DVI3 Firmware Update

Version : 1.1.5a

English

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1   General information

This Help will provide you with step-by-step instructions for upgrading the DVI3 devices and the KVM box with the current firmware version. For a start, you need to have downloaded the zip-file for the KVM system's Ethernet connection type you wish to update (FX = FO or TX = copper).

The two different download versions of the Ethernet connection type (FX, TX) can be told apart on the basis of their name.
The downloads consist of:
1. Firmware update a menu-based update,
2. Firmware update for the emergency solution,
3. and this Help.

The normal procedure is the update via the menu.
Should this fail, the emergency solution can be used to carry out the update.

This chapter contains key information on what to look out for when changing a display or KVM box of a SERIES 600 KVM system.

ⓘ	*Note*
The firmware revision of the display and the KVM box must be identical.	

ⓘ	*Note*
Display and KVM box are always supplied with the most recent firmware revision. **Currently, this is 1293.** **When replacing display or KVM-box, please note the following measures:**	

Firmware revisions KVM-box and display:

Firmware revisions		Required action, possible ways to upgrade
KVM-Box	**Display**	
1192	1192 3192	Download of the current firmware revision, Update of the KVM-System to the current firmware via menu.
	1241 1260 1293	Replacing the KVM-box with current firmware 1293.
3192	3192 1192	Download of the current firmware revision, Update of the KVM-System to the current firmware via menu.
	1241 1260 1293	Replacing the KVM-box with current firmware 1293.
1241	1192 3192	Download of the current firmware revision, Update of KVM system to current firmware via emergency solution.
	1241 1260	Download of the current firmware revision, Update of the KVM-System to the current firmware via menu.
	1293 *1	Download of the current firmware revision, Update of the KVM system to current firmware via menu (see note: initial upgrade to firmware 1272 required)
1260	1192 3192 1241	Download of the current firmware revision, Update of KVM system to current firmware via emergency solution.
	1260	Download of the current firmware revision, Update des KVM-Systems auf aktuelle Firmware via Menü
	1293 *1	Download of the current firmware revision,

		Update of the KVM system to current firmware via menu (see note: initial upgrade to firmware 1272 required)
1293*¹	1192	Download of the current firmware revision,
	3192	Update of KVM system to current firmware via emergency solution.
	1241	
	1260	
	1293	Current firmware revisions, no action required.

| *1)	**Version 1293 first requires an update to 1272.** **This is located in the "install_1272_first" directory of the current download.**

ⓘ	*Note*
	We recommend you change the label with the firmware version at the display and the KVM-box to reflect the firmware update.

➕ Where are the labels?

The display label is on the back of the device.

The KVM-box label is at the bottom of the device.

Typ:KVM-DVI3-MM-FO

Ⓔ II (1) G   [Ex op is Ga] IIC   IECEx BVS 11.0075 X
Ⓔ II (1) D   [Ex op is Da] IIIB   BVS 11 ATEX E 102 X
      -30°C ≤ Ta ≤ +60°C   POCC DE.ГБ04.B01882

Artikel-Nr.-HW.: 221093   Date: 12.16
Serial-Nr.:   10021577   Rev. HW.:

2005 36 52 3   R. STAHL HMI Systems GmbH, Cologne / Germany, www.stahl-hmi.de

checked:

Firmware
1260
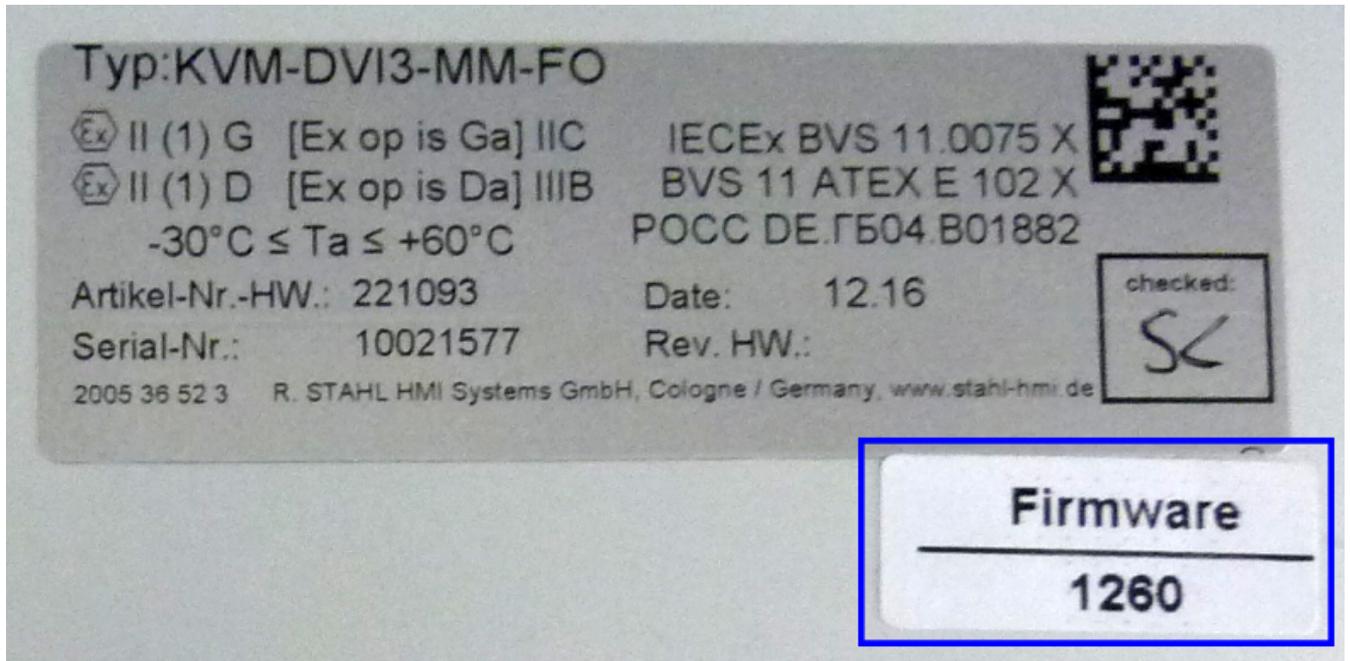
[Update via Menu]   [Update via Emergency]

Should this not work either, please contact our Hotline,*http://www.stahl-hmi.de/en/supports.html* .

2   Update via Menu

**Device types marked as IT/MT/ET-6x7-.. with label "DVI-3"**
Device types marked as IT/MT/ET-6x8-.. with label "DVI-3"

| Preamble | | Step by Step |

2.1 Preamble

Purpose:

Supply of a function for updating the firmware of the DVI3 KVM systems.

The update of the firmware is coded as a bitmap; the version where the update is carried out via the menu, this bitmap does **not** have a red margin. This bitmap must be opened on the local PC to enable the update.

Scope of application

- Device types marked as IT/MT/ET-6x7-.. with label "DVI-3"
- Device types marked as IT/MT/ET-6x8-.. with label "DVI-3"

Step by Step

2.2 Step by Step

The firmware is coded as a bitmap; in the case of the menu update this bitmap does **not** have a red margin. This bitmap must be opened on the local PC to enable the update.

☞   **This update function is only possible via a DVI video signal !**

Step-by-step instructions:

1. Once you have downloaded the bitmap, open it via "Preview" in the context menu (right mouse-click on the image). This ensures that the bitmap image is in the centre of the screen.

Preview
Set as desktop background
Edit
Print

Open file location

Properties
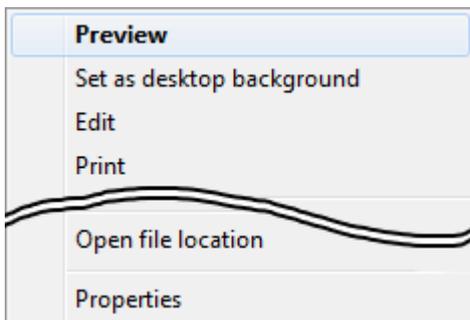
2. The bitmap of the update will pop up.

3. Do not move the image.
4. Make sure that the mouse pointer is positioned outside the image.
5. Switch off the HMI for a couple of seconds and then switch it back on again.
6. Now push Scroll 5 times.

7. The set-up menu screen will now pop up.

8. Enter "U" to start the update function.
9. The update will now be carried out.
10. Once the update has been completed, re-start all devices (DVI3 + KVM box + host).
11. The device is now ready to run with the new firmware.

3 Emergency Update

Device types marked as IT/MT/ET-6x7-.. with label "DVI-3"
Device types marked as IT/MT/ET-6x8-.. with label "DVI-3"

Preamble		Step by Step

3.1 Preamble

Purpose:

To provide a way to update the FW in case there is no input device useable on Remoteside, (no Keyboard connected to Device or Firmware Version incompatibility between HMI and KVM Box).
The Firmware is coded as a Bitmap-picture, in case of the Emergency-Version this Bitmap has got a red edge. This picture has to be opened on the local PC, to enable the update.

Scope of application

- Devicetypes marked as IT/MT/ET-6x7-.. with label "DVI-3"
- Devicetypes marked as MT/ET-6x8

Step by Step

3.2 Step by Step

The Firmware is coded as a Bitmap-picture, in case of the Emergency-Version this Bitmap has got a red edge. This picture has to be opened on the local PC, to enable the update.

How to do, step-by-step:

1. Select the correct Firmware-bitmap,
   LWL= Fiber optic connection
   Copper = Cat-7 copper connection
   Open the file by clicking on "Preview" in the context menu (right mouseclick on image).

2. Place the bitmap in the middle of the screen. The screen-settings must be:
   - Unscaled picture
   - Digital Videosignal (no VGA)

3. The picture should look like the one shown here:

4. Please note that the mousepointer must be placed outside.
5. Unplug the USB-connection between the Host-PC and the DVI-3 KVM-Box.
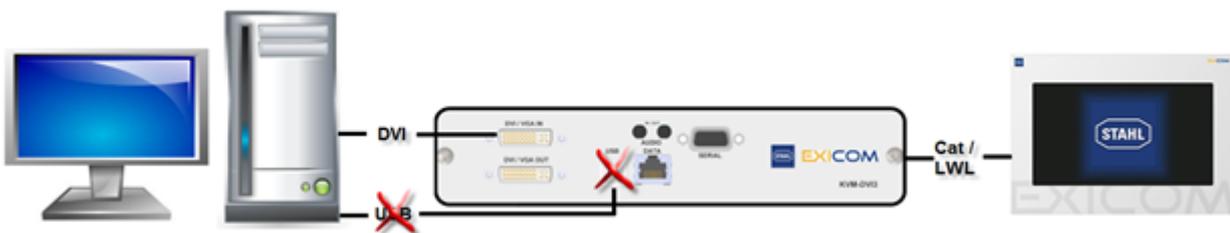
6. Power-cycle (Power off,Power on) the KVM-Box and wait for approx. 1 minute, the update will start automatically.

7. When you see the above message, the update will start.
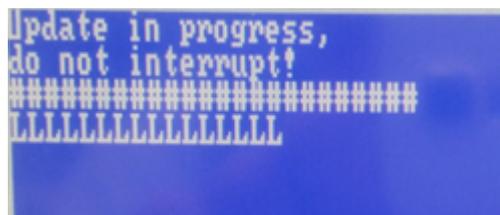
8. After the update was successful, the system will reboot.
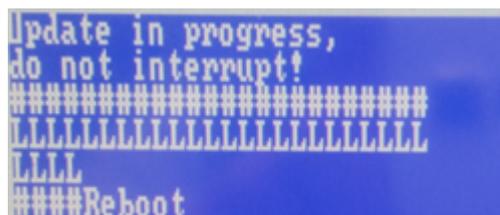
9. Check if both local & remote version match (12xx) .

10. Close the picture for the emergency update after the update was performed to prevent a second start from the Update.
11. Connect the USB Cable to KVM Box.