

1 Input Select

In the “Input Select” menu the sources for the “Main Picture Channel” can be selected.

1.1 Input Select - Main Picture Channel



For the “Main Picture Channel” every possible input source can be selected (VGA, Component, DVI, S-Video, Composite Video, Tuner).

figure 2:

1.2 Input Select - Scan Inputs



When “Scan inputs” is switched on the system is continuously monitoring all inputs for input signals. The “Main Picture Channel” will be switched to the input that is active at first.

figure 3: Input Select - Scan Inputs

1.3 Input Select - PIP Mode



figure 4: Input Select - PIP Mode

When the "PIP Mode" is activated all options for the "PIP" are available in the menu. There are 2 possible settings for the "PIP". When the "Picture in Picture"-Mode is selected the "PIP"-video signal will be shown in a window. When "Side by Side" is selected the "Main Picture Channel" and the "PIP Channel" are shown side by side in the same fixed size.

1.4 Input Select - PIP Channel



figure 5: Input Select - PIP Channel

For the "PIP Channel" any video source, except the video source that is selected for the "Main Picture Channel", can be selected.

1.5 Input Select - PIP Size



figure 6: Input Select - PIP Size

Three different window sizes for the "PIP Mode" can be selected (small, medium and large).

1.6 Input Select - PIP hor. Position



The horizontal position of the “PIP” can be set from 0 (left margin) to 100 (right margin).

figure 7: Input Select - PIP hor. Position

1.7 Input Select - PIP ver. Position



The vertical position of the “PIP” can be set from 0 (upper margin) to 100 (bottom margin).

figure 8: Input Select - PIP ver. Position

1.8 Input Select - Swap Main & PIP



By pressing “Swap Main & PIP” the input signals for the “Main Picture Channel” and the “PIP Channel” are switched.

figure 9: Input Select - Swap Main & PIP

2 Image Adjustments

In this section several adjustments of the image position and timing for the “Main Picture Channel” can be made. The settings made in this section don’t affect the “PIP”.

2.1 Image Adjustments - Auto Adjust



When the “Auto Adjust” function is selected the system tries to adjust the image (clock, phase, bandwidth and position) automatically.

figure 10: Image Adjustments - Auto Adjust

2.2 Image Adjustments - Clock



The pixel clock for the “Main Picture Channel” is set here.

figure 11: Image Adjustments - Clock

2.3 Image Adjustments - Phase



The phase of the display can be set for the “Main Picture Channel” here.

figure 12: Image Adjustments -Phase

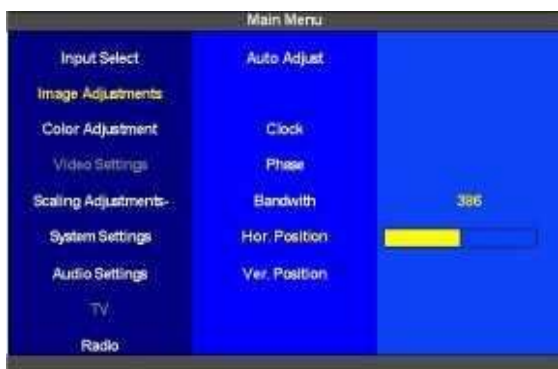
2.4 Image Adjustments - Bandwith



The bandwith of the display can be set for the “Main Picture Channel” here.

figure 13: Image Adjustments -Bandwith

2.5 Image Adjustments - Hor. Position



The “horizontal Position” of the picture can be set for the “Main Picture Channel” here.

figure 14: Image Adjustments –Hor. Position

2.6 Image Adjustments - Ver. Position



The “vertical Position” of the picture can be set for the “Main Picture Channel” here.

figure 15: Image Adjustments –Ver. Position

3 Color Adjustment

In this section the color of the picture can be optimized for the “Main Picture Channel”. The settings made in this section don’t affect the “PIP” This section is also only available when VGA is selected as “Main Picture Channel”

3.1 Color Adjustment – Brightness



The “Brightness” can be set from 0 (dark) to 100 (light) for the “Main Picture Channel”. The default value is 50.

figure 16: Color Adjustment - Brightness

3.2 Color Adjustment – Contrast



The contrast level for the “Main Picture Channel” is set here. The range of adjustment is 0 (very low contrast) to 100 (very high contrast). The default value is 50.

figure 17: Color Adjustment - Contrast

3.3 Color Adjustment – Saturation



The color saturation level for the “Main Picture Channel” is set here. The range of adjustment is 0 (low color saturation) to 100 (high color saturation). The default value is 50.

figure 18: Color Adjustment - Saturation

3.4 Color Adjustment – Hue



The hue level for the “Main Picture Channel” is set here. The range of adjustment is 0-100. The default value is 50.

figure 19: Color Adjustment - Hue

3.5 Color Adjustment – Fleshtone



figure 20: Color Adjustment - Fleshtone

The “Fleshtone” for the “Main Picture Channel” can be selected here. The range of adjustment is 0 to 3. The default value is 0.

3.6 Color Adjustment – Backlight



figure 21: Color Adjustment - Backlight

The backlight brightness for the “Main Picture Channel” is set here. The range of adjustment is 0 (bright backlight) to 100 (dark backlight). The default value is 25.

3.7 Color Adjustment - Auto Color Adjust



figure 22: Color Adjustment – Auto Color Adjustment

The “Auto Color Adjust” function automatically adjusts the colors for the “Main Picture Channel”.

4 Advanced Color Adjustment



The “Advanced Color Adjustment” comprises gamma, color space and the color temperature settings. The rates for the 3 fundamental colors can also be set within the “Advanced Color Adjustment”-menu. The “Advanced Color Adjustment” only effects the “Main Picture Channel”.

figure 23: Color Adjustment – Advanced

4.1 Color Adjustment – Advanced – Gamma



The gamma correction for the “Main Picture Channel” is set here. It can be turned of (default) or set from 1.8 (bright) to 2.6 (darker) in 0.2 steps.

figure 24: Color Adjustment – Advanced - Gamma

4.2 Color Adjustment – Advanced –Color Space



This section is implemented to select the correct “Color Space” for the “Main Picture Channel” (RGB, YUV or YPbPr).

figure 25: Color Adjustment – Advanced – Color Space

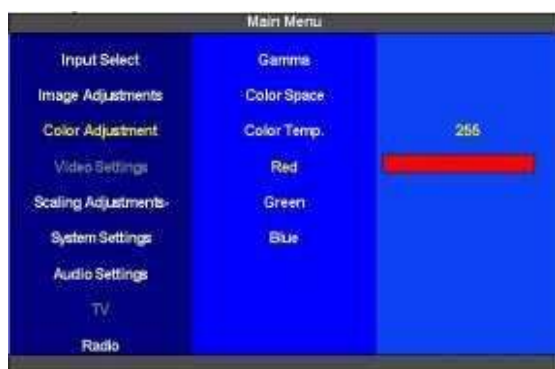
4.3 Color Adjustment – Advanced – Color Temp.



To adjust the “Color Temperature” 6 different values can be selected for the “Main Picture Channel”(4200K, 5000K, 5400K, 6500K, 7500K, 9300K). When the “Color Temperature” is set to “User” the color temperature is adjusted by the 3 fundamental colors.

figure 26: Color Adjustment – Advanced – Color Temp.

4.4 Color Adjustment – Advanced – Red



The rate of red for the “Main Picture Channel” is set here. The range of adjustment is 0 to 255. The default value is 255.

figure 27: Color Adjustment – Advanced - Red

4.5 Color Adjustment – Advanced – Green



The rate of green for the “Main Picture Channel” is set here. The range of adjustment is 0 to 255. The default value is 255.

figure 28: Color Adjustment – Advanced - Green

4.6 Color Adjustment – Advanced – Blue



The rate of red for the “Main Picture Channel” is set here. The range of adjustment is 0 to 255. The default value is 255.

figure 29: Color Adjustment – Advanced - Blue

5 Video Settings

The “Video Settings” are available when a video source is selected as “Main Picture Channel” (S-Video, Composite Video or TV-Tuner).

5.1 Video Settings – Motion Processing



The type of “Motion Processing” is defined here. When “Motion Processing” is set to 0 it is switched off. The default value is 3.

figure 30: Video Settings – Motion Processing

5.2 Video Settings – Sharpness



The "Sharpness" of the video signal is set here. The range of adjustment is -15 to 29. The default value is 0.

figure 31: Video Settings – Sharpness

5.3 Video Settings – Film Mode



The "Film Mode" can be switched on or off here. As default the film mode is turned on.

figure 32: Video Settings – Film Mode

5.4 Video Settings – Noise Reduction



The level of "Noise Reduction" is set here. The range of adjustment is 0 to 6. The default value is 2.

figure 33: Video Settings – Noise Reduction

5.5 Video Settings – Mpeg Processing



The level for the “Mpeg Processing” is set here. The range of adjustment is 0 to 15. The default value is 0.

figure 34: Video Settings – Mpeg Processing

6 Video Settings – Decoder Settings



In this section several settings for the “Video Decoder” can be set.

figure 35: Video Settings – Decoder Settings

6.1 Decoder Settings – Video Brightness



The level for the “Video Brightness” is set here. The range of adjustment is 0 to 100. The default value is 50.

figure 36: Decoder Settings – Video Brightness

6.2 Decoder Settings – Video Contrast



figure 37: Decoder Settings – Video Contrast

The level for the “Video Contrast” is set here. The range of adjustment is 0 to 100. The default value is 50.

6.3 Decoder Settings – Video Saturation



figure 38: Decoder Settings – Video Saturation

The level for the “Video Saturation” is set here. The range of adjustment is 0 to 100. The default value is 50.

6.4 Decoder Settings – Video Hue

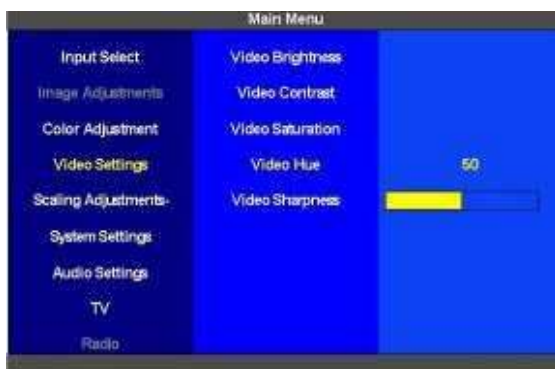


figure 39: Decoder Settings – Video Hue

The level for the “Video Hue” is set here. The range of adjustment is 0 to 100. The default value is 50

6.5 Decoder Settings – Video Sharpness

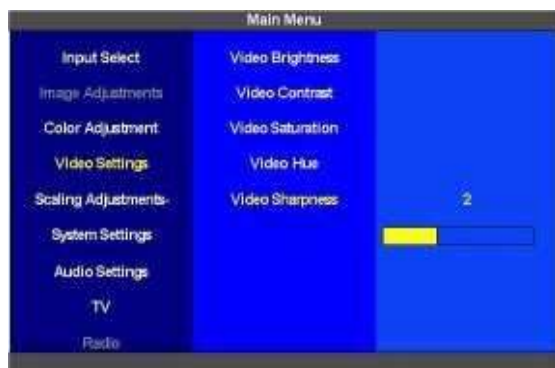


figure 40: Decoder Settings – Video Sharpness

The level for the “Video Sharpness” is set here. The range of adjustment is 0 to 7. The default value is 0.

7 Video Settings – CRTtoLCD7 multimedia

7.1 Video Settings – Motion Processing (CRTtoLCD7 multimedia)



figure 41: Video Settings – Motion Processing (CRTtoLCD7 multimedia)

The “Motion Processing” mode is set here. The user has the choice between “Full Motion Processing”, “Adaptive Motion Processing” or “No Motion Processing”. As default the “Motion Processing” is turned to “Adaptive Motion Processing”.

7.2 Video Settings – Film Mode (CRTtoLCD7 multimedia)



figure 42: Video Settings – Film Mode (CRTtoLCD7 multimedia)

The “Film Mode” is set here. The “Film Mode” can be switched on or off here. As default the Film Mode is turned off.

7.3 Video Settings – Enhancer (CRTtoLCD7 multimedia)



The “Enhancer” is configured here. It can be switched either on or off. As default the “Enhancer” is turned on.

figure 43: Video Settings – Enhancer (CRTtoLCD7 multimedia)

7.4 Video Settings – Sharpness (CRTtoLCD7 multimedia)



The level for the “Sharpness” is set here. The range of adjustment is 0 to 50. The default value is 20.

figure 44: Video Settings – Sharpness (CRTtoLCD7 multimedia)

7.5 Video Settings – Cross Color (CRTtoLCD7 multimedia)



The “Cross Color” is set here. It can be switched on or off. As default “Cross Color” is turned on.

figure 45: Video Settings – Cross Color (CRTtoLCD7 multimedia)

7.6 Video Settings – Noise Reduction (CRTtoLCD7 multimedia)



The level for the “Noise Reduction” is set here. Three different levels of “Noise Reduction” can be selected (Low, Medium, High) or it can be set to automatic “Noise Reduction”. The default value is “Auto”.

figure 46: Video Settings – Noise Reduction (CRTtoLCD7 multimedia)

7.7 Video Settings – Decoder Settings (CRTtoLCD7 multimedia)

The “Decoder Settings” for the multimedia version of the CRTtoLCD7 are the same as shown in chapter 5.7.

7.8 Video Settings – Ext. Deinterlacer (CRTtoLCD7 multimedia)



The “External Deinterlacer” is set here. It can be switched either on or off. As default the “External Deinterlacer” is turned “On”.

figure 47: Video Settings – Ext. Deinterlacer (CRTtoLCD7 multimedia)

8 Scaling Adjustment

In this section the picture of the “Main Picture Channel” can be scaled.

8.1 Scaling Adjustment – Scaling Mode



figure 48: Scaling Adjustment – Scaling Mode

The “Scaling Mode” for the “Main Picture Channel” is set here. As default the “Main Picture Channel” is set to “Expand”. There are three more possible settings for the “Main Picture Channel”. The picture can be set to “Stretch”, “Aspect” or “1:1”.

8.2 Scaling Adjustment – Picture Flip



figure 49: Scaling Adjustment – Picture Flip

In this section the picture of the “Main Picture Channel” can be mirrored horizontal or vertical.

8.3 Scaling Adjustment – Zoom

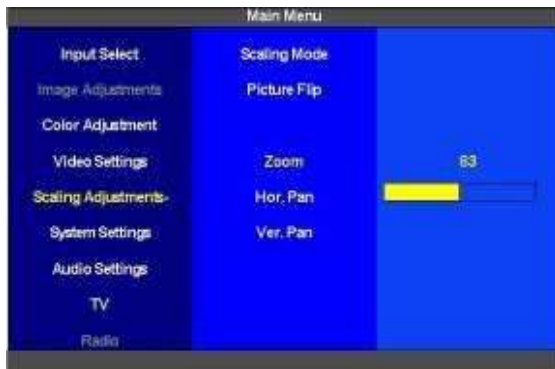


figure 50: Scaling Adjustment – Zoom

In this section the “Zoom” for the picture of the “Main Picture Channel” is set. The level of adjustment is 0 to 302. The default value is 0 (no zoom).

8.4 Scaling Adjustment – Hor. Pan

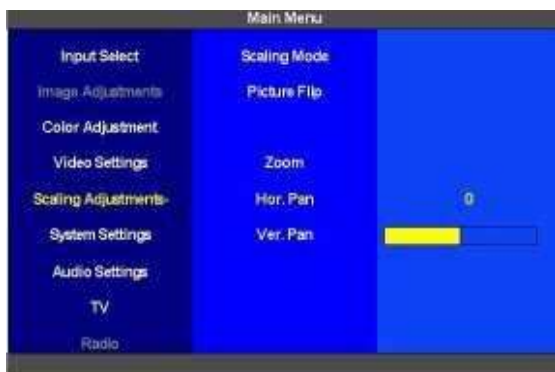


figure 51: Scaling Adjustment – Hor. Pan

In this section the “Horizontal Pan” (position of the display detail) is set. The level of adjustment depends on the selected zoom level. The default “Horizontal Pan” is 0. When “Zoom” is set to 0 the position of the picture can not be changed here.

8.5 Scaling Adjustment – Ver. Pan



figure 52: Scaling Adjustment – Ver. Pan

In this section the “Vertical Pan” (position of the display detail) is set. The level of adjustment depends on the selected zoom level. The default “Vertical Pan” is 0. When “Zoom” is set to 0 the position of the picture can not be changed here.

9 System Settings

In this section some general settings for the OSD can be set.

9.1 System Settings – OSD Timeout



figure 53: System Settings – OSD Timeout

The “OSD Timeout” is set in this section. The default value for the timeout is 30 seconds. The level of adjustment is 0 to 60 seconds in 5 second steps. 0 seconds stands for an infinite value. The OSD won’t be switched of when 0 is selected here.

9.2 System Settings – OSD Hor. Pos.



figure 54: System Settings – OSD Hor. Pos.

In this section the “Horizontal Position” of the OSD is set. The level of adjustment is 0 (left margin) to 100 (right margin). The default value is 0 (center of the Display).

9.3 System Settings – OSD Ver. Pos.



figure 55: System Settings – OSD Ver. Pos.

In this section the vertical position of the OSD is set. The level of adjustment is 0 (upper margin) to 100 (bottom margin). The default value is 0 (center of the Display).

9.4 System Settings – OSD Blend



figure 56: System Settings – OSD Blend

In this section the level of transparency of the OSD is set. The level of adjustment is 0 (solid OSD) to 15 (clear OSD). The default value for the “OSD Blend” is 3.

9.5 System Settings – OSD Orientation



figure 57: System Settings – OSD Orientation

In this section the “OSD Orientation” can be modified. There are three different modes for the orientation of the OSD. It can be rotated by 90°, mirrored horizontal or mirrored vertical.

9.6 System Settings – OSD Language



figure 58: System Settings – OSD Language

The language of the OSD is set here. By default the language is set to English.

9.7 System Settings – Reset to Default



In this section the OSD can be reset to factory defaults.

figure 59: System Settings – Reset to Default

10 Audio Settings

Several audio settings for the TvtoLCD can be set in this section.

10.1 Volume



The “Volume” can be set from 0 to 30. The default setting is 10.

figure 60:

10.2 Balance



The “Balance” for the audio output is set in this section. The balance can be set from -120 (left) to +120 (right). The default value is 0 (center).

figure 61: Audio Settings - Balance

10.3 Surround



The surround mode is selected in this section. As default the surround mode is turned off. There are two different possible surround modes (normal and spatial).

figure 62: Audio Settings - Surround

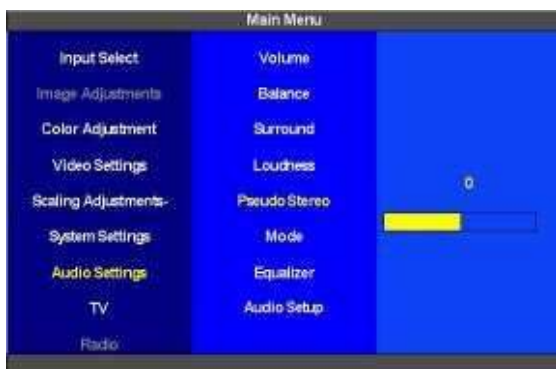
10.4 Loudness



The level of "Loudness" is set in this section. The loudness can be set from 0 (default) to 68 (+17dB).

figure 63: Audio Settings - Loudness

10.5 Pseudo Stereo



In this section the "Pseudo Stereo" effect can be set from -120 to +120. The default value for "Pseudo Stereo" is 0 (Pseudo Stereo turned off).

figure 64: Audio Settings – Pseudo Stereo

10.6 Mode



figure 65: Audio Settings - Mode

In this section three different audio modes can be selected. The user can choose between “Mono”, “Stereo” and “SAP” (second audio source). By default the audio mode is set to “Stereo”.

10.7 Equalizer



figure 66: Audio Settings - Equalizer

In this section the “Equalizer” can be set up. The quota of the different frequencies can be defined here. By default all values are set to a medium level.

11 TV

Several settings for the TV-Tuner can be set in this section.

11.1 TV - Program



In the “Program” section the user can switch between all saved programs.

figure 67: TV – Program

11.2 TV - Channel



In this section the channels can be scanned manually. When a channel needs to be saved as a program it can be added to the list of saved programs by selecting favourites (see chapter 5.12.6).

figure 68: TV - Channel

11.3 TV - Frequency



In this section the “Frequency” can be scanned manually. When a “Frequency” needs to be saved it can be added to the list of saved programs by selecting “Favourites” (see chapter 5.12.6)

figure 69: TV - Frequency

11.4 TV - System



In this section the different PAL norms are selected. By default the system is set to PAL B/G. Systems with a NTSC TV-tuner are set to NTSC-M by default.

figure 70: TV - System

11.5 TV - Scan Channel



In the “Scan Channel” section the user can choose whether to find the previous or the next channel that has a signal on it.

figure 71: TV – Scan Channel

11.6 TV – Favorites



In the “Favourites” section the user can add new programs to the programlist or update the list of favourite programs with all recently found stations. The favourite programs list can also be edited (see chapter 5.12.7).

figure 72: TV – Favorite Edit Menu

11.7 TV – Favorite Edit Menu



In the “Favourite Edit Menu” the programs can be rearranged, deleted or renamed.

figure 73: TV – Favorite Edit Menu

11.8 TV - Auto install



In this section an “Auto Install” can be started. All found TV-stations will be saved to the favourites list.

figure 74: TV – Auto Install

12 Radio

In this section the radio can be set up. When the TV-Tuner is activated the radio settings are not available.



In this menu the radio can be turned on or off. When the radio is activated the TV-Tuner settings are not available.

figure 75: Radio

12.1 Radio - Station



In the "Station" section the saved radio-stations can be selected.

figure 76: Radio - Station

12.2 Radio - Frequency



In the "Frequency" section the frequency can be scanned manually for radio-stations.

figure 77: Radio - Frequency

12.3 Radio - Scan Station



In the "Scan Station" section the user can scan either for the next or for the previous radio-station automatically.

figure 78: Radio – Scan Station

12.4 Radio - Save Station



In this section the radio-stations can be saved so they are available in the "Station" menu (see chapter 5.13.1).

figure 79: Radio – Save Station