

# NI-488.2 for LabVIEW Real-Time, Version 19.0 Readme

April 2019

This file contains important information about NI-488.2, including new features and a partial list of bugs fixed for NI-488.2 Version 19.0.

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## Compatible Software

This driver version is recommended for use with the following National Instruments software:

- NI-VISA 19.0
    - Any version of NI-VISA prior to 5.1 on your system may cause NI-488.2 usability issues. Upgrade to NI-VISA version 5.1 or later before using any NI-488.2 devices.
  - LabVIEW 2016, 2017, 2018, and 2019
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## Supported Hardware

NI-488.2 for LabVIEW Real-Time, Version 19.0, supports the following GPIB interfaces:

- Desktop RT with NI PCI-GPIB
  - Desktop RT with NI PCIe-GPIB
  - NI PXI controller with built-in GPIB
  - NI PMC-GPIB
  - NI PXI-8232
  - NI PXI-GPIB
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## Enhancements and Bug Fixes in Version 19.0

NI-488.2 for LabVIEW Real-Time, Version 19.0, adds support for LabVIEW Real-Time 2019 and LabVIEW Real-Time on Linux. Added support for 32-bit Package Manager and deprecated the previous install process.

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## Enhancements and Bug Fixes in Version 18.5

### LabVIEW Real-Time 2018

NI-488.2 for LabVIEW Real-Time, Version 18.5, adds support for LabVIEW Real-Time 2018.

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## Enhancements and Bug Fixes in Version 17.6

The following issues were resolved in NI-488.2 17.6

**670170:** A hang might occur during an I/O operation if a Service Request is stuck when Autopolling is happening.

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## Enhancements and Bug Fixes in Version 17.0

### LabVIEW Real-Time 2017

NI-488.2 for LabVIEW Real-Time, Version 17.0, adds support for LabVIEW Real-Time 2017.

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## Enhancements and Bug Fixes in Version 16.0

## LabVIEW Real-Time 2016

NI-488.2 for LabVIEW Real-Time, Version 16.0, adds support for LabVIEW Real-Time 2016.

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## Enhancements and Bug Fixes in Version 15.5

### The following issues were resolved in NI-488.2 15.5

Issues resolved in NI-488.2 15.0.1 were ported to the NI-488.2 for LabVIEW Real-Time, Version 15.5 release.

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## Enhancements and Bug Fixes in Version 15.0.1

### The following issues were resolved in NI-488.2 15.0.1

**547340:** GPIB ports may not be reported in NI MAX, Web Configuration, and System Configuration API with NI-488.2 15.0.0.

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## Enhancements and Bug Fixes in Version 15.0

### Updated experience in Measurement & Automation Explorer (MAX)

The configuration experience in MAX has been updated to improve consistency with other NI products. Self-Test has also been added for GPIB interfaces.

### Web configuration

GPIB interfaces are now fully configurable through the NI Web Configuration interface. Self-Test has also been added.

### The following issues were resolved in NI-488.2 15.0

**121091:** Calling `ibonl` when a board level `ibwait` is in progress could result in application crash.

**121181:** A deadlock might occur when attempting to use a board handle with pending `ibonl` call on another thread.

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## Enhancements and Bug Fixes in Version 14.0

### The following issues were resolved in NI-488.2 14.0

**122997:** The EOIP status bit could remain set incorrectly if an `ibwrta` or `ibrda` call returned an EDVR error.

**205182:** Asynchronous transfers could sometimes report EABO even though the transfer completed successfully.

**405414:** In some cases the DCAS bit was not correctly cleared after being reported, causing it to be reported with subsequent calls.

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## Driver Version Naming Changes

NI-488.2 versions are now aligned with the versions of major NI application software products. This alignment gives you information about the year the driver was released and the most recent software version the driver was designed to work with. Driver versions now start with a two-digit year indicator: `<ProductName><Year-BasedVersion>`. The last version released under the old numbering scheme was NI-488.2 3.1.2. The first version released under the new numbering scheme was NI-488.2 14.0.

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