

## Configuring the NI 6218-BNC USB DAQ Box for use with MiDAS DA

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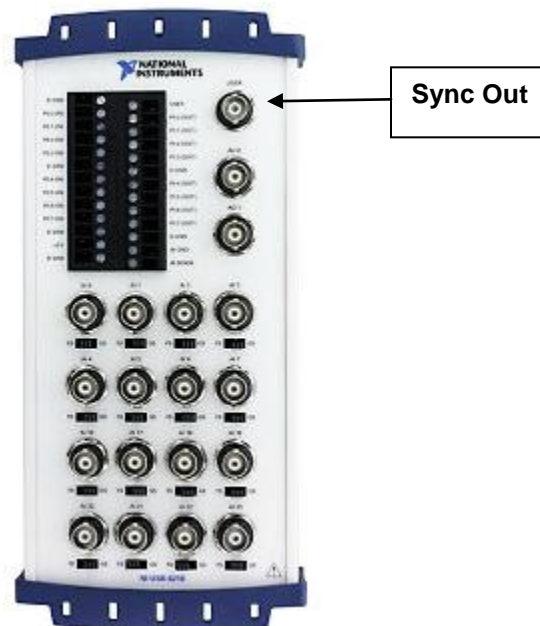
### Abstract

This application note describes the procedures for installing jumper cables and labels on a model 6218-BNC USB DAQ box from National Instruments for use with MiDAS DA.

### Instructions

MIDAS DA is designed to work with a wide range of hardware from National Instruments. In order to properly route synchronization and trigger signals to the appropriate BNC connectors on hardware not purchased from Xcitex, users must attach jumpers to the screw terminal block.

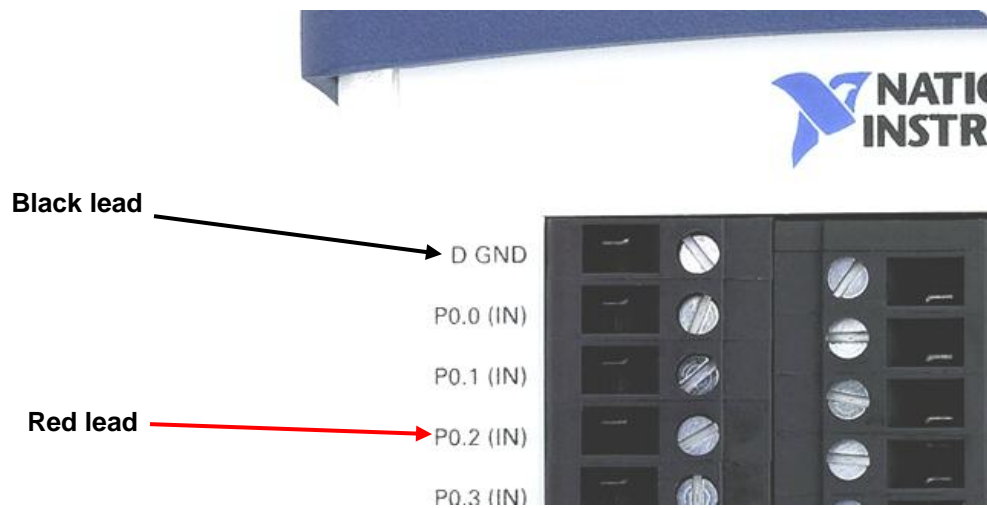
1. Re-label the BNC connector on the top right named USER to **Sync Out**, as shown below.

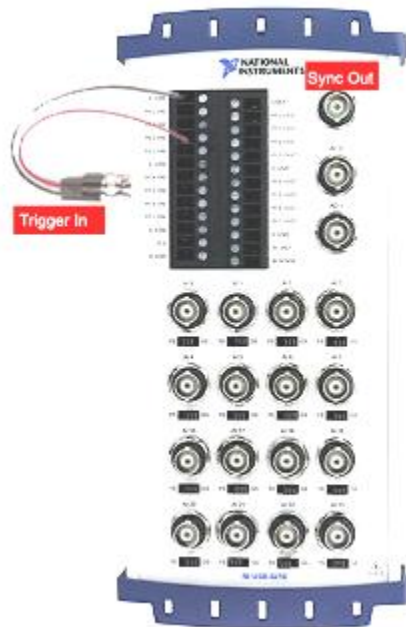


- Using a BNC to 2-wire adapter (BNC pigtail) as shown below,

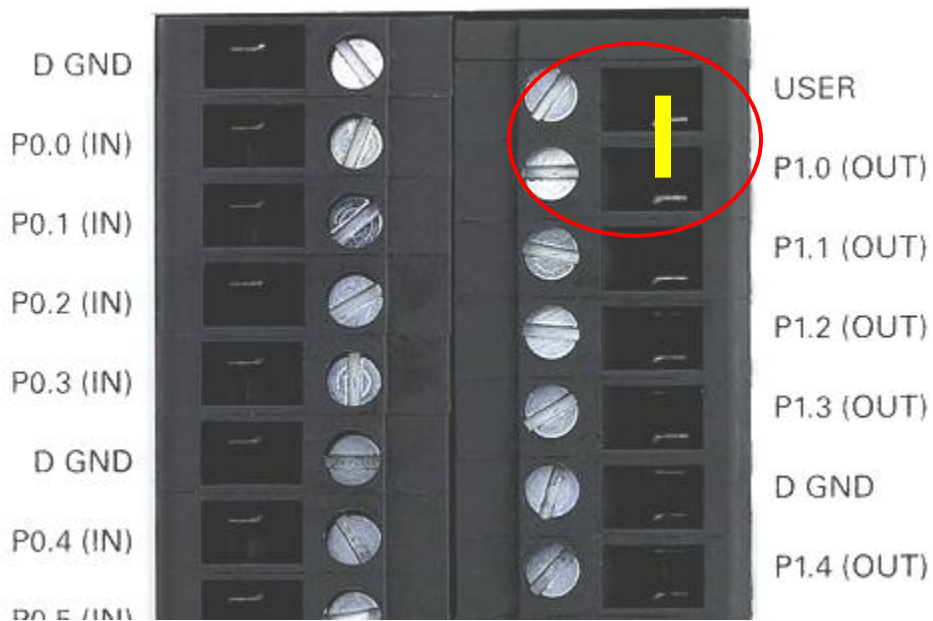


connect the black lead (-) to **D GND** and connect the red lead (+) to **P0.2 (IN)**. Label this new BNC connector **Trigger In**, as shown in the following pictures.

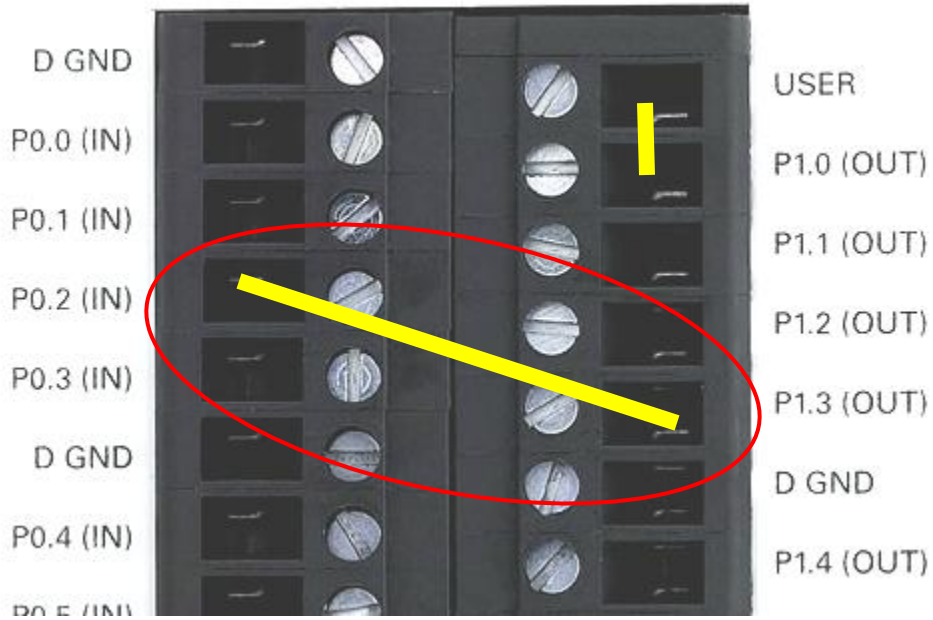




3. Wire a jumper from **P1.0 (OUT)** to **USER**, as shown below.



4. Wire a jumper from **P1.3 (OUT)** to **P0.2 (IN)**, as shown below.



5. To start using your configured MiDAS DA hardware, please consult your *MiDAS DA User Guide*.



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