

## **VCube 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.

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### **Updates**

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

# **VCube 7.1 Release Notes**

## **Installation:**

- VCube v7 is supported under Windows 7 - 64 and Windows 10 - 64 bit
- VCube v7 requires new v7 keys
- The Windows Fall Creator update is supported as of VCube v7.0.6 HotFix and VCube v7.1 Beta
- The Windows Spring Creator update is supported as of VCube v7.1 Beta2
- The Windows October 2018 update is supported as of VCube v7.1.6 HotFix
- For recommended configuration refer to the v7 recommendations:  
<http://www.merging.com/support/pc-config>
- Pyramix v11.1 can be installed along with VCube v7.1

## **V7 Features:**

- VCube v7 is supported under Windows 10 – 64bit (Pro recommended)

## **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 Bugs in V7.1.6 HotFix:**

- This version is in sync with the Pyramix v11.1.6 HotFix release
- PMX111-300: Fixed. MTSSRv can crash during Pyramix start up

## **Fixed Bugs in V7.1.5 HotFix:**

- This version is in sync with the Pyramix v11.1.5 HotFix release

## **Fixed Bugs in V7.1.4:**

- This version is in sync with the Pyramix v11.1 release

## **Fixed Bugs in V7.1 Beta2:**

- HEL-621: Fixed. VCube not locking to incoming TC in VS3 mode
- HEL-682: Fixed. VCube remaining in Simple Mode

## **Fixed Bugs in V7.1 Beta1:**

- HEL-545: Fixed. VCube wrap progress bar missing



## Fixed Bugs in V7.0.6 HotFix:

- Fixed. Windows 10 Fall Creator update (1709) supported as of VCube v7.0.6 HotFix

## Fixed Bugs in V7.0.5 HotFix:

- VCUB70-5: Fixed. VCube AJA drivers re-included in installer for Windows 7

## Fixed Bugs in V7.0:

- HEL-317: Fixed. High resolution screen support
- VCUB70-2: Fixed. VCube sync slave record
- VCUB70-3: Fixed. Chase above 12h problems
- Windows 10 Support fixes.

## Technical Notes:

- VCube not supported on Core2Duo. Minimum requirement is a QuadCore.
- VCube 7 is supported under Windows 7 (64bit) and Windows 10 (64bit)
- VCube Known issues: <https://confluence.merging.com/display/PUBLICDOC/VCube+v7>

## Blackmagic design Video Cards Support Configuration:

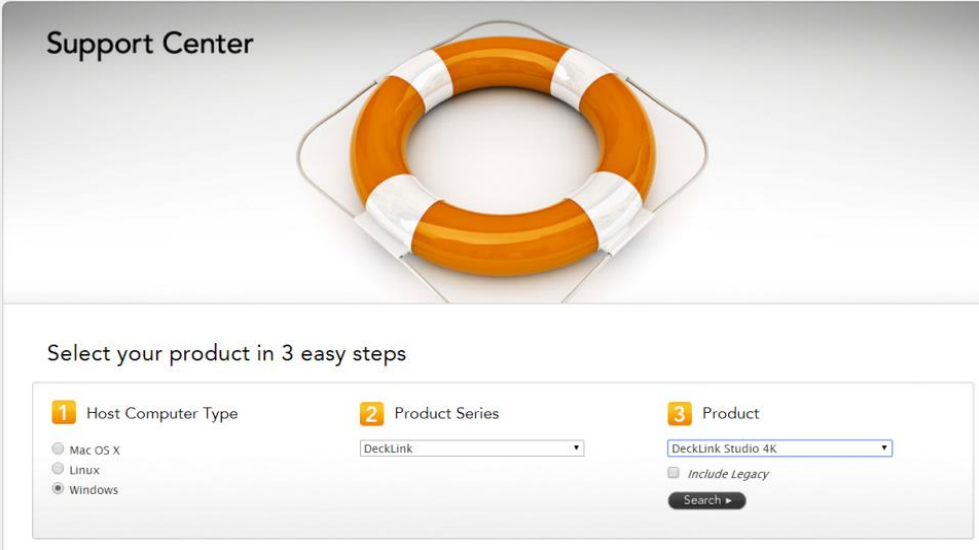
As of VCube 5.1, Merging now supports Blackmagic design Video Cards thru the DeckLink SDK. This covers DeckLink, UltraStudio and Intensity product lines. Decklink Studio 4K, Decklink 4K Extreme and Decklink 4K Pro have been validated. The DeckLink Studio monitor is known to working but has no Video reference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

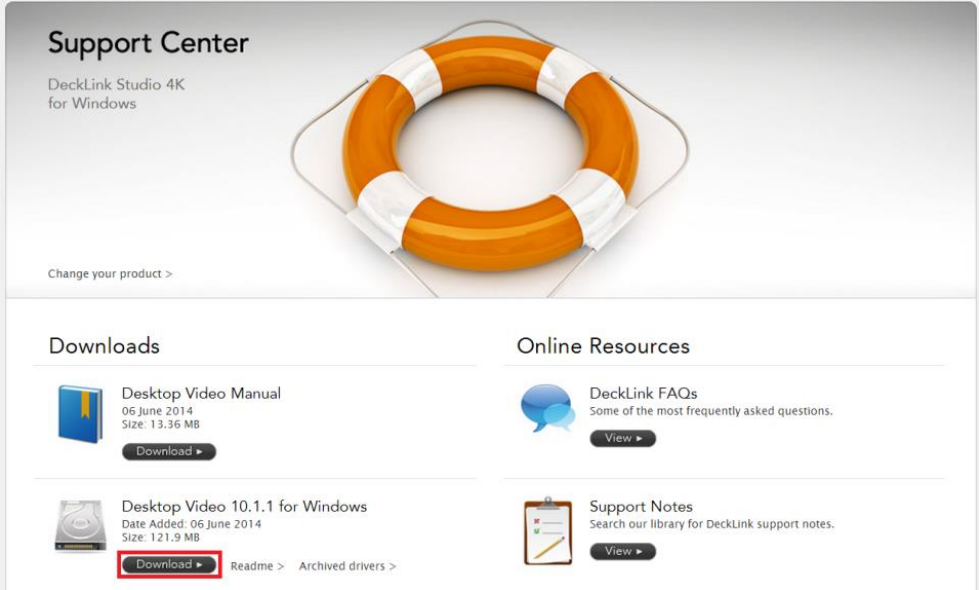


The screenshot shows the 'Support Center' page with a large orange and white lifebuoy graphic. Below the graphic, the text reads 'Select your product in 3 easy steps'. The interface is divided into three columns:

- 1 Host Computer Type:** Radio buttons for Mac OS X, Linux, and Windows (selected).
- 2 Product Series:** A dropdown menu with 'DeckLink' selected.
- 3 Product:** A dropdown menu with 'DeckLink Studio 4K' selected, and an 'Include Legacy' checkbox.

A 'Search' button is located at the bottom right of the selection area.

3. Download the Desktop Video package.



The screenshot shows the 'Support Center' page for 'DeckLink Studio 4K for Windows'. The page features the same lifebuoy graphic and a 'Change your product >' link. Below the graphic, there are two main sections:

- Downloads:** A list of download items. The first item is 'Desktop Video Manual' (06 June 2014, 13.36 MB) with a 'Download' button. The second item is 'Desktop Video 10.1.1 for Windows' (Date Added: 06 June 2014, Size: 121.9 MB) with a 'Download' button (highlighted with a red box), a 'Readme >' link, and an 'Archived drivers >' link.
- Online Resources:** A list of online resources. The first is 'DeckLink FAQs' (Some of the most frequently asked questions.) with a 'View' button. The second is 'Support Notes' (Search our library for DeckLink support notes.) with a 'View' button.

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.

The form is titled "Register and Download your Software" and is divided into two main sections: "Product Information" and "Owner Information".

**Product Information:**

- Product model: DeckLink Studio 4K
- Host Computer Type: Radio buttons for Windows XP, Windows Vista, and Windows 7.
- Serial: A text input field with a "Find serial number >" link.
- How do you use this product?: A large text area.
- What features should we urgently add?: A large text area.

**Owner Information:**

- First Name: Text input field.
- Last Name: Text input field.
- Company: Text input field.
- Email: Text input field with placeholder "youremail@domain.com".
- Phone Number: Text input field.
- Country: Dropdown menu with "United States" selected.
- City: Text input field.
- State: Text input field.

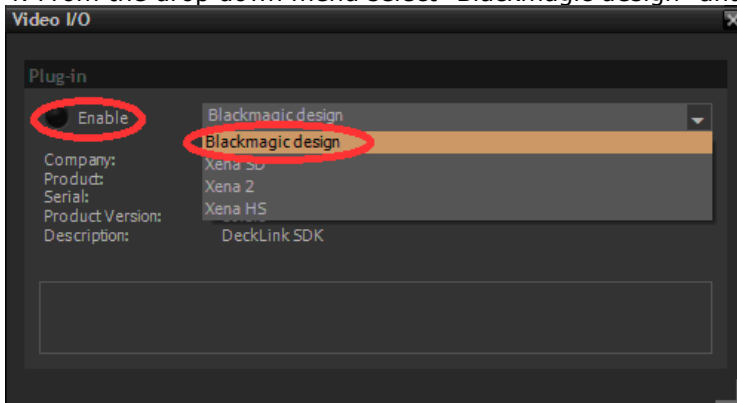
At the bottom, there are two buttons: "Register & Download" and "Download Now". The "Download Now" button is highlighted with a red border.

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.

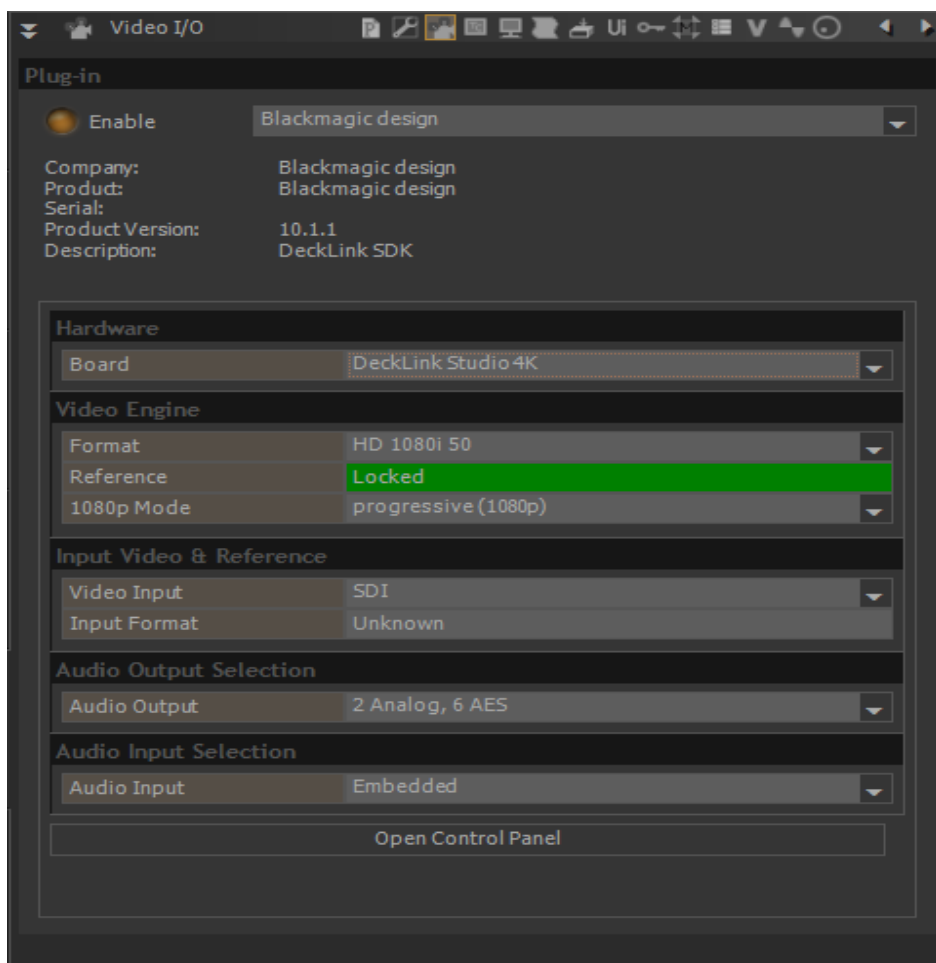
### Behavior description

#### **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:



## 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, 2AES or 2 Audio, 6AES

### **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