Software Release Notes
AnywhereUSB Manager for Microsoft Windows
Version 10.1.24.174 (June 17, 2021)

INTRODUCTION

These are the release notes for AnywhereUSB Manager for Microsoft Windows.

AnywhereUSB® Plus is a Remote USB 3.1 Hub that implements USB over IP® technology over Gigabit Ethernet networks. The Hub enables communication with USB-enabled devices from virtualized systems and from remote host computers. You can securely deploy AnywhereUSB® Plus Remote USB 3.1 Hubs in non-secure environments, making it ideal for point-of-sale, kiosks, surveillance, industrial automation, or any mission-critical enterprise application. This Gigabit Ethernet-attached solution provides 2, 8, or 24 USB 3.1 ports to connect a wide range of peripheral devices such as USB license dongles, scanners, printers, cameras, storage media, or other USB devices. The 8- and 24-port models provide support for 10 Gigabit Ethernet and include SFP+ interfaces.

To install, run the Microsoft Windows Installer and follow prompts. Remember there are different installers for 32-bit and 64-bit Microsoft Windows operating systems.

The AnywhereUSB Manager supports the AnywhereUSB Plus family of products:

> AnywhereUSB 2 Plus
> AnywhereUSB 8 Plus
> AnywhereUSB 24 Plus

The earlier AnywhereUSB products (AnywhereUSB 2, AnywhereUSB 5/5M, AnywhereUSB 14, and AnywhereUSB TS/44) use a different driver package. For more information, please refer to the AnywhereUSB product page.

SUPPORTED PRODUCTS

- AnywhereUSB Manager for Microsoft Windows for 32-bit operating systems.
- AnywhereUSB Manager for Microsoft Windows for 64-bit operating systems.

96000472_C   Release Notes Part Number: 93001315_J

SUPPORTED Operating systems

- Microsoft Windows 7
- Microsoft Windows 8.1
- Microsoft Windows 10
- Microsoft Windows Server 2012-R2
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019

Software Packages P/N's

40003044 (32-bit)

MD5:	d05fa00924f566af21d211a6379615b4
SHA256:	266919477cdadc6fab15bf8e325dd2443882e2ec0e54c1ef21aea5a8cb6e6feb

40003045 (64-bit)

MD5:	a4a64f83e4145156a6e3aa07ec269e1f
SHA256:	f666d802dce50d39f12ecd5d2225964aa7547f5a2105f0231db8ceeb2b9bb54a

KNOWN ISSUES

To uninstall the AnywhereUSB Manager:

- The AnywhereUSB Manager must be uninstalled from the Control Panel using "Programs and Features."

- From "Programs and Features" select the Digi AnywhereUSB Manager then select "Change"

- When the window opens click "Next"

- On the "Program Maintenance" window select "Remove" and click "Next"

- If you wish to remove your configuration, you can check "Remove User Configuration" and click "Next".

MANAGER UPDATE PROCEDURE

The following procedure must be used to update to this version of the Manager:

1. If an earlier version of the AnywhereUSB Manager is currently installed on your PC, uninstall it as follows:

    - Open the Control Panel and select "Programs and Features"

    - From "Programs and Features" select the Digi AnywhereUSB Manager then select "Change"

    - When the window opens click "Next"

    - On the "Program Maintenance" window select "Remove" and click "Next"

    - Make sure the "Remove User Configuration" is not checked and click "Remove", this will preserve your current configuration.

2. Now you can install the Digi AnywhereUSB Manager update.

TECHNICAL SUPPORT

Get the help you need via our Technical Support team and online resources. Digi offers multiple support levels and professional services to meet your needs. All Digi customers have access to product documentation, firmware, drivers, knowledge base, and peer-to-peer support forums. Visit us at https://www.digi.com/support to find out more.

CHANGE LOG

VERSION 10.1.24.174 (June 17, 2021)

Installer version   10.1.24.174
Manager version   3.1.22.1
Driver version   7.1.2.107 (Microsoft Windows 10, Server 2016, and Server 2019)
Driver version   7.1.2.107 (Microsoft Windows 7, 8.1, and Server 2012-R2)

NEW FEATURES

- [AWG3-2557] Display "PORT ON HUB" for each device. This indicates the front panel port number where the device is attached, either directly or through one or more downstream USB hubs. For example, a USB device connected to port 3 of a 4-port downstream hub connected to port 7 of an AW08, will show "PORT ON HUB: 7".

ENHANCEMENTS

- [AWG3-2725] Improve power control implementation in Manager. Power cycle off time now defaults to 3 seconds; previously too short at 1 second. Add Power cycle off time configuration in File->Preferences Advanced tab. Use same underlying implementation of power control as WebUI, for consistency of operation.
- [AWG3-2730] Enforce minimums for certain configuration items. Ensure that minimums are enforced for config items in File->Preferences Advanced tab. This limits cpu/memory runaway of the Manager if timeouts are too short. Config items are set to minimum if value is lower than minimum.
- Add informational messages in Microsoft Windows event log when service starts and stops.

SECURITY FIXES

- [AWG3-2662] Update Manager to OpenSSL 1.1.1k

BUG FIXES

- Fix System Messages window in service mode. In service mode, the System Messages window, if visible, was pulled to the top and given focus when the log messages updated. Now the behavior matches standalone mode, where the messages are updated but the window is not pulled to the top.
- [AWG3-2695] Fix Power Cycle Device menu item when running in service mode.
- [AWG3-2492] Fix local naming on reconnect. Manager local naming of USB devices without device serial numbers was previously not working properly after disconnect and reconnect to a Hub or on Manager restart.

VERSION 10.1.23.171 (February 23, 2021)

Installer version	10.1.23.171
Manager version	3.1.21.1
Driver version	7.1.2.107 (Microsoft Windows 10, Server 2016, and Server 2019)
Driver version	7.1.2.107 (Microsoft Windows 7, 8.1, and Server 2012-R2)

NEW FEATURES
    None

ENHANCEMENTS
- Increase Manager keep alive timeout for connection robustness
- Log improvements:
    - The entire AnywhereUSB Manager system log is now copied to the clipboard
    - In previous releases it only collected the most recent messages
- Compression and Encryption speed improvements
- [AWG3-2567] Added a feature to the Help Menu: "Create Support File"
- [AWG3-2560] Added a checkbox to decrease hub discovery time. "Use All Hub Addresses " The AnywhereUSB Plus Hubs provide multiple default IPV4 addresses in addition to the primary IP addresses. These extra IPV4 addresses are used for configuration and other purposes and may not allow the Manager to connect to the Hub. The discovery process will report all of the IPV4 addresses to the manager. By default, this checkbox is unchecked, thus ignoring the extra addresses. If checked, the Manager will attempt to connect using all Hub addresses provided which will slow the connection to Hubs due to round-robin cycling through all the extra IP addresses.
- [AWG3-2492] Use address for Local Name if USB device does not have a USB serial number If a device does not contain a USB serial number, and you assign a Local Name, It will use the USB address of the device to distinguish identical devices.
- [AWG3-2325] Added feature to Hub Right Click Menu "Add to Known Hubs"
- [AWG3-2428, AWG3-2298, AWG3-2239]
    - Add power cycle action to device menu and CLI command: POWER CYCLE,address
- [AWG3-2382, AWG3-2541]   Add SET CLIENTID command to CLI
    - This is to assist with silent install of the driver.

SECURITY FIXES
- AWG3-2608: TLS Cipher cleanup 2020
    - Remove insecure ciphers from AnywhereUSB connections
- AWG3-2309: Update Manager to openssl 1.1.1i

BUG FIXES
- [AWG3-2636, AWG3-2199] Fix hang if driver is not available.

VERSION 10.1.22.170 (November 13, 2020)

Installer version 10.1.22.170

Manager version 3.1.20.1

Driver version   7.1.2.107 (Microsoft Windows 10, Server 2016, and Server 2019)

Driver version   7.1.2.107 (Microsoft Windows 7, 8.1, and Server 2012-R2)

NEW FEATURES
  None

ENHANCEMENTS
  - Added *Always On Top* checkbox in help menu
  - Removed latency graph in service mode: (AWG3-2568, AWG3-2569)
  - Improved Manager logging feature
  - Improved USB Isochronous support

SECURITY FIXES
  None

BUG FIXES
  Fix a device driver bug where a USB device would enumerate but would not transfer data. (AWG3-2510)

VERSION 10.1.21.168 (September 28, 2020)

Installer version 10.1.21.168

Manager version 3.1.19.1

Driver version   7.1.1.105 (Microsoft Windows 10, Server 2016, and Server 2019)

Driver version   7.1.0.106 (Microsoft Windows 7, 8.1, and Server 2012-R2)

NEW FEATURES
  None.

ENHANCEMENTS
  - AWG3-2476 Improve keep alive to not to inadvertently disconnect connections
  - System Logging:
    - Add additional System Messages
    - Log System Messages to file by default in service and standalone modes
    - Create larger System Messages window when opened
    - Remove oldest System Messages to keep memory usage low
    - Update System Messages window when service is running

  - Service vs Standalone:
    - AWG3-2524 If manager is installed in service mode, the service must be started before the manager can be run.
    - Stopping the manager will not stop the Service

- AWG3-2518 Improve connection status summaries, colors and title bar.

SECURITY FIXES
None.

BUG FIXES
AWG3-2511, AWG3-2517 Fix memory leaks and Microsoft Windows handle leaks.

VERSION 10.1.20.164 (June 12, 2020)

Installer version 10.1.20.164

Manager version 3.1.16.1

Driver version   7.1.1.105 (Microsoft Windows 10, Server 2016, and Server 2019)

Driver version   7.1.0.106 (Microsoft Windows 7, 8.1, and Server 2012-R2)

NEW FEATURES
Added version numbers in About Dialog for Manager, Drivers, and Installer. JIRA AWG3-2423.

ENHANCEMENTS
Improved Manager logging especially in Service Mode. JIRAs AWG3=2411, AWG3-2414

SECURITY FIXES
None.

BUG FIXES

1. The AnywhereUSB Manager Installer sometimes fails to generate desktop and "Start Menu" shortcuts when installing on Microsoft Windows Server 2012-R2, 2016, and 2019.   Fixed. JIRA AWG3-2358.

2. On Microsoft Windows 7 installs, the AnywhereUSB Manager Installer sometimes incorrectly warns that it cannot install because Microsoft Windows has not been updated for SHA-2 Code signing support. Fixed. JIRA AWG3-2266.

3. Certain USB devices connected to AnywhereUSB Plus Hubs did not operate correctly on Microsoft Windows 7, 8.1, and Server 2012-R2. Fixed. JIRA AWG3-2295.

VERSION 10.1.19.160 (January 29, 2020)

Installer version 10.1.19.160
Manager version 3.1.14.1
Driver version 7.1.1.105

This is a **recommended** release because of increased USB device support and new features. Users upgrading AnywhereUSB Plus hubs to 19.11 firmware MUST upgrade their AnywhereUSB Manager to this version or higher.

NEW FEATURES
None.

ENHANCEMENTS
Added logging in Microsoft Windows Service mode.

SECURITY FIXES
None.

BUG FIXES
4. Certain USB devices connected to AnywhereUSB Plus hubs did not operate correctly on Microsoft Windows 10. Fixed.

5. Manager may "assert" if you reconfigure the groups assigned to a client. Fixed.

VERSION 10.1.17.156 (September 10, 2019)

Installer version 10.1.17.156
Manager version 3.1.13.1
Driver version 7.1.0.104

NEW FEATURES
None

ENHANCEMENTS
1. Enhancement to mDNS client for to better handle multiple IP addresses in support of future firmware features.

SECURITY FIXES
None.

BUG FIXES
1. Manager may "assert" if you reconfigure the groups assigned to a client. This issue will be addressed in the next release.

VERSION 10.1.16.155 (July 11, 2019)

Installer version 10.1.16.155
Manager version 3.1.12.1

Driver version 7.1.0.104

NEW FEATURES

None

ENHANCEMENTS

1. Enable manager to run as a service. Service mode configuration is independent from stand-alone mode.

2. Manager commands can be scripted.

3. Added support for Microsoft Windows Server 2019

SECURITY FIXES

None.

BUG FIXES

None.

VERSION 10.1.2.93 (January 2, 2019)

Installer version 10.1.2.93
Manager version 3.1.1.9
Driver version 7.1.0.104

This is the initial release of AnywhereUSB Manager for Microsoft Windows by Digi International.