



# Matrix MultiCard

## Software for Titan, Callisto, and Europa Systems

GRT's Matrix MultiCard software provides easy control of multiple ARINC 818 channels through an intuitive GUI. It is compatible with GRT's Matrix series PCIe cards and is available as an option for GRT's Europa, Callisto, or Titan systems. The software is ideal for engineering development, factory test, simulation applications, or any applications requiring multiple channels of ARINC 818 video.

Top ribbon displays indicators for selected card

Green viewport frame identifies selected card

Left panel displays controls and card parameters

Viewports display incoming video from any card configured as a receiver. Doubleclick any viewport to enlarge its content to the full window.

Captions report status of individual cards

## Managing multiple cards

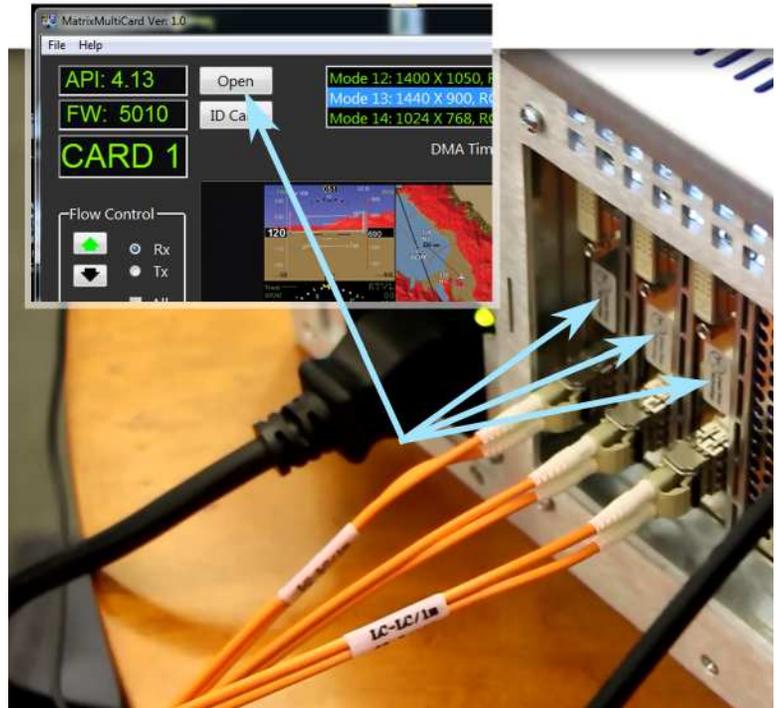
Matrix MultiCard will automatically find all Matrix cards installed in your system, then create an independent viewport for each card. From the GUI, you can designate each card's function (transmitter or receiver) in any combination. The status of each card is presented below its viewport. When a viewport is selected, critical information about that particular ARINC 818 channels is displayed.

## ARINC 818 transmitters

Matrix cards can be configured to transmit static bitmap images, test patterns, or motion video from .mp4 or .avi files. Snippets of video can be played in continuous loops for extended tests. You can also use Matrix MultiCard to load unique ARINC 818 Object 0 data into each transmitter.

## ARINC 818 receivers

When cards are configured as receivers, you can view multiple incoming ARINC 818 video streams live in the GUI. By double clicking the viewport, you get a full-screen view of the incoming ARINC 818 video. The application also has the ability to view incoming Object 0 data in the GUI.



**Matrix MultiCard's Open feature finds and creates a viewport for every Matrix or Matrix Plus card in the system.**

## Additional features

Matrix MultiCard can manage up to nine Matrix cards in a system. It simultaneously handles video cards of different resolutions and frame rates.

Once you have configured a set of cards for your precise testing needs, you can save that configuration to a file and easily reload it in the future.

Matrix MultiCard also has an ID Card feature that makes managing multiple cables easy. When a viewport is selected, ID Card will light an LED on the physical board associated with that viewport.

## How to buy

Matrix MultiCard can be purchased as an option for or upgrade to any Titan, Callisto, or Europa system or recorder from Great River Technology.

Consult our Distributors page:

(<http://www.greatrivertech.com/resources.html>)

If none is listed for your region or country, order directly from Great River Technology.

For more on GRT Titan, Callisto, and Europa systems, consult our Systems and Recorders page:

(<http://www.greatrivertech.com/arinc-818-video-recorder.html>)



**The Header window in Matrix MultiCard provides a detailed view of ARINC 818 header information.**