

P390

Data Sheet

PG3A Pattern Generator
P390 – “Hydra” Merge Cable
August 2008 - Rev 1.2



PG3A Pattern Generator P390 – “Hydra” Merge Cable

1.0 General:

The P390 Merge Cable allows a user to link two, three, or four PG3As to form a logically wider unit. The “merged” unit will function as if it were physically one unit. Details of operation can be found in the PG3A Users Manual.

2.0 Requirements:

The P390 Cable works with all current PG3AMod and PG3ACab models. The instrument firmware must be V1.4 or higher. The PGApp software must be V2.0.014 or higher. Updated versions of the instrument firmware and the PGApp software can be freely downloaded from the PG3A website: www.movingpixel.com/PG3A.html.

3.0 Description:

The standard PG3A provides 64 output channels. This is not enough for some applications. The P390 cable allows a user to connect units together so that they share the time base, user clock, and user events so that each unit operates in lock step with the others. This will enable a user to form a logical unit that can support up to 256 output channels.

One unit is designated the master unit. Units and their physical-logical position are indicated by the display on the front of each unit as well as by serial number reference in the PGApp software.

Events and the User clock flows through the Master unit. Events and clocks presented to the slave units are not supported.

4.0 Specification and Operational Changes in Merged operation

It is believed that there are no significant changes to the PG3A specifications while using the P390. However, this is still being characterized and is subject to revision in the future.

Option P3DDR will operate while using the P390 without special consideration.

Contact information:

If you have a question concerning operation of this option, please contact **The Moving Pixel Company** as follows:

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You may wish down the user manual or review other information on our website:
www.movingpixel.com/PG3A.html.