button, select **film mode**. Film mode speed can be set to **on** or **off** by pressing ◄/► button.

deinterlacer		
vof	**off**	on
bad cut	**off**	on
nr threshold	low	**high**
noise reduction		40
lai level		2
sharpness		10
sparkle		255

right/left to adjust item

film mode speed

By pressing ▲/▼ button, select **film mode speed**. Film mode speed can be set to **0**, **1**, **2** or **3** by pressing ◄/► button.

vof

video on film. By pressing ▲/▼ button, select **vof**. VOF can be set to **on** or **off** by pressing ◄/► button.

bad cut

By pressing ▲/▼ button, select **vof**. Bad cut can be set to **on** or **off** by pressing ◄/► button.

nr threshold

By pressing ▲/▼ button, select **nr threshold**. Nr threshold can be set to **low** or **high** by pressing ◄/► button.

noise reduction

By pressing ▲/▼ button, select **noise reduction**. Noise reduction can be adjusted between **0** and **255** by pressing ◄/► button.

lai level

By pressing ▲/▼ button, select **lai level**. Lai level can be set to **0**, **1** or **2** by pressing ◄/► button.
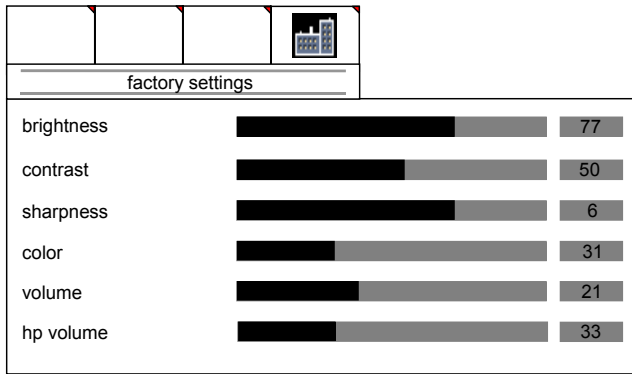
sharpness

By pressing ▲/▼ button, select **sharpness**. Sharpness can be adjusted between **0** and **255** by pressing ◄/► button.

sparkle

By pressing ▲/▼ button, select **sparkle**. Sparkle can be adjusted between **0** and **255** by pressing ◄/► button.

14.4. factory settings menu

By pressing "◄/►" buttons select the fourth icon. **Factory settings** menu appears on the screen.

factory settings

brightness		77
contrast		50
sharpness		6
color		31
volume		21
hp volume		33

down to change factory settings

Brightness, contrast, sharpness, color, volume and **headphone volume** factory settings can be seen in this menu. When factory reset is selected in the calibration menu, the values in the factory settings menu will be seen in the TV menus.