Barcode Manager Software - Release Notes

Release Notes

This document contains information on current and past releases of Barcode Manager software and ABR barcode firmware. Refer to the Compatibility Matrix below to determine the software version for your model.

Version 1.8.2.19 (2022R1)   May 2022

Resolved Issues
- ☑ ABR 3000 firmware fix to accept reconnections when acting as Modbus/TCP Server.
- ☑ ABR 7000 firmware fix for intermittent Ethernet connection failure on boot up.

Version 1.8.2.16 (2020R1)   June 2020

- ☑ Supports of new models ABR 7000 models: ABR72L9RPE2, ABR72L9RDE2, ABR72L16WSE2, ABR72L16RDE2 and ABR71L9WPE2.
- ☑ New Modbus/TCP server in addition to Modbus/TCP client.
- ☑ Web Monitor now supports switching between different configuration files.
- ☑ View live code quality graphs in Web Monitor.
- ☑ Motion sensor sensitivity adjustment now available.
- ☑ Updated terminology and menu visibility throughout software.
- ☑ New emulator available for ABR 3000 1.2MP models.

Resolved Issues
- ☑ Dynamic Tuning now functions in the Automatic Setup window.
- ☑ ABR 3000 device lock up when editing Modbus/TCP client settings.
- ☑ Connection crash on ABR 3000 when changing the Modbus/TCP Client channel's remote port settings.
- ☑ Red Status LED lights no longer light up when in Presentation Mode on a successful good read.

Version 1.5.5.155 (2019R2)   March 2019

Resolved Issues
- ☑ ABR 3000 firmware fix to allow for connection to Siemens Industrial protocol.

Version 1.5.5.154 (2019R1)   January 2019

- ☑ Connect Barcode Manager application to barcode readers to configure and monitor the reader.
- ☑ Initial release of ABR3009-WSU2, ABR3009-WSE2, ABR3009-WSU1, ABR3009-WSE1, ABR3106-WSU2, ABR3106-WSE2, ABR3106-WSU1, ABR3106-WSE1, ABR3106-WPU2, ABR3106-WPE2, ABR7109-RSE2, ABR7109-MSE2, ABR7112-RSE2, ABR7116-RSE2, ABR7106-RSE2, ABR7106-MSE2, ABR71L9-RSE2, ABR71L9-MSE2 and Barcode Manager application.

Barcode Manager System Requirements

Administrative rights are required to install the Barcode Manager.
- Operating System: Microsoft Windows version 7, 8, or 10.
  - o   Note: Windows XP no longer supported in version 1.8.2.16, Windows Embedded not supported.
- System Type: 32-bit or 64-bit
- Hard Drive Space: 2 GB hard disk for 64-bit machines; 1 GB hard disk for 32-bit machines
- Memory (RAM): 1 GB RAM

- Processor: 2.00 GHz or faster microprocessor
- Screen Resolution: One 19-inch or larger monitor, optimized for 1280×1024 resolution
- Third-Party Software: Google Chrome, Mozilla Firefox, Microsoft Internet Explorer, Opera, etc.
- Connection: 100 Base-T Ethernet

Barcode Manager for ABR Series Software Compatibility

The table below indicates the software version compatibility among all releases of the Barcode Manger, barcode reader firmware and all supported device models. Underneath each sensor family are the specific models. Hardware revisions for each model are indicated within the table.

Banner Engineering recommends using the latest versions of software whenever possible.

Software Compatibility Matrix

ABR 3000 Series Models

Software Release Label	Firmware Binary	ABR3009-WSU2, ABR3009-WSE2, ABR3009-WSU1, ABR3009-WSE1, ABR3106-WSU2, ABR3106-WSE2, ABR3106-WSU1, ABR3106-WSE1, ABR3106-WPU2, ABR3106-WPE2
2022R1	Banner_ABR3_1.8.2	✓
2020R1	Banner_ABR3_1.8.2	✓
2019R2	Banner_ABR3_1.5.5	✓
2019R1	Banner_ABR3_1.5.5	✓

ABR 7000 Series Models

Software Release Label	Firmware Binary	ABR7109-RSE2, ABR7109-MSE2, ABR7112-RSE2, ABR7116-RSE2, ABR7106-RSE2, ABR7106-MSE2, ABR71L9-RSE2, ABR71L9-MSE2	ABR71L9WPE2, ABR72L9RPE2, ABR72L9RDE2, ABR72L16WSE2, ABR72L16RDE2
2022R1	Banner_ABR7_1.8.2	✓	✓
2020R1	Banner_ABR7_1.8.2	✓	✓
2019R2	Banner_ABR7_1.5.5	✓	x
2019R1	Banner_ABR7_1.5.5	✓	x

Glossary of Terms

Downgrading:	The process of installing older software (for example: older firmware) in place of newer software. WARNING: Downgrading firmware can lead to existing inspections behaving differently.
Firmware:	This is the software that runs in an ABR device.
Firmware Binary:	A single PC file (in binary format) is required as part of the sensor's firmware update process. The Barcode Manager will prompt for this file when initiating a firmware update. A firmware binary corresponding to the version of Barcode Manager gets copied to the PC during the installation process.
Model:	The unique identifier of a single reader type.
Release Label:	This is the official identifier for a packaged software release. Each packaged release contains an installable version of the Barcode Manager software, the sensor firmware binary file, emulators, sample images, documentation, utilities, etc.
Barcode Manager:	Barcode Manager is the PC-based graphical user interface (GUI) used to update, configure and monitor ABR Barcode Readers.