

Operation Manual

Videohub Software Control



Mac OS X™

Windows™

September 2014



Welcome

We hope you share our dream for the television industry to become a truly creative industry by allowing anyone to have access to the highest quality video.

Previously high end television and post production required investment in millions of dollars of hardware, and professional SDI routing switchers have always been way too high in cost for most people to afford. HD-SDI is even worse and until now, only the largest post production and television facilities could afford HD-SDI routing. Videohub changes all that and even enables you to pipe 2K film around your studio just like video. We hope you get years of use from your Videohub and have lots of fun connecting everyone in your facility together!

This instruction manual should contain all the information you'll need to install your Videohub, although it's always a good idea to ask a technical assistant for help if you are not sure what IP addresses are, or if you don't know much about computer networks. Videohub is easy to install, however, there are a few slightly technical preferences you will need to set after you install it.

Please check our web site at www.blackmagicdesign.com and click the support page to download the latest updates to this manual and Videohub software. Lastly, please register your Videohub when downloading software updates so we can keep you updated when new software is released. We are constantly working on new features and improvements, so we would love to hear from you!

Grant Petty

Grant Petty
CEO Blackmagic Design

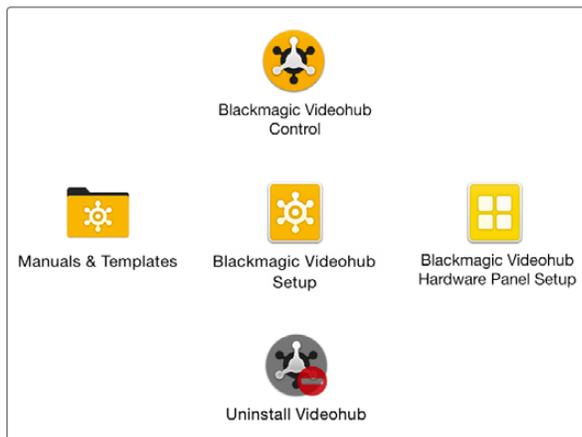
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4 Getting Started



Videohub Control provides an intuitive, icon-driven representation of the Videohub connections.



The Blackmagic Videohub folder contains the three Videohub applications.

Introducing Blackmagic Videohub Control

Blackmagic Videohub Control provides the fastest and most intuitive way to view and switch between multiple sources and destinations without needing to see all Videohub connections at once.

Videohub Control is easy to use because it operates on a single video output at a time. Selecting a destination (output) pushbutton shows which source (input) is connected to it by illuminating the source pushbutton. To change the video source, simply click on a different source pushbutton. It's that easy!

Videohub Control is designed to be simple and intuitive and provide basic configuration options. Accordingly, before operators start using Videohub Control it is advisable to have a system administrator complete labeling and configuration of SDI connectors and RS-422 ports using Blackmagic Videohub Setup.

Installing Videohub Control

Blackmagic Videohub Control runs on the latest Mountain Lion and Mavericks versions of Mac OS X. On the Windows platform, the software runs on both 32 and 64-bit versions of Windows 7 and Windows 8.

Mac OS X installation

Step 1: Double click the installer file from the supplied media or from your downloads folder if you downloaded the software from the Blackmagic Design website.

Step 2: Follow the install prompts and Mac OS X will automatically install the software.

A folder called "Blackmagic Videohub" will be created within your Applications folder. The following three applications are contained within the folder: Videohub Control, Videohub Setup and Videohub Hardware Panel Setup.

Windows installation

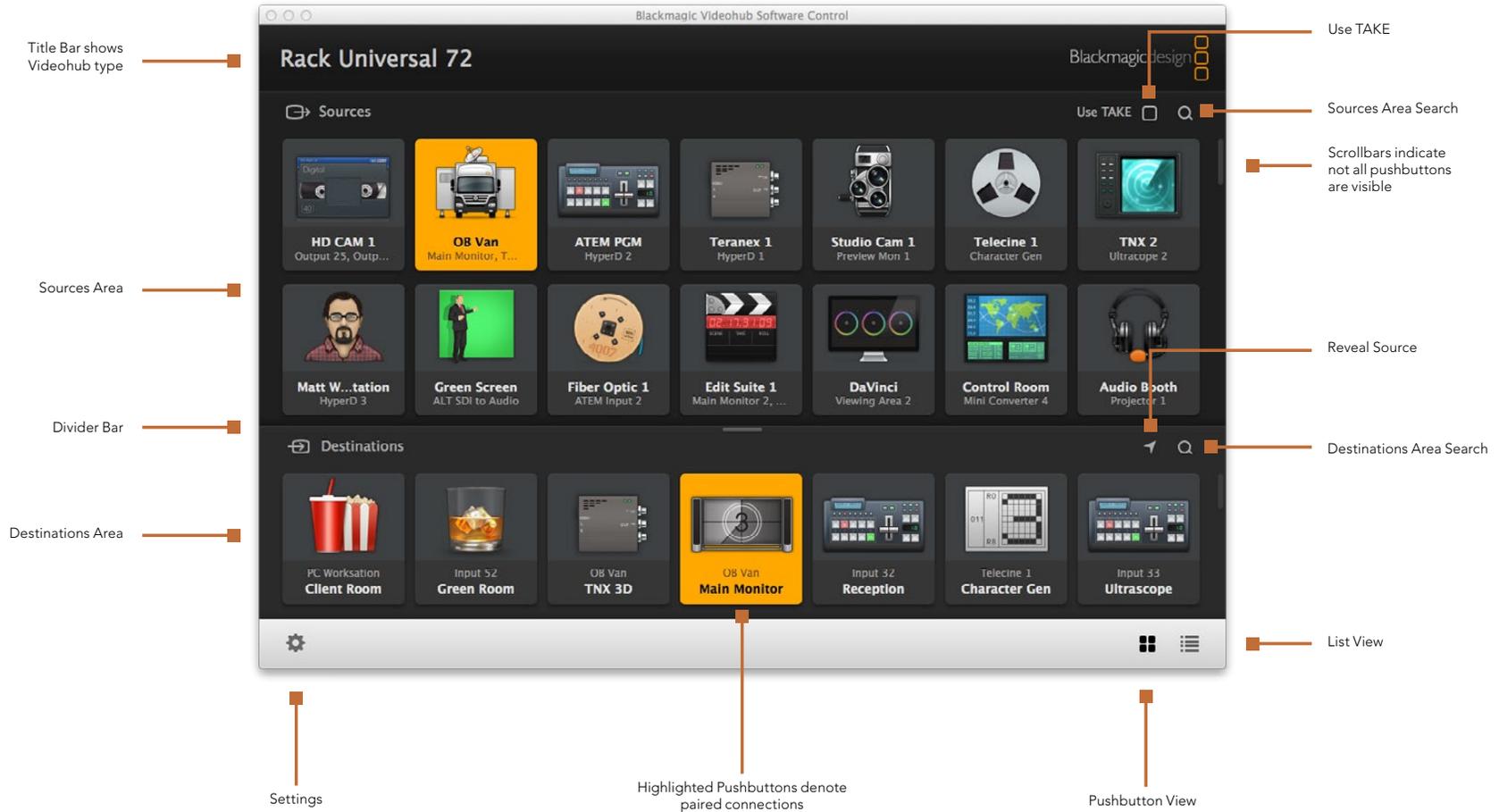
Step 1. Double click the installer file from the supplied media or from your downloads folder if you downloaded the software from the Blackmagic Design website.

Step 2. Follow the install prompts and accept the terms in the License Agreement and Windows will automatically install the software.

Click the Windows Start button and then All Programs>Blackmagic Design>Videohub. The following three applications are contained within the folder: Videohub Control, Videohub Setup and Videohub Hardware Panel Setup.

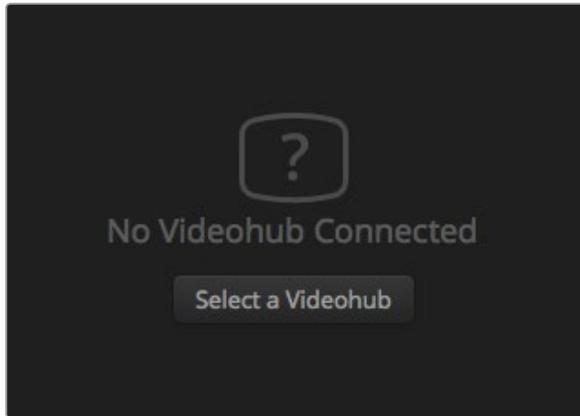
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Blackmagic Videohub Control at a Glance

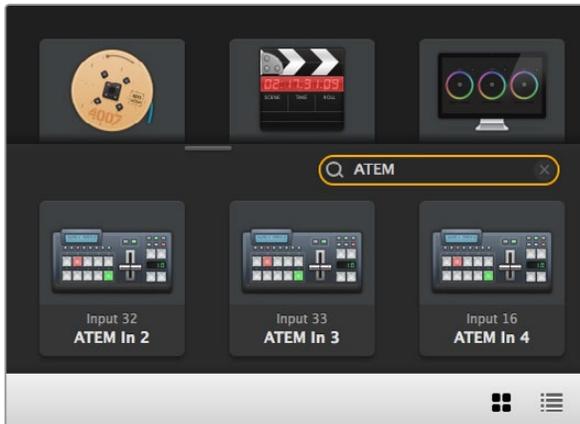


Click and drag the window edges to resize Blackmagic Videohub Control to fit your screen size. Drag the Divider Bar up or down to reveal more or less of the "Sources" and "Destinations" areas and use the Scroll Bars to scroll the areas.

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Click on the "Select a Videohub" button and then select the Videohub you wish to control.



The word "ATEM" is entered into the Destinations Search Box and the filtered results are displayed.

Getting to Know the Interface

Launch Videohub Control and click on the "Select a Videohub" button and then select the Videohub you wish to control.

If the Input, Output and Remote connections have not yet been labeled in Blackmagic Videohub Setup, then the source pushbuttons will appear simply as "Input", followed by their respective numbers. Likewise, the destination pushbuttons will appear as "Output", followed by their respective numbers. These inputs and outputs correspond to the connector numbers on the Videohub.

Resizing the Interface

Click and drag the bottom right hand corner to proportionally resize the interface to best fit your screen size. Alternatively, drag a window edge to resize either vertically or horizontally.

Resizing the Sources and Destinations Areas

Drag the Divider Bar up and down and use the Scroll Bars to scroll the respective areas.

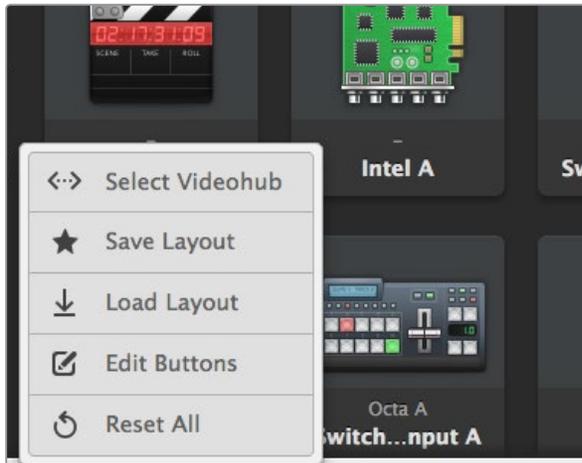
Switching Views

You can switch between pushbutton view and list view by clicking the icons in the bottom right corner.

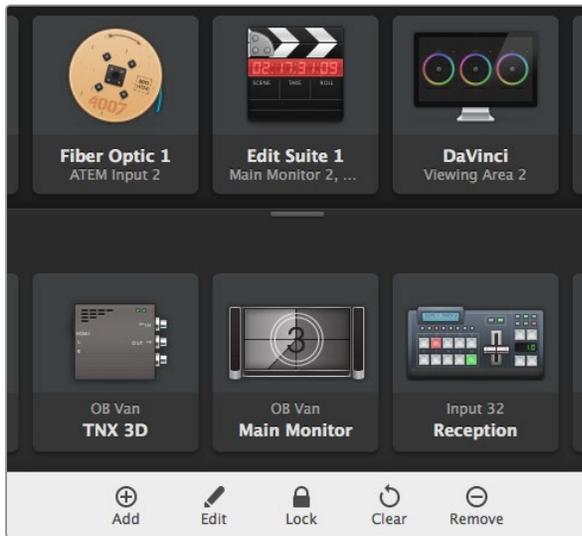
Using the Dynamic Search

Both the Sources and Destinations areas contain a search icon, which allows you to search for text dynamically. This is useful if you have many pushbuttons and quickly want to locate a pushbutton with a specific name. Begin by typing the name you wish to search for. As you type each letter, the pushbuttons that are displayed will be dynamically filtered.

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Click the Settings button to display the above menu.



Click Edit Buttons to display the above buttons.

Menus and Buttons Explained

Settings Menu

Select Videohub

Select from a list of Videohubs that are currently connected to your network.

Save Layout

Save customized pushbutton layouts for the different environments in which you use your Videohub.

Load Layout

Load previously saved pushbutton layouts.

Edit Buttons

Displays the Edit Buttons for editing the pushbuttons.

Reset All

Displays all of the inputs and outputs of the connected Videohub and replaces customized icons with the default icon. Source, destination and deck control settings are maintained.

Edit Buttons

Add

Add a source or destination pushbutton.

Edit

Allows you to set the SDI source or destination, deck control and the icon for the selected pushbutton.

Lock and Unlock

Lock a destination to avoid accidentally changing the video source which is routed to that destination. If you click on a pushbutton that's locked, the Lock button changes into an Unlock button. Simply click the Unlock button to unlock the destination pushbutton.

Clear

Deletes source, destination and deck control settings as well as the icon for the selected pushbutton.

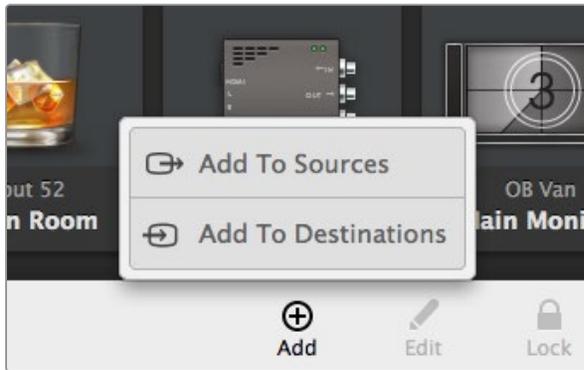
Remove

Removes the selected pushbutton.

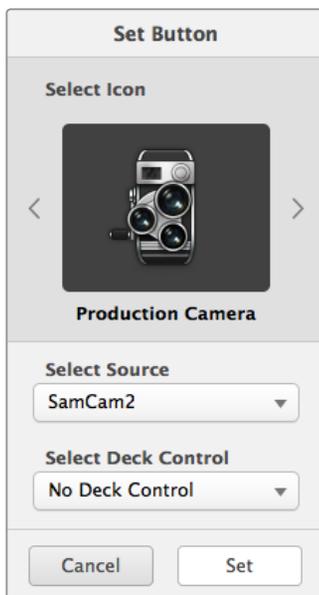
Done

Click the Done button to exit the edit mode.

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Click on the Add button and choose whether to add a source or destination pushbutton.



The Set Button window allows icon selection, source or destination selection and deck control configuration.

Using Pushbuttons

Adding Pushbuttons

Select the Settings button and then select "Edit Buttons". Click on the Add button and choose whether to add a source or destination pushbutton.

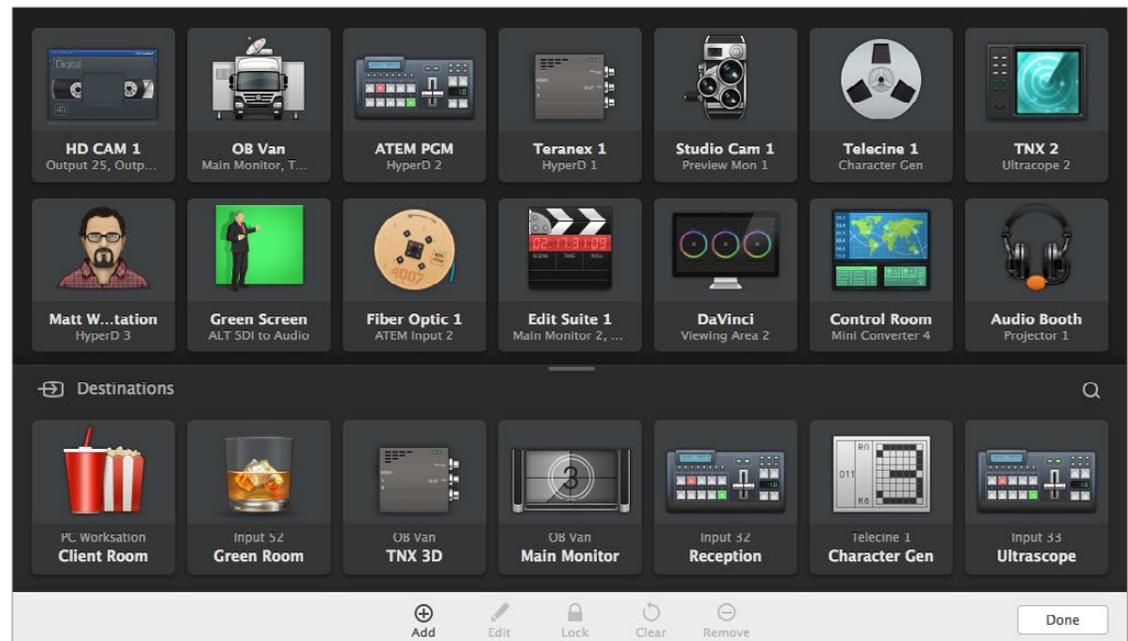
The Set Button window appears and allows you to set the SDI source or destination, RS-422 deck control and the icon for the pushbutton. In most cases, deck control is grouped with the associated SDI source or destination. eg: SDI Input 1 would be associated with the corresponding Remote 1.

Editing Pushbuttons

Select the Settings button, then select "Edit Buttons" and click the pushbutton you wish to edit. Click on the Edit button and modify the source or destination, deck control and the icon as required.

Moving Pushbuttons

Select the Settings button and then select "Edit Buttons". Click and drag the pushbutton to a new position.

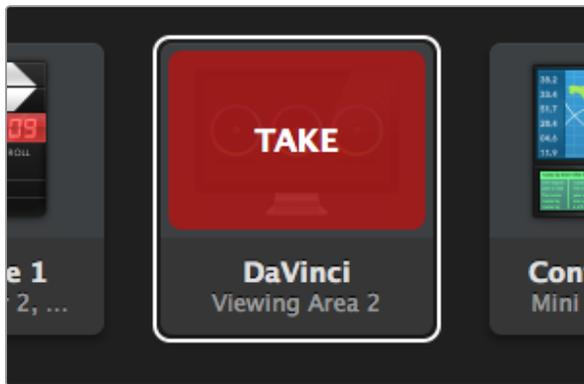


Add a pushbutton by selecting "Edit Buttons" from the settings menu and then click the Add button.

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This destination is unlocked and is available to any Videohub user on the network. The associated video source is illuminated in the Sources panel and the source name "DaVinci" is displayed.



Click the red "TAKE" button to confirm the new route.

Viewing and Switching Routes

Viewing Routes

In order to see which video source has been routed to a video destination, such as a monitor, press the button in the destinations panel to make the button illuminate. The associated video source button will illuminate in the sources panel, making it immediately obvious which source is connected to the monitor.

Reveal Source

If you select a destination but the source is currently positioned offscreen, clicking the Reveal Source button will scroll the Sources area to display the source pushbutton.

Switching Routes

In order to change the video source from a tape deck to a video camera, press a camera pushbutton in the sources panel to immediately illuminate the camera pushbutton and route video to the video monitor. The tape deck button is no longer illuminated and is disconnected from the video monitor.

Use TAKE Confirmation before Switching Routes

You may wish to enable the "Use TAKE" button to help prevent unintentional changes to video routes. Once enabled, any attempt to change a video route using a pushbutton will cause a red "TAKE" button to appear. Select the button to confirm or click the current source or destination pushbutton to cancel.

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Locally locked destinations display a white padlock icon.



Remotely locked destinations display a black padlock icon.

Locking and Unlocking Routes

Locking a destination will avoid accidentally changing the video source which is routed to that destination. To lock a route, select the destination pushbutton and click the Lock button. A padlock icon will appear in the top-right corner of the destination pushbutton and will prevent anyone else from using the destination device until it is unlocked from your computer. Locking a destination still leaves the associated video source available for routing to multiple destinations simultaneously.

If you click on a pushbutton that's locked, the Lock button changes into an Unlock button. Simply click the Unlock button to unlock the destination pushbutton.

To simultaneously lock multiple destinations, shift click the destination pushbuttons you wish to lock and click the Lock button. If you select a mixture of locked and unlocked pushbuttons, you will have the option to Lock the unlocked pushbuttons.

Locking a route between an input and an output also locks the RS-422 deck control connection between the two devices to avoid other users accidentally seizing the deck control belonging to the video source. The RS-422 connection between the video source and video destination will remain locked until the destination pushbutton is unlocked.

A black padlock icon will appear on any destination pushbuttons which other users have locked. The video destination devices will not be available to you until the destination pushbuttons have been unlocked from the other users' computers and iPads.

If you need to unlock a route set by another user, launch Videohub Setup, select the Outputs tab and click the destination's lock icon.

Getting Help

The fastest way to obtain help is to go to the Blackmagic Design online support pages and check the latest support material available for your Blackmagic Design Videohub Control.

Blackmagic Design online support pages

The latest manual, software and support notes can be found at the Blackmagic Design support center at www.blackmagicdesign.com/support.

Contacting Blackmagic Design support

If you can't find the help you need in our support material, please use the "Send us an email" button to email a support request. Alternatively, click on the "Find your local support team" button and call your nearest Blackmagic Design support office.

Checking the version currently installed

To check which version of Videohub Control is installed on your computer, open the Blackmagic Videohub application. From the "Blackmagic Videohub" menu, select "About Videohub" and note the version number.

How to get the latest updates

After checking the version of your Videohub Control on your computer, please visit the Blackmagic Design support center at www.blackmagicdesign.com/support to check for the latest updates. While it is usually a good idea to run the latest updates, it is a wise practice to avoid updating any software if you are in the middle of an important project.

Limited Warranty

Blackmagic Design warrants that Videohub routers will be free from defects in materials and workmanship for a period of 36 months from the date of purchase excluding connectors, cables, cooling fans, fiber optic modules, fuses, keyboards and batteries which will be free from defects in materials and workmanship for a period of 12 months from the date of purchase. Blackmagic Design warrants that Videohub Master Control and Videohub Smart Control will be free from defects in materials and workmanship for a period of 12 months from the date of purchase. If a product proves to be defective during this warranty period, Blackmagic Design, at its option, either will repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product.

In order to obtain service under this warranty, you the Customer, must notify Blackmagic Design of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. The Customer shall be responsible for packaging and shipping the defective product to a designated service center nominated by Blackmagic Design, with shipping charges pre paid. Customer shall be responsible for paying all shipping charges, insurance, duties, taxes, and any other charges for products returned to us for any reason.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. Blackmagic Design shall not be obligated to furnish service under this warranty: a) to repair damage resulting from attempts by personnel other than Blackmagic Design representatives to install, repair or service the product, b) to repair damage resulting from improper use or connection to incompatible equipment, c) to repair any damage or malfunction caused by the use of non Blackmagic Design parts or supplies, or d) to service a product that has been modified or integrated with other products when the effect of such a modification or integration increases the time or difficulty of servicing the product. THIS WARRANTY IS GIVEN BY BLACKMAGIC DESIGN IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED. BLACKMAGIC DESIGN AND ITS VENDORS DISCLAIM ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BLACKMAGIC DESIGN'S RESPONSIBILITY TO REPAIR OR REPLACE DEFECTIVE PRODUCTS IS THE WHOLE AND EXCLUSIVE REMEDY PROVIDED TO THE CUSTOMER FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IRRESPECTIVE OF WHETHER BLACKMAGIC DESIGN OR THE VENDOR HAS ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES. BLACKMAGIC DESIGN IS NOT LIABLE FOR ANY ILLEGAL USE OF EQUIPMENT BY CUSTOMER. BLACKMAGIC IS NOT LIABLE FOR ANY DAMAGES RESULTING FROM USE OF THIS PRODUCT. USER OPERATES THIS PRODUCT AT OWN RISK.

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