

# AJA Io 4K Plus, Io IP and T-TAP Pro Quick Start Guide

## Overview

AJA Io 4K Plus, Io IP and T-TAP Pro facilitate high quality 4K/UltraHD/2K/HD/SD video and audio I/O for Thunderbolt™ equipped host computers, running macOS or Windows Operating Systems. For detailed installation and configuration instructions please refer to the AJA website for the latest version of the Io 4K Plus, Io IP and T-TAP Pro manuals: <https://www.aja.com/family/mobile-io>

## Download Software Package:

AJA software is distributed as a unified package which includes all the software, firmware, plugins, and utility programs for AJA's Io 4K Plus, Io IP and T-TAP Pro products. Two packages are available, one for Mac and one for Windows.

To download AJA software, go to the AJA website and download the package for your particular device: <https://www.aja.com/support/downloads>

## System Requirements

AJA specifies minimum requirements to achieve a satisfactory level of performance. For challenging workflows, e.g. UltraHD/4K and/or HFR (High Frame Rate), increased host system capabilities may be required.

- OS:
- macOS 10.14 (Mojave) at minimum, up to macOS 11.2.1 Big Sur, or later
  - Win 10 or later with all updates
- CPU:
- 2.5 GHz quad core i7 minimum, for HD
  - 3.5 GHz eight core minimum, for UltraHD/4K
  - Faster processors and more cores recommended for UltraHD/4K HFR
- RAM:
- 16GB RAM minimum, 32GB or more recommended, especially for UltraHD/4K or HFR applications
- GPU:
- A reasonably fast and powerful graphics card, with plenty of on-board memory.
  - Examples (may be specific to application version and/or host CPU) include:
  - Nvidia Quadro M/P/RTX 4000 and up • AMD W7100 • AMD W8100 • AMD 580X
- Media:
- Storage with adequate bandwidth to sustain the capture and playback of the material you expect to be working with.

## Host Computer Guide

Visit the AJA website to understand which laptops, mini computers, and workstations are tested with AJA Thunderbolt devices:

For Laptop systems – <https://www.aja.com/products/thunderbolt-laptop>

For Desktop systems – <https://www.aja.com/products/thunderbolt-desktop>

## Software Compatibility

AJA Desktop Software ships with support for Adobe® applications, Apple® Final Cut Pro, Avid® Media Composer and ProTools, as well as Telestream Wirecast®. Many more applications are supported by third party software and systems vendors.

Please see our compatibility chart here: <https://www.aja.com/compatibility/io>

*(See other side for Step by Step Installation Instructions)*

# Installation Step-by-Step

- 1 Uninstall any previous version of AJA Desktop Software from the host machine where your Io 4K Plus, Io IP or T-TAP Pro device will be connected. If prompted, restart the computer.
- 2 Download the latest AJA Desktop Software Package (macOS, or Windows) onto the host machine where your AJA device will be connected. Unzip and leave ready for installation.
- 3 Use a certified, high quality Thunderbolt 3 cable to connect your AJA device to the host computer. The cable should have a Thunderbolt logo and the number 3 on it. Passive cables can be up to 1.6 feet (0.5m) maximum length. Active cables up to 6.5 feet (2m) can also be used.
- 4 Next, connect video and audio cabling from sources/to destinations directly using the SDI and/or HDMI connectors on the back of the AJA device.
- 5 Apply power to your AJA device.
- 6 If you experience security warnings or messages on macOS, review the Release Notes for steps to follow.
- 7 Install the latest AJA Desktop Software Package (that you previously downloaded).
  - This will add AJA tools to your system such as Control Panel, AJA Control Room, System Test as well as drivers and firmware.
  - If using Io IP with SMPTE ST 2110, ensure you install the optional AJA NMOS component.
- 8 Launch AJA Control Panel.
- 9 If prompted, update the AJA device firmware.
- 10 When prompted, power-cycle your AJA device (or reboot computer with AJA device attached).
- 11 Following power-cycle/restart, relaunch AJA Control Panel so you can check connections, and set preferences for how the hardware will behave.
- 12 Use your Io 4K Plus, Io IP or T-TAP Pro output(s) to feed a monitor to help verify your setup.
- 13 Optional: Generate test patterns using AJA Control Panel.
- 14 Optional: Launch AJA Control Room application to test capture and/or playback.
  - With Io devices you can use AJA Control Room to capture the material you wish to edit within your Adobe, Apple or Avid editing package, or stream sources using Wirecast.
  - With both Io devices and T-TAP Pro devices, you can use AJA Control Room to output the results of your work coming from NLEs, Color or Visual effects packages.
- 15 Optional: Launch a third party software tool such as Apple, Adobe or Avid NLEs, Telestream Wirecast, or a host of other applications for various uses across ingest, playback, editorial, dailies, color, visual effects and much more.

*(See other side for Overview and Resources)*