

Operation and Installation Update for Dveous/MX software Version 3.1.5 (Quad Twin)

With the introduction of Version 3.1.5 software for Dveous/MX, Quad Twin (8 channel-- 1A,1B,2A,2B,3A,3B,4A and 4B) functionality is now available in both SD and HD formats. Operationally there is almost no difference between SD and HD except for one disk issue which will be discussed at the end of this document. Setup and install is however quite different and we will discuss these each separately.

SD system setup and installation

The system requirements for SD Quad Twin is one 5200 chassis configured as a 5200-2 or higher. What that means is that at least 2 transform boards must be installed and running in the chassis. You can check this by pushing ENG menu and looking at the control panel display. Also the system must have a 1GHz processor in order to enable Quad Twin functionality. (Please see V3.1.5 software release notes or contact Accom technical support for more information regarding this processor). Finally the system must be running V3.1.5 (or higher) software. Since Quad Twin is an 8 channel device it is also highly recommended that 5200 INP-2 be installed in the system to allow up to 12 sources to feed the 8 channels. Your Quad twin system is now ready to operate (please see Dveous/MX technical Guide for further installation and technical information)

HD system setup and installation

The system requirements for HD Quad Twin is two 5200 chassis' fully loaded. That means that both systems must be 5200-3 or have 4 transform boards installed and running (again check panel display under ENG menu to see what boards are installed. 5200-INP-2 is required in both chassis for HD Quad Twin operations. As with SD a 1GHz transform boards and V3.1.5 (or higher) software must be installed in both chassis.

Chassis 1 (which we will call MASTER) will feed chassis 2 (SLAVE). Output 1 from the Master must be fed to Input 11 on the Slave. This will be Video feed. Output 2 from Master will feed Input 12 on Slave. This will be you Key feed. (These outputs are hard wired into the code so the Output Config parameters will have no effect on these 2 outputs.). This will now

enable Quad Twin operations for HD mode. As for feeding inputs, the same source should be fed to the same input on both Master and Slave. This way there will be no confusion when selecting sources. The control panel is connected to the Master chassis and for all practical purposes; the user should now see this as one machine. All combined outputs will come from the Slave chassis although you will still have 4 outputs on the Master chassis that can be configured for the first 4 channels if wanted. All other technical information is available in the Dveous/MX technical guide.

Quad Twin Operations for both SD and HD systems

This document is meant to highlight changes brought about specific to Quad Twin functionality. All normal Dveous/MX operations and functionality is still preserved.

Channel Select

A new keycap has been added to the bottom left of the System Menus (left of Acquire). This keycap is not supplied with the software and is available from Accom Tech Support (part # 3500-1431) if you do not have it already installed. This button will toggle the channels between (G1,1A,1B,2A,2B) AND (G2,3A,3B,4A,4B). Your Channel Buttons on the left side of control panel will correspond to whichever of the 2 groups is selected with the Channel Select button. This allows you to delegate and select channels in the same fashion as Dual Twin mode.

Toggling the Channel Select will also determine which channels the 4 Freeze buttons will affect. And also Timeline and Effects Menus will show the status of the currently selected channels.

Quad Twin ON/OFF

In the ENG menu there is a Quad Twin ON/OFF selection. This allows for users to switch between Dual and Quad Twin capabilities.

Global 2 (G2)

Global 2 is identical to Global 1 in that it performs all Global functions for Channels 3A, 3B, 4A and 4B. This includes combining and z-keying between these individual channels. (See combiner menu below).

Combiner

When G1 is selected as Master then there is no change to this menu. However if G2 is selected then the 3rd softkey (TFS) changes to Combiner. This is the menu for combining and z-keying between channels 1-2 and 3-4. The menu will have the same parameters as the DVE softkey.

Under TFS (when G1 is selected) there is a source selection. This will enable you to get TFS parameters on all 8 channels. 1234 Comp is the default setting and will allow TFS on all channels. Source selection for just 3 and/or 4 is not yet enabled.

Supermatte and Target Frame store

These are functions only of G1 and can be used on all 8 channels if selected as a source in Input (for Supermatte) or in Combiner TFS (for Target Framestore)

Output Setup

Config is now changed to allow output selections for all 8 channels in multiple combinations of Video or Key. V3.1.5 software also has a “new” setting called 1234 Bgd Key. This will give a full white key signal and is not functioning in Quad Twin HD mode.

Freeze

Like the Channel buttons the Freeze buttons will correspond to the four channels selected under Channel Select toggle.

Field

This menu has changed to allow field 1, field 2 or frame Freeze selections for all channels. There is a Channel 1-2 and Channel 3-4 mode.

Cursor

Added all channels to Cursor Store. Cursor will appear for all designated channels.

Timeline

Timeline menu will update between channels as Channel Select is toggled. All timeline functions remain the same and keyframes can be added to any designated channel. Quad Twin effects will be able to be run on a Dual Twin Dveous/MX (channels 3A-4B will not be available) but may have some difficulties running on a classic Dveous (5100). Most previous Dveous or Dveous/MX effects will be able to be run on a Quad Twin system.

NOTE: Brutus effects will not run on a Quad Twin system as the effect structure is completely different.

Disk operations when using Quad Twin HD system

Since there are 2 chassis' involved; currently when loading and recalling JPEG files you must be sure that the same files are loaded to both chassis. This can be done via floppy by simply moving the control panel to chassis 2 (Slave) or via FTP with each chassis connected as a separate IP address. This is considered a known bug and will be looked at in a later software release.

For all other operations please see Dveous/MX operations manual. Both manuals (Technical Guide and Operations) shipped with your system and are also available on the Accom website (www.accom.com). Contact Accom Tech Support (650-328-3818) for any other questions.