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**** Read Me First ****  
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Version 1.0.0.0  
Sept, 2010

Introducing the Keithley IVI Driver for the 707B and 708B Switching Mainframe

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This instrument driver provides access to the functionality of the Keithley 70xB through a COM server which also complies with the IVI specifications. This driver also presents an IVI-C driver via the Ke70xB.dll. This driver works in any development environment which supports COM programming including Microsoft® Visual Basic, Microsoft Visual C++, Microsoft .NET, Agilent VEE Pro, National Instruments LabVIEW, and others.

#### Supported Instruments

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##### Frame:

707B - 6 slot  
708B - 1 slot

##### Cards:

7072  
7072HV  
7073  
7173  
7174

#### Installation

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**System Requirements:** The driver installation will check for the following requirements. If not found, the installer will either abort, warn, or install the required component as appropriate.

##### Supported Operating Systems:

Windows 2000  
Windows XP  
Windows Vista

##### Shared Components

Before this driver can be installed, your computer must already have the IVI Shared Components installed.

Minimal IVI Version: 2.0.0

The IVI Shared Components installer is available from:  
<http://www.ivifoundation.org/Downloads/SharedComponents.htm>

VISA-COM

Any compliant implementation is acceptable. Typically, VISA-COM is installed with VISA and other I/O library modules.

## Additional Setup

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### .NET Framework

The .NET Framework itself is not required by this driver. If you plan to use the driver with .NET, the minimal .NET framework version is 2.0.

The .NET Framework requires an interop assembly for a COM server. A Primary Interop Assembly, along with an XML file for IntelliSense is installed with the driver. The driver's PIA, along with IVI PIAs are installed, by default, in:  
<drive>:\Program Files\IVI Foundation\IVI\Bin\Primary Interop Assemblies

The PIA is also installed into the Global Assembly Cache (GAC) if you have the .NET framework installed.

## Start Menu Shortcuts

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A shortcut to the driver help file is added to the Start Menu, Programs, IVI, Ke70xB group. It contains "Getting Started" information on using the driver in a variety of programming environments as well as documentation on IVI and instrument specific methods and properties.

You will also see shortcuts to the Readme file and any programming examples for this driver.

## Help File

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The help file (Ke70xB.chm) is located in the directory:  
<drive>:\Program Files\IVI Foundation\IVI\Drivers\Ke70xB

## Examples

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The examples can be found by clicking on the shortcut in the Start menu. The examples for C#, VB.NET, C++ and VB6 use the IVI-COM driver. The LabWindows/CVI examples use the IVI-C driver.

The minimum ADE/IDE versions to run the examples are: Visual Studio 2005, VB6 and LabWindows/CVI 8.0.

## Revision History

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Version	Date	Notes
0.1.0.0	May 19th, 2010	Release to audit group
1.0.0.0	Sept 1st, 2010	Initial public release

## Support

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To report bugs or provide feedback on this driver email:  
InstrumentDrivers@Keithley.com

## IVI Compliance

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IVI-COM/IVI-C IviSwtch Specific Instrument Driver

IVI Instrument Class: IviSwtch

IVI-4.6\_Swtch\_v3.0

Group Capabilities:	Supported:
IviSwtchBase	yes
IviSwtchScanner	yes
IviSwtchSoftwareTrigger	yes

Optional Features:	
Interchangeability Checking	no
State Caching	no
Coercion Recording	no

Driver Identification:	
Vendor:	Keithley Instruments.
Description:	70xB Switch Driver
Revision:	1.0
Component Identifier:	Keithley.Ke70xB
Prefix:	Ke70xB

Hardware Information:	
Instrument Manufacturer:	Keithley Instruments.
Supported Instrument Models:	707B, 708B
Supported Bus Interfaces:	USB, GPIB, LAN (VXI-11 or Raw sockets). Raw socket communication uses port 5025.

32-bit Software Information:	
Supported Operating Systems:	Windows 2000, Windows XP, Windows Vista 32
Support Software Required:	VISA
Source Code Availability:	Source code included with driver.

64-bit Software Information:	
Supported Operating Systems:	Windows Vista 64
Support Software Required:	VISA
Source Code Availability:	Source code included with driver.