

MX Firmware Changelog

Version: 4.27 since vers.~ 4.25.10	Date: 31.03.2020 Engineer: Michael Fuchs
<ul style="list-style-type: none"> • Improved Connection Speed and Reliability • Switching List remains open • Hotplug does not trigger Remote DDC automatically anymore • Minor cosmetic fixes in UI 	
Version: 4.25.10 since vers.~ 4.22	Date: 18.03.2020 Engineer: Michael Fuchs
<ul style="list-style-type: none"> • Fixed Bug where Powersave did not work with Hide Status Screen • Powersave starts after ~ 10 sec now. • Fixed Bug where keypresses were sent several times in MGS System • Fixed wrong Status • Usb Improvements • Sharing Improvements • Fix DDC when >1920 Monitor • UI Adjustments 	
Version: 4.22 since vers. 4.21	Date: 27.01.2020 Engineer: Dietmar Pfurtscheller
<ul style="list-style-type: none"> • Fixed bug in Preview 	
Version: 4.21 since vers. 4.12	Date: 25.01.2020 Engineer: Dietmar Pfurtscheller
<ul style="list-style-type: none"> • Reduced CONFIG_CLK to 15MHz for reliable reboot • Set GB_TXC125 drive level to 16mA • Fixed download bug for retries if copy_spi_block goes wrong • Preview is working now with UVX protocol with adjustable gap and resolutions other than Full HD as input • set_vclk_invert(0) to solve issues with ITS special assembly boards • Implemented RS232 Fixed Tx/DTRmode • Implemented 20sec flash reboot test in debug version • Fixed bug setting sync_mode to 3 	
Version: 4.12 since vers. 4.11.4	Date: 15.01.2020 Engineer: Michael Fuchs
<ul style="list-style-type: none"> • Implemented Auto Negotiation on Fiber • Adjusted default sdram phase and monitor sync 	
Version: 4.11.4 since vers. 4.11.3	Date: 15.01.2020 Engineer: Michael Fuchs
<ul style="list-style-type: none"> • Menu Lock Timeout gets reset when changing Setting 	

Version: **4.11.3**

Date: 15.01.2020

since vers. **4.11**

Engineer: Michael Fuchs

- Revised Bug Fix for artefacts from older Connections if resolution is lower
- Changed default video mode to DVI for OEM
- Fixed colors for Status Symbols in case of HDCP

Version: **4.11**

Date: 14.01.2020

since vers. **4.10.3**

Engineer: Michael Fuchs

- Fixed Bug where Menu was stuck when using Lock Menu
- Fixed Bug where OSD did not stop to pop up
- Fixed Problems with Stripes when Sharing

Version: **4.10.3**

Date: 13.01.2020

since vers. **4.10.2**

Engineer: Dietmar Pfurtscheller

- Implemented Auto Negotiation on Fiber
- Fixed SDRAM phase

Version: **4.10.2**

Date: 08.01.2020

since vers. **4.10.1**

Engineer: Michael Fuchs

- Improved: Show Last Image does not show any Artefacts from older Connections anymore

Version: **4.10.1**

Date: 08.01.2020

since vers. **4.10**

Engineer: Michael Fuchs

- Fixed another Locking System Bug where OSD could be reached from Switching List without PW
- Do not request Password if already in Menu
- Fixed Bug where Remote lost Video after leaving VGA Menu
- Show Last Image does not show any Artefacts from older Connections anymore

Version: **4.10**

Date: 02.01.2020

since vers. **4.09.10**

Engineer: Dietmar Pfurtscheller

- Version changed to 4.10

Version: **4.09.10**

Date: 18.12.2019

since vers. **4.09.9**

Engineer: Michael Fuchs

- Fixed Locking System Bug where OSD could be reached without password request
- Implemented Master-Password Generator for Extenders
- Revised definition of "passiv" Remote in Firmware
- Fixed Bug where OSD popped up all the time

Version: **4.09.9**

Date: 11.12.2019

since vers. **4.09.4**

Engineer: Michael Fuchs

- Fixed Local Out Issues with YUV mode
- Implemented Locking System for Menu
- Implemented Logout Possibility in Device List
- Fixed Bug with leaving Multicast Group
- Fixed Bug concerning MGS and MC

Version: **4.09.4**

Date: 04.12.2019

since vers. **4.08.Release**

Engineer: Michael Fuchs

- Local Settings get updated after changing them
- Hotkey for Sharing implemented

Version: **4.08.Release**
since vers. **4.08.1**

Date: 03.12.2019
Engineer: Michael Fuchs

- Mon Sync is adjustable (also via SM)
- Low Resolution Frequency Bug fixed
- Some Stripes at 1920x1200 and Mon Sync fixed
- Sdram Phase adjustable via SM
- Improved Reliability of the ACK for getting connected

Version: **4.08.1**
since vers. **~4.06**

Date: 27.11.2019
Engineer: Michael Fuchs

- Improved scrolling speed in switching list
- Minor cosmetic changes in switching list
- Last page gets saved after leaving device lists
- Hid Mode is now a Realtime Setting and gets saved
- Remote tells Switching Manager when he is ready to get connected after leaving Multicast Group
- Implemented few control mechanisms for using correct Coordinate System when in Mouse Glide and Switch

Version: **4.06**
since vers. **4.04.1**

Date: 22.11.2019
Engineer: Dietmar Pfurtscheller

- Remote ini works now with Dell Mouse MS116
- Remote ini supports now Keyboard LEDs
- Bugfix for Remote ini Lenovo Keyboard KBBH21
- Change in gb_status more retries for copper link
- spi_clk derived from clkdiv provides better CPU stability at low temperature
- fixed contention of 48 datalines in SDRAM_ctrl at different phase settings
- fixed video_alert_bit in remote top.vhd

Version: **4.04.1**
since vers. **4.04**

Date: 20.11.2019
Engineer: Michael Fuchs

- With USB Timeout
- Improved performance when connecting
- Improved Reliability of correct usage of coordinate system
- USB Status is Orange when in emulation mode
- OSD now differs between Sharing (active extender) and Viewing (passive extender)

Version: **4.04**
since vers. **4.03**

Date: 19.11.2019
Engineer: Michael Fuchs

- Without USB Timeout

Version: **4.03**
since vers. **4.02**

Date: 19.11.2019
Engineer: Michael Fuchs

- Relative Coordinate System can be chosen again
- Remote tells Switching Manager if Video signal stops after Disconnecting

Version: **4.02**
since vers. **4.01_05**

Date: 19.11.2019
Engineer: Dietmar Pfurtscheller

- Fixed Flash problem at lower temperatures

- Improved reboot
- Fixed sync at 1920x1200

Version: **4.01_05**
since vers. **4.04**

Date: 13.11.2019
Engineer: Michael Fuchs

- Fixed Bug where Remote was in an undefined state after losing his PtP partner
- Improved USB Initialization Speed

Version: **4.01_04**
since vers. **4.01**

Date: 12.11.2019
Engineer: Michael Fuchs

- Added Diagnostic Menu for Debug Information about SFP module / Lantiq Chip
- Extended Settings for specific Debug Informations

Version: **4.01**
since vers. **3.23**

Date: 8.11.2019
Engineer: Dietmar Pfurtscheller

- Fine adjustments SDCLK timing

Version: **3.23**
since vers. **3.22**

Date: 4.11.2019
Engineer: Dietmar Pfurtscheller

- Reworked storm control
- Webcam bug fixed
- Improved debug strings
- USB remote ini Fixed OEM keyboard
- USB emulation mode fixed HP Z2340 Reboot

Version: **3.22**
since vers. **3.21_1**

Date: 4.11.2019
Engineer: Dietmar Pfurtscheller

- Fifo Adjustments and XG Fifo prevent overflow

Version: **3.21_1**
since vers. **3.20_4**

Date: 4.11.2019
Engineer: Dietmar Pfurtscheller

- Lantiq init more reliable, prevents loss of connection
- Improved jitter pattern immunity

Version: **3.20_4**
since vers. **3.20_1**

Date: 22.10.2019
Engineer: Michael Fuchs

- Added debug information for channels
- Minor changes in OSD menu

Version: **3.20_1**
(since vers. 3.18)

Date: 22.10.2019
Engineer: Michael Fuchs

- Suppress keys in Mouse Glide & Switch
- Minor changes in OSD menu

Version: **3.18**
since vers. 3.16

Date: 17.10.2019
Engineer: Dietmar Pfurtscheller

- LWL connection bug fixed
- SDRAM calibration reworked
- Some OEM specific changes

Version: **3.16**
(since vers. 3.15_3 25.09.2019)

Date: 16.10.2019
Engineer: Michael Fuchs

- Mouse Speed can be set in Emulation Mode

Bugs:

- Leaving device list does not open login window anymore
- Do not display Firmware Revision if it is a Release Version
- Mouse Coordinates are now set to Absolute if an older Firmware gets updated

Version: **3.15_3**

Date: 25.09.2019

(since vers. 3.15_1 25.09.2019)

Engineer: Michael Fuchs

- New GET function
- USB Emulation Mode

Version: **3.15_1**

Date: 25.09.2019

(since vers. 3.14_12 20.09.2019)

Engineer: Michael Fuchs

- HDCP and YUV Conversion
- Filter in device list
- New PUSH function

Bugs:

- More stabil USB

Version: **3.14_12**

Date: 20.09.2019

(since vers. 3.14_7 06.09.2019)

Engineer: Michael Fuchs

- Quicker USB Connection

Bugs:

- Prevent Remote USB Initialisation while connecting to Local

Version: **3.14_7**

Date: 06.09.2019

(since ~ vers. 3.13 06.08.2019)

Engineer: Michael Fuchs

- Selectable Mouse Coordinate System
- USB Sharing
- Display Name of Video Partner in OSD

Bugs:

- Prevent Storm Control from blocking Connections
- Prevent OSD from endless loop
- CTRL-Hotkey works again
- Fixed Video Bug while Switching

Version: **3.13**

Date: 06.08.2019

(since vers. 3.12 02.08.2019)

Engineer: Dietmar Pfurtsceller

- Compatibility with ETRON SDRAMs
- USB for Fiber Version fixed
- Includes relative Mouse emulation

Version: **3.12**

Date: 02.08.2019

(since vers. 3.11 26.07.2019)

Engineer: Thomas Pfeifer

- Implemented Overlay for Multiview commander (can be activated in OSD of the UVX)

Version: **3.11**

Date: 26.07.2019

(since vers. 3.10 06.06.2019)

Engineer: Thomas Pfeifer

- **Compatibility with UVX and new communication protocol.**
- Implementation of Storm Control to prevent Extenders for flooding the Network.
- Implement remote OSD control in MGS.

Bugs:

- Pressing "Esc" in a List opened by a shortcut will now close the List instead of going back to the main menu.
- Improved image stability for some hardware revisions.
- Better compatibility with critical displays.

Version: **1.33**

Date: 06.06.2019

(since vers. 132 10.05.2019)

Engineer: Michael Fuchs

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- Bug Fix: Single Hotkeys can't open Switching-List

Version: **1.32**

Date: 10.05.2019

(since vers. 131 10.04.2019)

Engineer: Dietmar Pfurtscheller

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- statistics and performance and error flags can be read from switching manager
 - ilink if the destination mac doesn't match our mac, discard package

Version: **1.31**

Date: 10.04.2019

(since vers. 1.17 07.09.2018)

Engineer: Dietmar Pfurtscheller

Improvements:

- Further stability improvements
- USB lowspeed improved
- USB Remote handling improved for Mice with 16bit coordinates
- USB Remote LED handling
- USB save feature more save
- USB Emulation Mode introduced for superfast USB switching
- VGA handling improved
- VGA Auto pixel adjustment improved
- Included VGA 1920x1200 videomode table
- Improved Network stability
- Searchbox implemented