
VPVision Update USB

Assembly instruction
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1 Prerequisites

1. This VPVision Update USB can update VPVision version 4.x.x and older to version 5.x.x (and newer).
Please use 1 VPVision Update USB per VPVision system since a system specific backup will be stored on the VPVision Update USB.

Necessities:

- VRouter, preconfigured by VPInstruments (see step 2)
- Power supply for the VPVision PC (see step 3)
- Monitor (VGA)
- Keyboard (wired via USB)
- VPVision Update USB

2. Make sure your VPVision system contains a VRouter which is installed according to the VRouter Quick Start Guide:

- A newly ordered VRouter is preconfigured by VPInstruments. Configuration with the included Ixon USB stick (empty!) is not required.

- Connect the 24V power supply of the VRouter via the 24V power supply connection of the Moxa converter
- Connect VPVision **LAN 2** to the VRouter **LAN 2**
- Connect VRouter **LAN 3** to Moxa converter **Port 1**
- Connect VPVision PC **LAN 1** port to company network.
- VRouter IP address: 10.0.0.254
- Moxa converter IP address: 10.0.0.2
- VPVision PC IP address: 10.0.0.1
- VPVision will be approached via the VRouter by default.
- It takes approximately 2 minutes until the VRouter comes online.

NOTE:

This update will correctly configure a stand alone VPVision system with 1 Moxa converter and 1 VRouter.

In case you have multiple IO modules connected, separate configuration of these IO modules might be required. Custom network configuration settings will not be saved so it is advised to note these down before you start the update.



3. Make sure you prepare the following for a succesfull update:

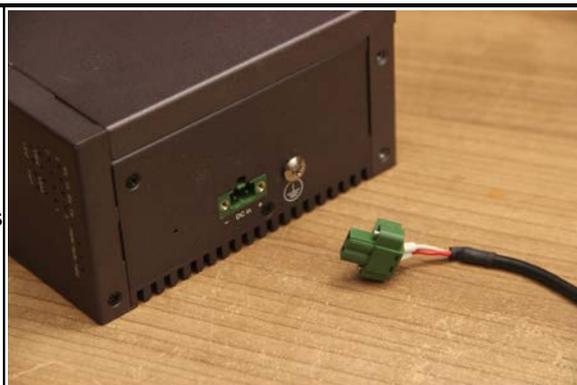
- Power supply of the VPVision PC:
Option a: 12..24V DC plug for a separate VPVision PC or
Option b: VPVision main unit power supply (in this case the complete VPVision system will be switched off):

First turn the power **OFF!**

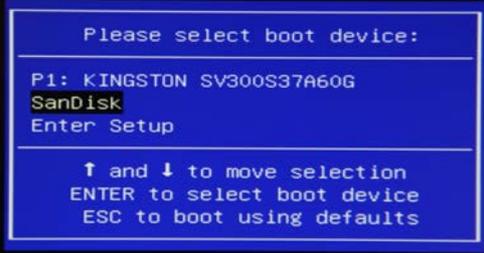
- Connect a monitor (VGA) to the VPVision PC
- Connect a keyboard (via USB) to the VPVision PC
- A VPRouter connection (step 2) in case of a complete VPVision system OR a direct internet connection to the VPVision PC (LAN 1) in case of a separate VPVision PC
- Connect the VPVision Update USB to the VPVision PC

NOTE:

You can start the update by yourself but make sure you had contact with the VPInstruments support team so there is a support engineer available to assist in case this is needed.



2 Perform the update

<p>1. Turn ON the power supply of the VPVision PC</p> <p>Immediately keep pressing F11 on the connected keyboard in order to start up the VPVision PC from the VPVision Update USB (SanDisk).</p>	
<p>2. You should see only one device when the VPWizard starts up. Press 0 and Enter.</p> <p>NOTE: If there is more than one option, please contact the VPInstruments support team.</p>	<pre>--- Welcome to VPWizard. If your device is a normal vpvision device, you should see only one device, so pressing 0 should then be the thing to do. If there is more then one option, please contact support. [0] /dev/sdb : 59.6G VBOX_HARDDISK > 0</pre>
<p>3. Choose for the automatic update (a and Enter) and follow the instructions in the VPWizard.</p> <p>The update will start with a backup of the old system which will take approximately 1 to 2 hours, depending on the amount of data on the SSD of your VPVision system.</p>	<pre>--- Welcome to VPWizard. -[Automatic]- a) Run full upgrade. -[Manual options]- 1) Backup existing system. 2) Restore system from backup. 3) Migrate userdata. 6) Install new system. 7) Restore userdata. -[Tools]- p) Purge installer. t) Toggle backup method. (quick) s) Shutdown. r) Reboot. q) Quit this installer. 2020/10/29 08:07:42 - Selected /dev/sdb. > a</pre>
<p>4. When the backup of the old system is done, please check if there are no 'error' or 'no space left on device' messages.</p> <p>When everything looks OK, type 'YES' and Enter to proceed.</p> <p>The update will take approximately 60 to 90 minutes, depending on your VPVision system.</p> <p>NOTE: In case of any error message or doubt about the backup, please contact the VPInstruments support team.</p>	<pre>Making a full backup of the current system, this may take a while. (100.00/100%) Image: /var/lib/vpwizard/backup.img file format: qcow2 virtual size: 60G (64023257088 bytes) disk size: 50G cluster_size: 65536 Format specific information: compat: 1.1 lazy_refcounts: false refcount_bits: 16 corrupt: false Backup finished, does the above look oke? When in doubt, please contact support. Type 'yes' in UPPERCASE to proceed:</pre>

5. When the update is successfully done, you can reboot to your upgraded installation.

Enjoy the VPVision update!

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50,469,834 100% 90.47MB/s 0:00:00 (xfr#1366, to-chk=0/1392)  
All done, you can now Reboot to your upgraded installation.
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