

DAQmx Library for HTBasic

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This is the installation program for the DAQmx DLL library for TransEra HTBasic 9.0 and higher.

Version: 1.60.48
Date: 10-May-2011

This file contains the latest information about the DAQmx Library for HTBasic Release. Please read carefully BEFORE you install the software.

The DAQmx Library for HTBasic is copyrighted software and requires a license. A demo version can be downloaded from <http://www.TechSoft.de/daqmx>

System requirements

The DAQmx Library for HTBasic is designed to run on Windows 98, Windows Me and Windows NT/2000/XP/2003/Windows 7. It is an add-on library for HTBasic for Windows and does not run as a standalone application. HTBasic for Windows 9.X and HTBasic 10 are fully supported. Older HTBasic versions can be used with limitations.

Under Windows 9x a minimum of 16MB RAM is recommended. Windows Me/NT/2000 requires 64MB of RAM, 128 MB RAM is recommended. Windows XP requires 128 MB, Windows 2003 requires 512 MB RAM. Approximately 10 MB of free disk space is required in order to install the files.

The Measurement & Automation Explorer version 8.0 or higher from National Instruments must be installed before you can use the DAQmx Library for HTBasic software.

IMPORTANT: 'Support for Microsoft Visual C' must be installed.

*** IMPORTANT NOTE !! ***

The library is compatible with NI-DAQ 9.0 (released July 2009). The installer automatically detects the installed NI-DAQ version by checking the registry and install the proper HTBasic driver DLL.

If you have installed a newer NI-DAQ version *after* you have installed the DAQmx for HTBasic Library you must install the DAQmx for HTBasic Library again. Setup will then update your installation in order to support the newer functions.

Example Programs

After the installation you will find several example programs in the directory "HTB EXAMPLES".

The example programs can be used as follows:

- Start HTBasic for Windows
- If not yet configured long filenames, enter the following command:
CONFIGURE LONGFILENAMES ON
- Select the option "Change MSI on Open" in the File menu of HTBasic.
- In HTBasic, Select "File -> Open..." and go to the examples directory (e.g. "c:\Program Files\Tech Soft\DAQmx for HTB\HTB Examples")
- LOAD the desired example program, e.g. "Combined_daqmx_example.prg"
- Start the example program (RUN)

readme.txt

- Follow the instructions on the screen

Online Documentation

We provide a comprehensive pdf manual (170+ pages).

Support

If you have questions or problems please report them to:

Tech Soft GmbH
Test & Measurement Division
Karmeliterweg 114
13465 Berlin, Germany

Email: HTB@TechSoft.de
<http://www.TechSoft.de>

List of new features and fixes since last release

10-May-2011 ** 1.60.48 **

- Bug fixes: Some other function may crash under certain circumstances

05-May-2011 ** 1.60.47 **

- Bug fix: Function `FNHx_crcifreqchan` crashed under certain circumstances

21-Jan-2011

- 4 new functions supported:
 - `DAQmxSetCOPulseFreq`
 - `DAQmxSetCOPulseDutyCyc`
 - `DAQmxSetBufferAttribute`
 - `DAQmxSetTrigAttribute`

21-Oct-2009

- New function `DAQmx_SelfTestDevice`

17-Mar-2009

- Now compatible with HTBasic 10.0
- New function `FNHx_getsfpath$`
- Updated documentation
- Installer / uninstaller now digitally signed

06-Nov-2008

- One new calibration function:
 - `DAQmxGetAIDevScalingCoeff`

29-Sep-2008 ** 1.40.039 **

- Three new calibration functions:
 - `DAQmxGetAIChanCalPolyForwardCoeff`
 - `DAQmxSetAIChanCalPolyForwardCoeff`
 - `DAQmxResetAIChanCalPolyForwardCoeff`

27-Mar-2008 ** 1.40.038 **

- Small file permission fix in function library file `"daqmx_htb.lib"`
- HTBasic library will now work with earlier `daqmx_htb.dll` files when a newer NI-DAQmx version is installed (this works around a problem introduced by NI in NI-DAQmx 8.7.1)

readme.txt

- Revised example program "EveryNSamples_callback_test.prg"
- 07-Mar-2008 ** 1.40.036 **
- NI-DAQmx 8.7.1 is now fully supported (8 new functions)
 - Updated manual includes all new functions for NI-DAQmx 8.7.1
- 01-Feb-2008 ** 1.30.033 **
- Demo version now supports up to two physical tasks on real hardware
- 06-Dec-2007 ** 1.30.033 **
- 15 new functions implemented:
 - DAQmxGetCalDevTemp, DAQmxGetSelfCalLastTemp, DAQmxGetExtCalLastTemp
 - DAQmxGetSelfCalLastDateAndTime, DAQmxGetExtCalLastDateAndTime
 - DAQmxRestoreLastExtCalConst, DAQmxChangeExtCalPassword
 - DAQmxGetExtCalRecommendedInterval, DAQmxAdjustDSAAICal
 - DAQmxAdjustDSAAOCal, DAQmxAdjustDSATimebaseCal
 - DAQmxAdjust4204Cal, DAQmxAdjust4220Cal, DAQmxAdjust4224Cal
 - DAQmxAdjust4225Cal
 - Documentation updated
- 02-Oct-2007 ** 1.30.031 **
- 41 brand new functions for compatibility with NI-DAQmx 8.6
 - Setup now detects if a proper NI-DAQ driver software is installed and terminates the installation if the required driver software could not be found
 - Updated pdf manual, covering all new 250+ functions
 - Updated installer, now detects future NI-DAQmx versions >8.6
- 05-Sep-2007 ** 1.20.027 **
- 216 brand new functions for compatibility with NI-DAQmx 8.5
- 04-Jul-2007 ** 1.13.007 **
- FNHx_init: Now detects HTBasic version mismatch (required: HTBasic 9.0)
 - Proper daqmx_htb.dll will be automatically loaded (runtime / development)
- 26-Jun-2007 ** 1.13.006 **
- Added new example program "ContGen-IntClk.prg"
 - Added new example program "VoltUpdate.prg"