VCube 10 Release Notes

Installation

Please consult the Installation Guide located on the Merging Installation Media (USB Memory card) for details on the hardware and software installation procedure and Authorization Key registration process.

- To install the VCube software insert the Merging Installation Media - the installation program should auto-start.

Updates

Please check our Web site **http://www.merging.com** periodically for information, patches and updates.

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Installation:

- **VCube 10 Installation guide is based on the VCube v9.0 Guide (for the beta cycle)**
  https://www.merging.com/uploads/assets/Installers/beta/JANUS_X.0_Beta2/VCube_v9.0.1_Beta2/VCube_9_Installation_Guide.pdf
- VCube v10 officially supported under Windows 10 - 64 bit
  Note: VCube v10 not officially supported under Windows 7 – 64.
- VCube 10 runs the v9 keys for the duration of the beta cycle
- For recommended VCube configuration refer to our page here:
  http://www.merging.com/support/pc-config
- Pyramix 14 can be installed along with VCube 10

V10 Features:

VCube 10 is supported under the following Windows 64bit versions.

- VCube 10 is supported under the following Windows 64bit versions.
- Windows 10: Anniversary (1607)
- Windows 10: Creator (1703)
- Windows 10: Fall Creator (1709)
- Windows 10: Spring Creator (1803)
- Windows 10: October 2018 update (1809)
- Windows 10: May 2019 update (1903)
- Windows 10: With the Meltdown and Spectre updates
- Windows 10: With the Zombieload updates (Microarchitectural Data Sampling released May 14, 2019)
- Windows 10: November 2019 Update (1909) supported as of VCube v9 (RTX64 3.7)
- Windows 10: May 2020 Update (2004) supported as of VCube 9.0.6 HotFix (with RTX64 3.7.4)
- Windows 10: October 2020 Update (20H2) supported as of VCube 9.0.6 HotFix (with RTX64 3.7.4)
- Windows 10: May 2021 update 21H1 supported as of VCube 9.0.6 HotFix (with RTX64 3.7.4)

Warning: VCube 10 is no longer supported on Windows 7

Cloud based security available (dongle-less)

A new Cloud security has been implemented for new users needing to run Pyramix, Ovation or VCube without a Merging SafeNet Dongle.

Note: SafeNet keys cannot be transferred to this Cloud security model for a chosen release. This process can only be done for now at the Upgrade stage.

QLM activation/deactivation
https://confluence.merging.com/pages/viewpage.action?pageId=65437899

QLM SelfHelp Tool
https://confluence.merging.com/pages/viewpage.action?pageId=65437985

MTSecurity troubleshooting
https://confluence.merging.com/pages/viewpage.action?pageId=65437939

QLM FAQ
https://confluence.merging.com/pages/viewpage.action?pageId=65437961

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Improvements:

- Improvements to the VCube Video preview Display

Product Change

- AJA (KONA Lhi) not supported as of VCube 7.0 on Windows 10, for users on Windows 7 will have support but no further development or maintenance.
- The Decklink 8K Extreme Pro is not supported above 4K DCI / 25 fps

Fixed in v10 HotFix 3

- MSC-128: Fixed. Intel 11th generation support
- VCube 10.0.4 HotFix 3 is in sync with the Pyramix 14.0.4 HotFix 3, for users running VCube and Pyramix on the same system

Fixed in v10

VCube 10 runs on the version 9 keys for the duration of the beta cycle.

- VCUB71-6. Fixed. VCube crashes after stopping playback with BMD (due to their driver v11.X)

Technical Notes:

- VCube not supported on Core2Duo. Minimum requirement is a QuadCore.
- VCube 10 is supported under Windows 10 (64bit), but not supported officially under Windows 7 (64bit)
- VCube Known issues: https://confluence.merging.com/pages/viewpage.action?pageId=41713706

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Blackmagic design Video Cards Support Configuration:

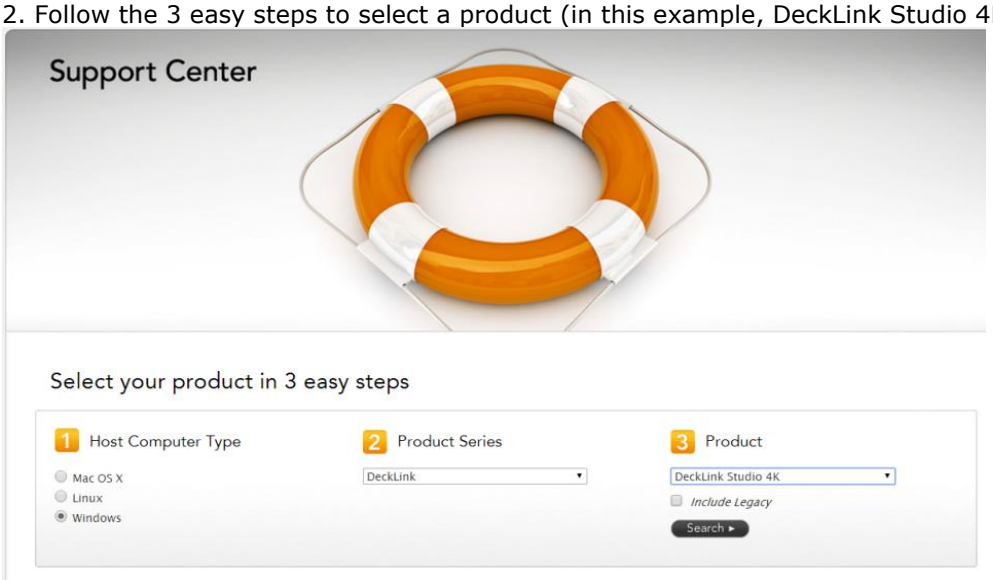
As of VCube 5.1, Merging now supports Blackmagic design Video Cards thru the DeckLink SDK.
This covers DeckLink, UltraStudio and Intensity product lines.
Decklink Studio 4K, Decklink 4K Extreme and Decklink 4K Pro have been validated. The DeckLink Studio monitor is known to working but has no Video reference to ensure genlock.

Note: The Decklink 8K Extreme Pro is not supported above 4K DCI / 25 fps

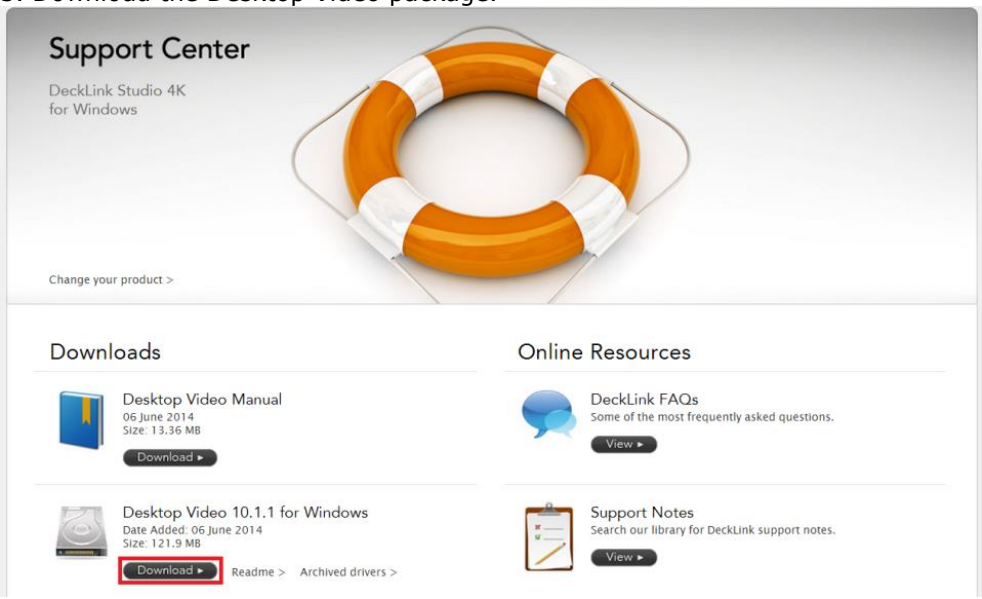
Blackmagic design installer recommended versions is 10.11.X and v11.X is supported as of VCube 9.
Known issue: The Settings panel must be opened under Windows.

Installation/Setup:

1. Go to http://www.blackmagicdesign.com/support
2. Follow the 3 easy steps to select a product (in this example, DeckLink Studio 4K on Windows)



3. Download the Desktop Video package.



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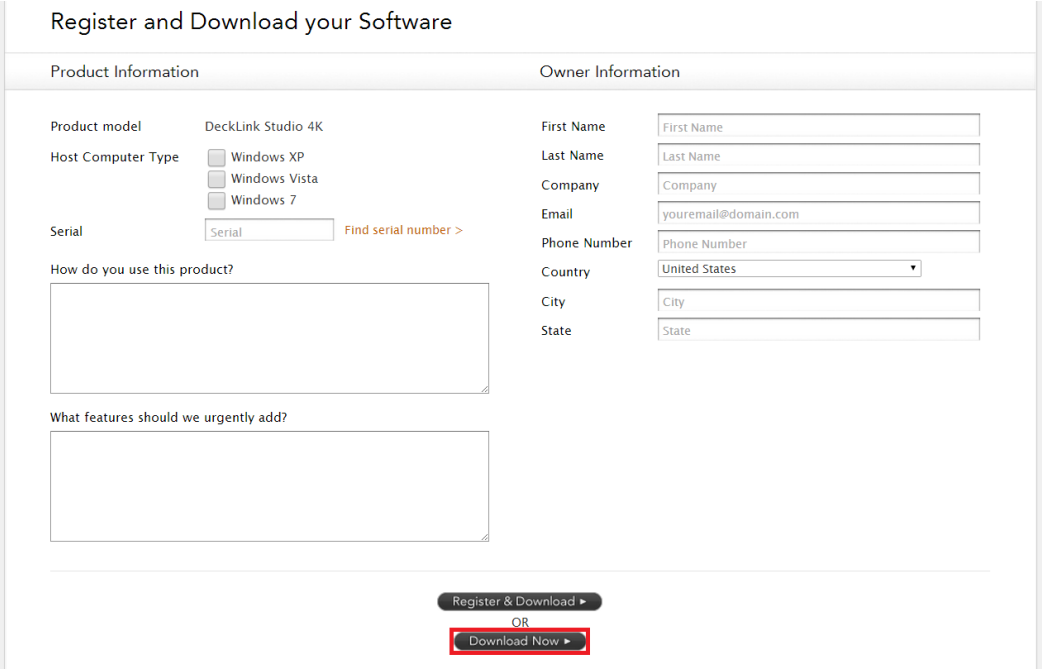
4. Register and Download your Software:
Note: you don't have to register to download the Desktop Video package. Just press ***"Download now"*** *to get the package download started.*

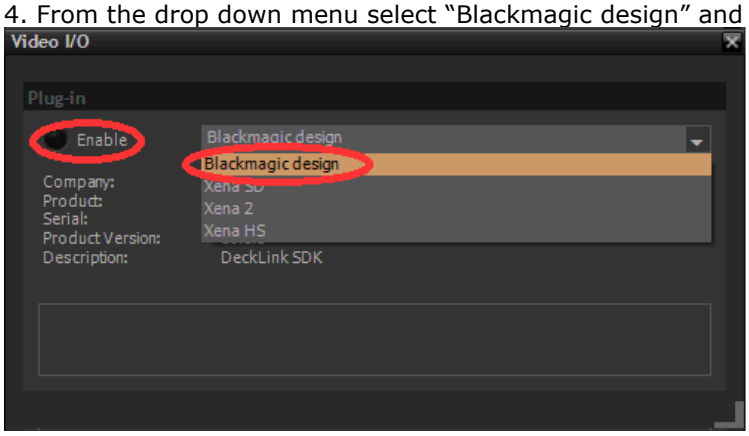


5. Once downloaded, un-zip the package.
6. Run the DesktopVideo_x.x.x.msi installer and follow the specific instructions.
7. Restart your system once the installation is completed.

Behavior description

Enable Blackmagic design video I/O in VCube.

1. Start VCube.
2. Prompt the Video I/O setting tab (SHIFT-ALT-P).
4. From the drop down menu select "Blackmagic design" and enable the card



The Video I/O Plug-in tab gets populated. Depending on options and card properties, you'll get access to the following options:

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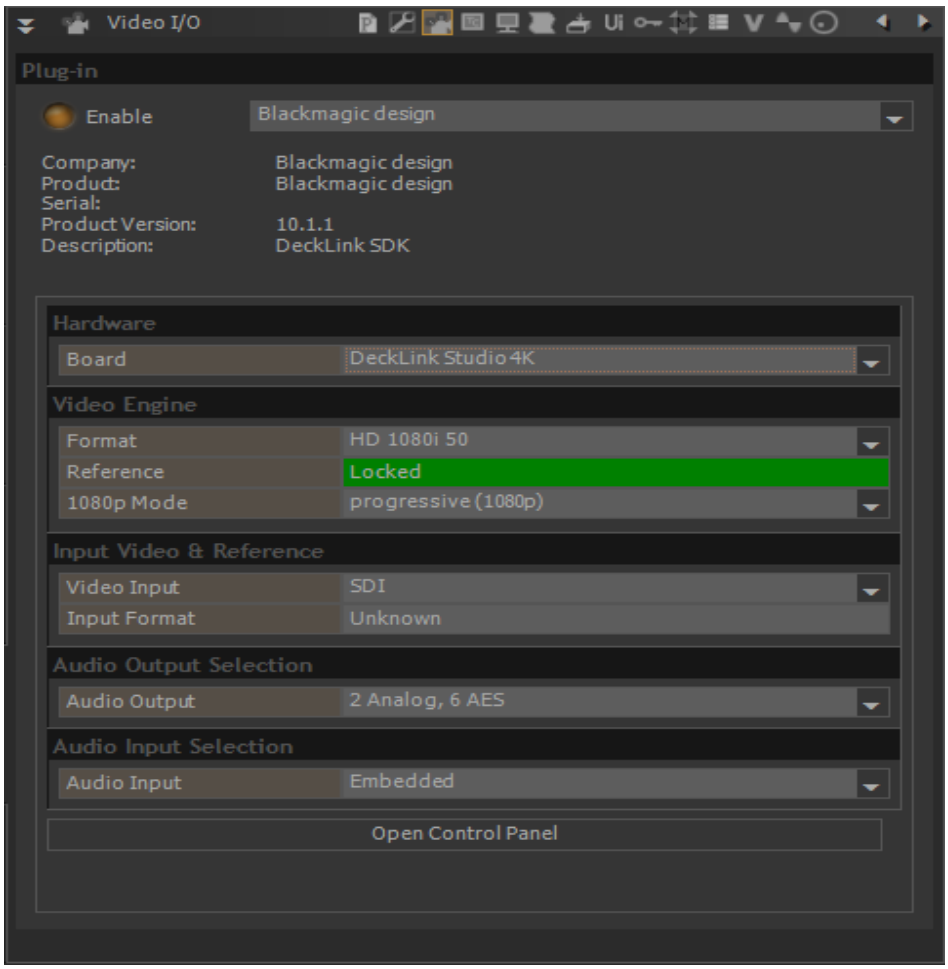

Hardware

If several Blackmagic design cards are installed, you can select the one you control from the Board dropdown.

Video Engine

Format: Choose video format / resolution. HD formats will require the proper keys.

Reference: Indicator of the video reference. Note: Some cards might not support this

1080p mode: Segmented frame mode; Progressive or segmented (for VTR supporting Interleave).

Note: We recommend users to use the VCube quick SD (ALT+F5) and quick HD settings (ALT+F6) in order to automatically configure the format and 1080p mode.

Input Video & Reference

Video Input: Only valid for some Blackmagic cards supporting input. Note that this option is only available for VCube SE users. Allows users to select video input source (connector); Choices can vary from; SDI, HDMI, Component, Composite, S-Video

Input Format: Only available on some Blackmagic cards. Indicates the input video format. Only active when in record Mode.

Audio Output Selection

Audio Output: Choice can vary with different Blackmagic cards. Users must select their audio output source. Available possible physical output choices (example: DeckLink-Studio); 4 analog, 2 AES or 2 Audio, 6 AES

Audio Input Selection

Audio Input: Choice can vary with different Blackmagic cards. Users must select their audio input source. Available possible physical input choices (example: DeckLink-Studio); Embedded, AES/EBU, Analog.

Open Control Panel:

Will open the Blackmagic Design control panel

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