



# Avid<sup>®</sup> Artist | DNxID

User's Guide

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# Using This Guide

## Important Information

Avid recommends that you read all the information in this document before connecting or using your new hardware and software.

## Symbols and Conventions

Avid documentation uses the following symbols and conventions:

Symbol or Convention	Meaning or Action
	A note provides important related information, reminders, recommendations, and strong suggestions.
	A caution means that a specific action you take could cause harm to your computer or cause you to lose data.
	A warning describes an action that could cause you physical harm. Follow the guidelines in this document or on the unit itself when handling electrical equipment.
>	This symbol indicates menu commands (and subcommands) in the order you select them. For example, File > Import means to open the File menu and then select the Import command.
▶	This symbol indicates a single-step procedure. Multiple arrows in a list indicate that you perform one of the actions listed.
(Windows), (Windows only), (Macintosh), or (Macintosh only)	This text indicates that the information applies only to the specified operating system, either Windows or Macintosh OS X.
<b>Bold font</b>	Bold font is primarily used in task instructions to identify user interface items and keyboard sequences.
<i>Italic font</i>	Italic font is used to emphasize certain words and to indicate variables.
<b>Courier Bold font</b>	Courier Bold font identifies text that you type.
Ctrl+key or mouse action	Press and hold the first key while you press the last key or perform the mouse action. For example, Command+Option+C or Ctrl+drag.

## If You Need Help

If you are having trouble using your Avid product:

1. Retry the action, carefully following the instructions given for that task in this guide. It is especially important to check each step of your workflow.

2. Check the latest information that might have become available after the documentation was published. You should always check online for the most up-to-date release notes or ReadMe because the online version is updated whenever new information becomes available. To view these online versions, select ReadMe from the Help menu, or visit the Knowledge Base at [www.avid.com/support](http://www.avid.com/support).
3. Check the documentation that came with your Avid application or your hardware for maintenance or hardware-related issues.
4. Visit the online Knowledge Base at [www.avid.com/support](http://www.avid.com/support). Online services are available 24 hours per day, 7 days per week. Search this online Knowledge Base to find answers, to view error messages, to access troubleshooting tips, to download updates, and to read or join online message-board discussions.

## Avid Training Services

Avid makes lifelong learning, career advancement, and personal development easy and convenient. Avid understands that the knowledge you need to differentiate yourself is always changing, and Avid continually updates course content and offers new training delivery methods that accommodate your pressured and competitive work environment.

For information on courses/schedules, training centers, certifications, courseware, and books, please visit [www.avid.com/support](http://www.avid.com/support) and follow the Training links, or call Avid Sales at 800-949-AVID (800-949-2843).

# Avid Artist | DNxID

Avid Artist | DNxID is a professional video I/O interface designed to simplify and accelerate your HD, Ultra HD, 2K, and 4K workflow. Available as standalone hardware or bundled with Media Composer software, Artist | DNxID enables you to capture, monitor, and output media quickly in the highest quality possible. And because the interface is designed to be open and flexible, you can use it with Avid and other creative tools too.

For information on known limitations with the Avid Artist | DNxID and the Media Composer editing application, see the latest Media Composer ReadMe on the [Knowledge Base](#).

## What's In the Box

- Avid Artist | DNxID video hardware interface
- Two power cables (for redundant connections)



*Host Thunderbolt connection cables for Avid Artist | DNxID, are not included and must be ordered separately. Avid offers certified Thunderbolt cables for purchase.*

## System Requirements

[Avid-qualified computer](#) running one of the following operating systems:


- Mac OS X 10.9.x, 10.10.x
- Windows 7, Windows 10

## Avid Artist | DNxID Front Panel

The following details the front panel of the Avid Artist | DNxID Front Panel.

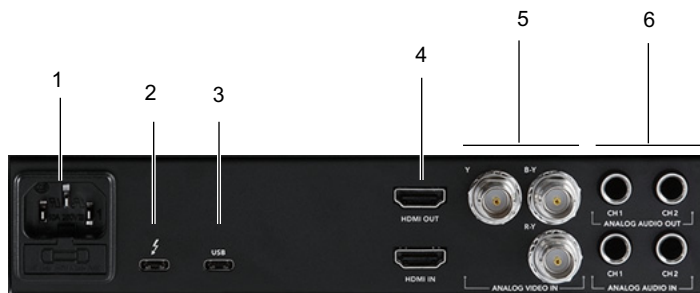


Item	Description
1	Microphone input
2	Stereo headphone jack.
3	Headphone volume control
4	One SDXC card slot (supports high-capacity UHS II cards)

Item	Description
5	<p>Control buttons:</p> <ul style="list-style-type: none"> <li>• 1 and 2: No function at this time.</li> <li>• Set: Use to select menu item to change.</li> <li>• Menu: Press to enter the setting menu.</li> <li>• Video and Audio Buttons: Press to take you directly to the video or audio settings.</li> </ul> <p> <i>You can use these control buttons to make Audio and Video changes, or you can make the changes using the Desktop Video Software. See <a href="#">Launching the Desktop Video Utility</a> for details on accessing the utility.</i></p>
6	LCD screen to monitor media ingest and output and allows you to view your Audio and Video Settings. Also displays video format at top and stereo Audio meters.
7	Rotary Knob - used to change settings (used with SET button).

## Avid Artist | DNxID Rear Panel

Reference the following when connecting video and audio devices to the Avid Artist | DNxID Rear Panel.



Avid Artist | DNxID Rear Panel

Connection	Description
1 Power supply connection	Built-in international AC power supply with IEC C14 inlet. 120-240V, 50-60Hz. (Power cables supplied with Avid Artist   DNxID box.)
2 Thunderbolt	Thunderbolt 3 connection to host
3 USB	Powered USB 3.1 connection to storage or other device
4 HDMI In/Out	HDMI 2.0 type A connectors
5 Video Input	(IN) One Component YUV via three BNC connectors (SD—YCbCr; HD—YCbCr/RGB) Y connector can also be used as composite input

Connection	Description
6 Audio In/Out	Two 1/4" analog TRS pro-level (+4 dBu) inputs Two 1/4" analog TRS pro-level (+4 dBu) outputs

## Connecting Avid Artist | DNxID

Use the following procedures to connect the Avid Artist | DNxID hardware to your computer, install the Media Composer software and install the Desktop Video software.

### Connecting Avid Artist | DNxID to Your Computer

You can connect the Avid Artist | DNxID to your computer through a Thunderbolt connector.



*For customers that require Thunderbolt connectivity over longer distances than standard 2 meter copper Thunderbolt cables, Avid has tested and qualified 30 meter and 60 meter optical Thunderbolt cabling offered by Corning. For more information, please visit [www.opticalcablesbycorning.com](http://www.opticalcablesbycorning.com)*

#### To connect through the Thunderbolt Connector:

1. Connect a Thunderbolt cable between the Artist | DNxID and a Thunderbolt port on your computer.

### Installing Avid Media Composer Software

If Media Composer is already installed on your system, go to “[Installing the Desktop Video Software](#)” on page 9. If Media Composer is not already installed on your system, you must install the software.

#### (Windows) To install the Avid software:

1. Access your editing application download in your Avid Master Account [here](#).
2. Click to launch the Avid Editor Suite installer to install the editing application. A window will open with instructions as well as options for choosing file locations and other custom settings.
3. Follow the on screen instructions.

- If the FilesInUse dialog box appears, you can safely select Ignore and continue.
- If you receive user access warnings during the installation, select Continue Anyway to continue your installation.

4. When prompted, choose to restart the computer.

The installation process adds a Desktop icon (Windows) or Dock icon (Macintosh) and a pointer to your Avid editing application in the Start menu (Windows). The installation process also adds an Application Manager icon to the Toolbar menu (Windows) or Dock (Macintosh). The Application Manager allows you to view the installed Avid application, license the application, subscribe to a support plan and try new offerings.

5. Once you restart, the Application Manager launches. See the [Application Manager User Guide](#) for information on activating your software.



**(Macintosh) To install the Avid Editing application software:**

1. Access your editing application download.
2. Double-click the .pkg file with the editing application name.
3. Click to launch the installer.

A window will open with instructions as well as options for choosing file locations and other custom settings.

4. Follow the on screen instructions.
5. When prompted, choose to restart the computer.

The installation process adds a Desktop icon (Windows) or Dock icon (Macintosh) and a pointer to your Avid editing application in the Start menu (Windows). The installation process also adds an Application Manager icon to the Toolbar menu (Windows) or Dock (Macintosh). The Application Manager allows you to view the installed Avid application, license the application, subscribe to a support plan and try new offerings.

6. Once you restart, the Application Manager launches. See the [Application Manager User Guide](#) for information on activating your software.

## Installing the Desktop Video Software

The Desktop Video software works in conjunction with your Avid Artist | DNxID hardware. The download for the Desktop Video Software is provided in your Avid Master Account.



*If you have a previous version of Desktop Video software on your system, uninstall it before you install the latest version supplied in your Master Account or on the Avid download center.*

### To install the Desktop Video software.

1. Access your Avid Master Account [here](#).
2. Access your downloads.

The Desktop Video installer and Desktop Video Manual are included with the download.

3. Uninstall any previous version of the Desktop Video software from the host machine.
4. When prompted, restart your system.
5. Download the installer and follow the on screen instructions for installing the software. When prompted, restart your system.



**In some instances, the version of the Desktop Video software that you install may include a firmware update. On Windows based host machines, this firmware update will occur at the end of the Desktop Video installation. On Macintosh based host machines, the firmware update will occur after the prompted restart. It is important to follow the procedure below, in order, after the firmware update completes:**


6. Shut down the host CPU.
7. If the Avid Artist | DNxID is connected via Thunderbolt, disconnect the Thunderbolt cable from the Artist | DNxID.
8. Unplug the power cable from the Artist | DNxID unit.
9. Wait 30 seconds.
10. Reconnect the power cable to the Artist | DNxID.

11. For Thunderbolt connected units, reconnect the Thunderbolt cable to the Artist | DNxID.
12. Power on the host CPU.


## Launching Avid Media Composer

To launch Media Composer, use the following procedure.

**(Windows) To start your Avid editing application, do one of the following:**

- ▶ Click Start > All Programs > Avid > *Avid editing application*.
-  ▶ Double-click the Avid editing application desktop icon.

**(Macintosh) To start your Avid editing application, do one of the following:**

-  ▶ Click the alias icon for your Avid editing application on the Dock.
- ▶ Select Go > Applications, and double-click the Avid editing application folder. Then double-click the Avid editing application file.

## Launching the Desktop Video Utility

Use the Desktop Video Utility to configure hardware settings, and view a realtime status display showing the video connected to your Avid Artist | DNxID inputs and outputs.

To launch the Desktop Video Utility:

**(Windows 10) Do the following:**

- ▶ From the Start page type 'Blackmagic' and then click the Blackmagic Desktop Video Utility application. Or launch the Desktop Video utility from the Windows control panel.

**(Windows 7) Do the following:**

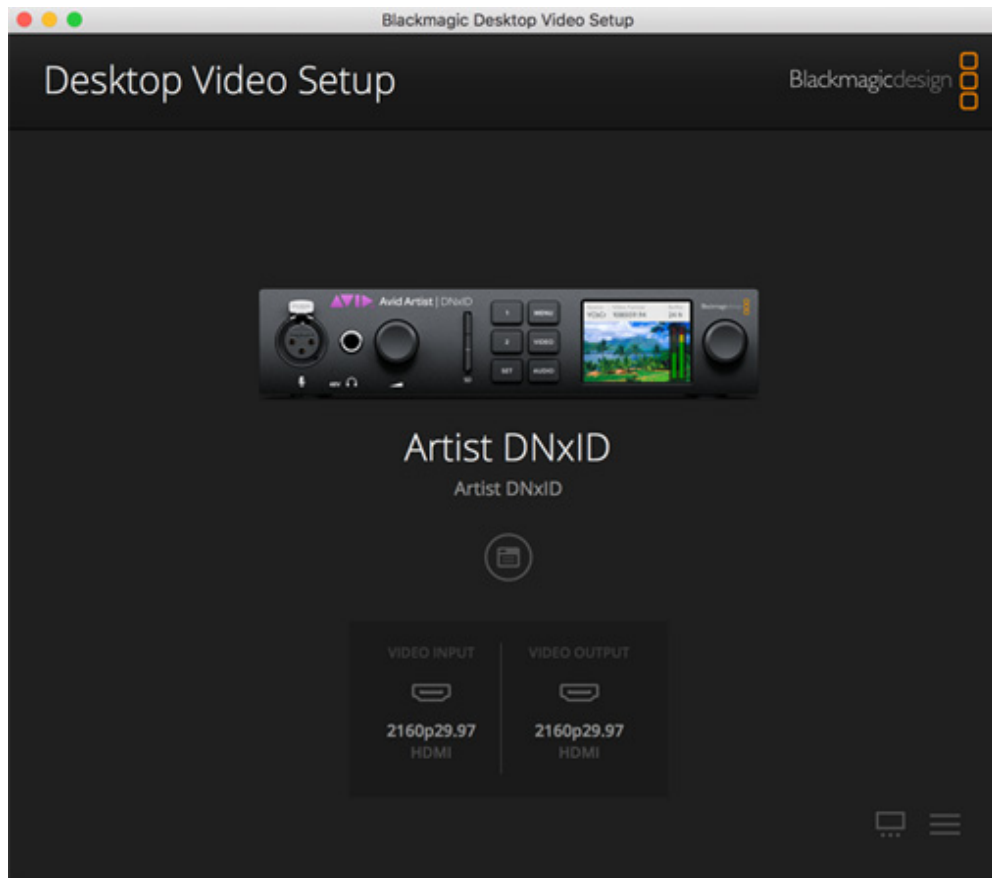
- ▶ Click the Start > All Programs > Blackmagic Design > Desktop Video and click the Desktop Video utility application. Or launch the Desktop Video utility from the Windows 7 control panel.

**(Macintosh) Do the following:**

- ▶ Click Blackmagic Desktop Video in System preferences or launch the utility from your Applications folder.

## Using Desktop Video to Setup the Avid Artist | DNxID

When you first open the Desktop Video Utility, the home page displays your connected hardware and provides an overview of all video activity on your hardware's input and output connections. If you are sending a video signal to your input, it will be automatically detected and the format will be displayed under the Video Input icon.



To configure settings, simply click on the hardware image, or the settings icon located below the hardware name. The Desktop Video utility only displays the settings that are relevant to your selected hardware.

For details on using the Desktop Video Utility to configure your hardware, see the Desktop Video Utility Guide provided with your Desktop Video Utility installer download. See the topics for Video Settings, Audio Settings, and Conversions. See also Media Composer in “Using Your Favorite 3rd Party Software.”

## Specifications and Features

For additional information on Avid Artist | DNxID, see the following:

- For Avid Artist specifications, go [here](#).
- For Avid Artist Features, go [here](#).

# Regulatory and Safety Notices

## Warnings and Cautions



**Never install equipment if it appears damaged.**



**Disconnect the power cord before servicing unit.**



**Only perform the services explicitly described in this document. For services or procedures not outlined in this document, speak with authorized Avid service personnel.**



**Follow all warnings and cautions in the procedures.**



**Operate the device within its marked electrical ratings and product usage instructions.**



**If you need to replace a battery in an Avid hardware unit, be sure to use the correct battery type. There might be a risk of explosion if a battery is replaced by an incorrect type. Dispose of used batteries according to the manufacturer's instructions.**

## LED Safety Notices

Avid hardware might contain LED or Laser devices for communication use. These devices are compliant with the requirements for Class 1 LED and Laser Products and are safe in the intended use. In normal operation the output of these laser devices does not exceed the exposure limit of the eye and cannot cause harm. Standard to which conformity is declared: (IEC/EN 60825-1 & IEC/EN 60825-2)

Recommended Optical laser modules: TSS-4F20-31DCR (PL-4F20-311C) & TSS-8F10-31DCR (PL-8F10-311C) - Laser Class I

## EMC (Electromagnetic Compliance) and Safety

Avid declares that this product complies with the following standards regulating emissions, immunity and product safety:

- FCC Part 15 Class A
- ICES-003 Class A
- EN55022 Class A
- EN55024
- AS/NZS CISPR 22 Class A
- CISPR 22 Class A
- IEC/EN/UL 60950-1
- CAN/CSA-C22.2 No. 60950-1-07

This equipment has been tested to comply with USA and Canadian safety certification in accordance with the specifications of UL Standards: IEC/UL60950-1 and Canadian CAN/CSA-C22.2 No. 60950-1-07. Avid Inc. has been authorized to apply the appropriate UL & CUL mark on its compliant equipment.



Avid is authorized to apply the CE (Conformité Européenne) mark on this compliant equipment thereby declaring conformity to EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and RoHS Recast Directive 2011/65/EU.

## FCC Notice

### Class A Equipment

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at personal expense.

### Cables

Connections to Avid hardware must be made with shielded cables with metallic RFI/EMI connector hoods in order to maintain compliance with FCC Rules and Regulations.

## Canadian ICES-003

This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## South Korea Warning Statement

Class A Equipment

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

# Environmental Compliance

## Disposal of Waste Equipment by Users in the European Union





This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.

## Proposition 65 Warning

This product contains Chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

This product may contain a lithium coin battery. The State of California requires the following disclosure statement: “Perchlorate Material - special handling may apply, See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).”

## Warning for Service Personnel

Symbol	Information
	Use only at altitudes not more than 2000m above sea level.
	Warning to Service Personnel Disconnect power from both power inlets before servicing!
	Warning to Service Personnel Caution- Double Pole/ Neutral Fusing The power supply contained in this equipment has a fuse in both line and neutral conductors and is suitable for connection to the IT power distribution system in Norway
	No operator serviceable parts inside. Refer servicing to authorized AVID service personnel.

# Rack-mount Requirements

The following rack-mount requirements are listed below:

- Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment might be greater than room ambient. Therefore, consider installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>ma</sub>) specified by the manufacturer.
- Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (for example, use of power strips).