



APO-DG2 and APO-DG2-PRO

USB Port Authorization Guide

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WyreStorm APO-DG2 / APO-DG2 PRO USB Feature Authorization Security Guide

Overview

This guide helps enterprise IT teams authorize USB access for WyreStorm APO-DG2 and APO-DG2 PRO dongles in environments where USB-C data permissions on employee laptops are restricted by default. It focuses on wireless presentation and wireless conferencing use cases, and separates display, storage, network, camera, audio, application, and operating-system permission requirements.

1. Scope

Item	Applicable Scope
Devices	WyreStorm APO-DG2 and APO-DG2 PRO
System functions	Wireless presentation and wireless conferencing
Managed endpoints and policies	USB-C ports on employee Windows / macOS laptops; USB device control policies; Camera and microphone permissions; Driver and application installation policies
Target audience	Enterprise IT, security teams, endpoint management teams, and meeting-room operations teams

2. Product Function Interpretation

Dongle	PC-side interface / device described in documentation	Product-function implication
APO-DG2	DisplayPort Alt Mode, USB Storage, USB NIC; the PC-side application creates a virtual Camera and Speakerphone.	Wireless presentation uses DP Alt Mode. Wireless conferencing depends on USB Storage for the application package, USB NIC for transmitting peripheral data to the application, and the application / driver stack to create virtual conferencing peripherals on the laptop.
APO-DG2 PRO	DisplayPort Alt Mode; the dongle virtually enumerates USB Camera / USB Speakerphone-class conferencing peripherals over USB.	Wireless presentation uses DP Alt Mode. Wireless conferencing depends on the dongle enumerating as USB camera and USB audio devices.

3. Relationship Between Features and Authorization

Feature	Authorization required for APO-DG2	Authorization required for APO-DG2 PRO	Result if not authorized
Wireless presentation	USB-C DisplayPort Alt Mode	USB-C DisplayPort Alt Mode	The laptop screen cannot be output to the receiver through the dongle.
Apollo Cast application installation / launch	Allow read/write access to USB Storage, or pre-install the application through IT without enabling general storage-class devices.	N/A	The APO-DG2 wireless conferencing function cannot install or run the required PC-side component.
Conferencing data transmission	Allow APO-DG2 to enumerate as a USB NIC and allow the corresponding application to use that network interface.	N/A	The application cannot receive camera and speakerphone data.
Camera input	Allow the virtual camera driver created by the application; allow camera permission in the conferencing software.	Allow APO-DG2 PRO to enumerate as a USB Camera; allow camera permission in the conferencing software.	The room camera is not visible in Teams, Zoom, or similar applications.
Microphone / speaker	Allow the virtual Speakerphone driver created by the application; allow microphone and speaker permissions in the conferencing software.	Allow APO-DG2 PRO to enumerate as a USB Speakerphone or USB Audio device; allow microphone and speaker permissions in the conferencing software.	The room audio device cannot be selected in Teams, Zoom, or similar applications.

4. Recommended USB Authorization Policy

4.1 APO-DG2 Authorization Checklist

Authorization item	Recommended access	Authorization scope	Security note
USB-C DisplayPort Alt Mode	Required if wireless presentation is used	Allow the USB-C port to enter DP Alt Mode.	Used to capture the laptop presentation signal. This is not equivalent to enabling general USB data access.
USB Storage	Required if wireless conferencing is used	Allow the APO-DG2 installation disk to be read and written. Prefer IT pre-installation of the application where possible.	The storage device provides the application installer package. High-security enterprises may avoid enabling general USB flash drives and instead distribute the installer through an internal server or official download site.
USB NIC	Required if wireless conferencing is used	Allow only the USB network interface associated with APO-DG2.	The USB NIC is used by the application to transmit conferencing data. It should not be treated as a general external network adapter with enterprise network access.
Apollo Cast application	Required if wireless conferencing is used	Allow the officially signed application to run, access the network, and access the virtual camera / audio drivers.	The application creates the virtual camera and Speakerphone on the PC.
Camera / microphone OS permissions	Required if wireless conferencing is used	Allow approved conferencing software to access the virtual camera and audio devices created by Apollo Cast.	Windows / macOS privacy permissions, browser permissions, and conferencing software permissions must all be allowed consistently.
Room Camera	Required if wireless conferencing is used	Allow the camera device enumerated by Apollo Cast.	Authorize only approved conferencing software to prevent arbitrary applications from accessing AV devices.
Room Speakerphone	Required if wireless conferencing is used	Allow the Wireless conferencing devices enumerated by Apollo Cast.	Authorize only approved conferencing software to prevent arbitrary applications from accessing AV devices.

4.2 APO-DG2 PRO Authorization Checklist

Authorization item	Recommended access	Authorization scope	Security note
USB-C DisplayPort Alt Mode	Required if wireless presentation is used	Allow the USB-C port to enter DP Alt Mode.	Used to capture the laptop presentation signal. This is not equivalent to enabling general USB data access.
Room Camera	Required if wireless conferencing is used	Allow only the camera device enumerated by APO-DG2 PRO.	Authorize only approved conferencing software to prevent arbitrary applications from accessing AV devices.
Room Speakerphone	Required if wireless conferencing is used	Allow only the audio conferencing device enumerated by APO-DG2 PRO.	Authorize only approved conferencing software to prevent arbitrary applications from accessing AV devices.
Camera / microphone OS permissions	Required if wireless conferencing is used	Allow the conferencing software to access the camera and audio devices exposed by APO-DG2 PRO.	Windows / macOS privacy permissions, browser permissions, and conferencing software permissions must all be allowed consistently.
USB Storage	N/A	N/A	N/A
USB NIC	N/A	N/A	N/A

