



Configuring NI USB BNC Boxes 6221, 6229, 6251, 6259 for use with MiDAS DA

Date Published: April 2011

Revised: December 2012

Abstract

This application note describes the procedure for installing jumper wires and labels on a customer-supplied USB BNC DAQ box from National Instruments for use with MiDAS DA. These instructions apply to models 6221, 6229, 6251, and 6259.

Introduction

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, users must attach jumpers to the screw terminal block.

Supported Model Numbers

NI USB-6221 BNC
NI USB-6229 BNC
NI USB-6251 BNC
NI USB-6259 BNC

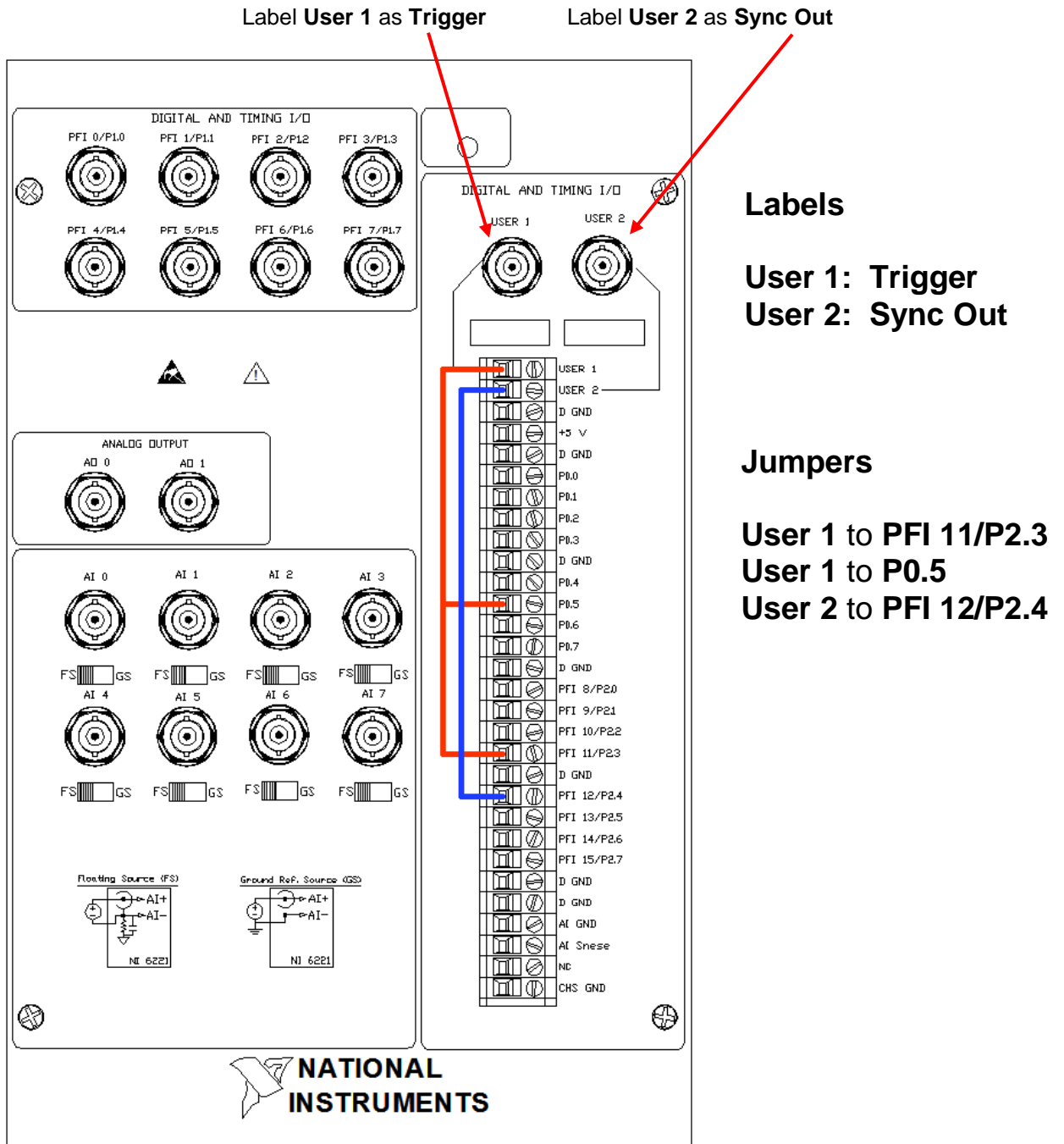
Jumper Wires

You must install three jumper wires on your USB breakout box as shown on the following page.

- The first jumper connects the **User 1** and **PFI 11 (P2.3)** terminals.
- The second jumper connects the **User 1** and **P0.5** terminals.
- The third jumper connects the **User 2** and **PFI 12 (P2.4)** terminals.

Labels

Label the two custom user BNC terminals (User 1 and User 2, located above the jumper wires) as shown below.



Using MiDAS DA

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

This application note is copyrighted by Xcitex Inc. and is supplied without specific warranty to any purpose and based on information currently available at the time of this writing. All specifications stated herein are subject to change without notice.

For further information on Xcitex products, visit www.xcitex.com or send an email to info@xcitex.com.

Xcitex Inc.
25 First Street, Suite 105
Cambridge, MA 02141 USA

