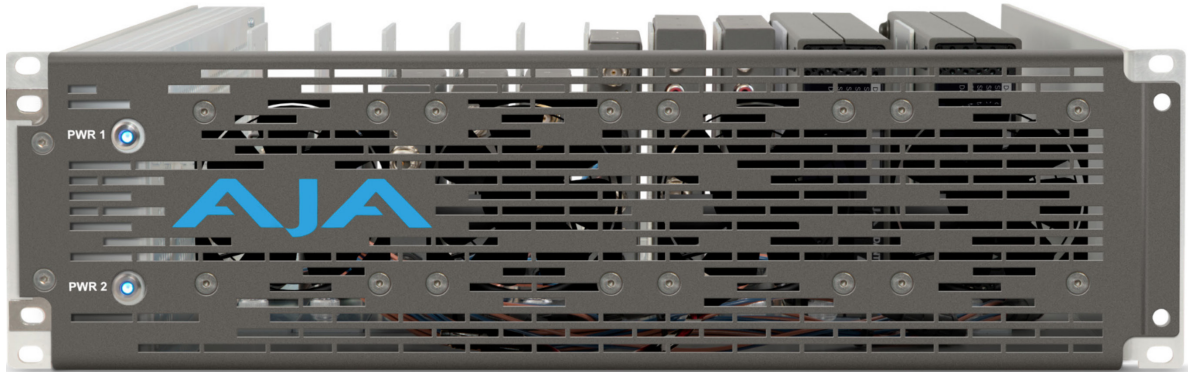


# DRM2-Plus

## Mini-Converter Rack-Mount Frame



*(Mini-Converters available for purchase separately)*



# Installation and Operation Guide

Version 1.0  
Published June 27, 2025



# Notices

---

## Trademarks

---

AJA® and Because it matters.® are registered trademarks of AJA Video Systems, Inc. for use with most AJA products. AJA™ is a trademark of AJA Video Systems, Inc. for use with recorder, router, software and camera products. Because it matters.™ is a trademark of AJA Video Systems, Inc. for use with camera products.

Corvid Ultra®, Io®, Ki Pro®, KONA®, KUMO®, ROI® and T-Tap® are registered trademarks of AJA Video Systems, Inc.

AJA Control Room™, KiStor™, Science of the Beautiful™, TruScale™, V2Analog™ and V2Digital™ are trademarks of AJA Video Systems, Inc.

All other trademarks are the property of their respective owners.

## Copyright

---

Copyright © 2025 AJA Video Systems, Inc. All rights reserved. All information in this manual is subject to change without notice. No part of the document may be reproduced or transmitted in any form, or by any means, electronic or mechanical, including photocopying or recording, without the express written permission of AJA Video Systems, Inc.

## Contacting AJA Technical Support or Sales

---

Please have all pertinent information at hand prior to contacting AJA support or sales.

Support Telephone: +1.530.271.3190

Support Website: <https://www.aja.com/support/contact>

Support Email: [support@aja.com](mailto:support@aja.com)

Sales Email: [sales@aja.com](mailto:sales@aja.com)

Shipping Address: AJA Video Systems  
180 Litton Drive  
Grass Valley, CA 95945, USA

# Contents

---

Notices . . . . .	2
Trademarks . . . . .	2
Copyright . . . . .	2
Contacting AJA Technical Support or Sales . . . . .	2
<b>Chapter 1 – Introduction . . . . .</b>	<b>4</b>
Overview . . . . .	4
Mini-Converter Frame for 19-inch Racks . . . . .	4
Features . . . . .	5
High Capacity . . . . .	5
Front Faceplate . . . . .	5
<b>Chapter 2 – Installation . . . . .</b>	<b>8</b>
Ordering Configurations . . . . .	8
DRM2-PLUS-P1 . . . . .	8
DRM2-PLUS-P2 . . . . .	8
DRM2-PLUS-A1 . . . . .	8
DRM2-PLUS-A2 . . . . .	9
Included in the Box . . . . .	9
Parts Available Separately . . . . .	10
Power Cables . . . . .	10
Faceplates . . . . .	12
Carrier Kits . . . . .	12
Overview of Installation . . . . .	13
Rack Mount Frame with Carrier Slots . . . . .	13
USB Hub Considerations . . . . .	14
Mini-Converter Carriers . . . . .	14
Example Mixed Converters Configuration . . . . .	15
Installation . . . . .	15
Mounting Converters onto Carriers . . . . .	15
Installing Converters into DRM2-Plus Frame . . . . .	17
Uninstallation . . . . .	21
Remove Passive Faceplate . . . . .	21
Remove Active Faceplate . . . . .	21
Remove Carrier from DRM2-Plus Frame . . . . .	22
Remove Side-Mounted Converter from Carrier . . . . .	23
Remove Bottom-Mounted Converter from Carrier . . . . .	23
Special Case Installations . . . . .	23
Mounting Converters with DIP Switches . . . . .	23
Stacking Mini-Converters Two-High . . . . .	24
Power Harness Considerations . . . . .	26
<b>Appendix A – Specifications . . . . .</b>	<b>27</b>
DRM2-Plus Tech Specs . . . . .	27
<b>Appendix B – Safety and Compliance . . . . .</b>	<b>28</b>
<b>Warranty and Liability Information . . . . .</b>	<b>36</b>
<b>Index . . . . .</b>	<b>37</b>

# Chapter 1 – Introduction

---

## Overview

---

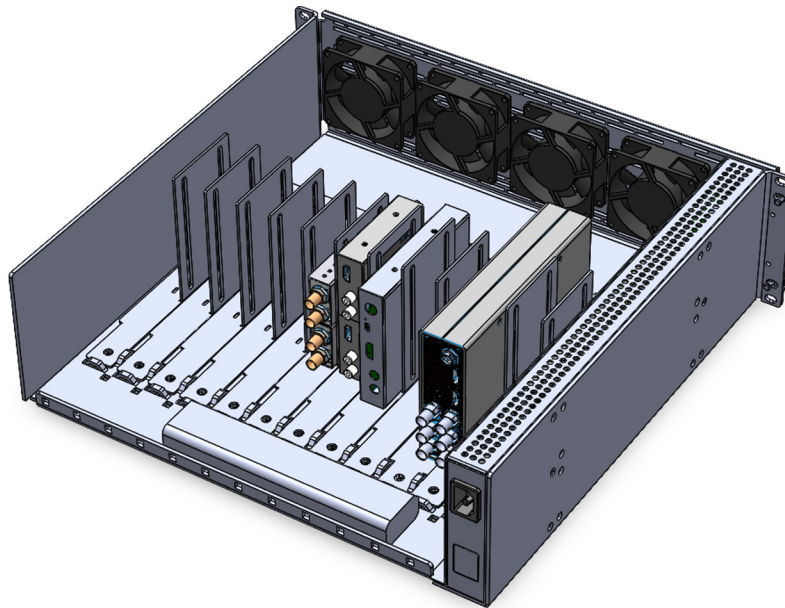
### Mini-Converter Frame for 19-inch Racks

---

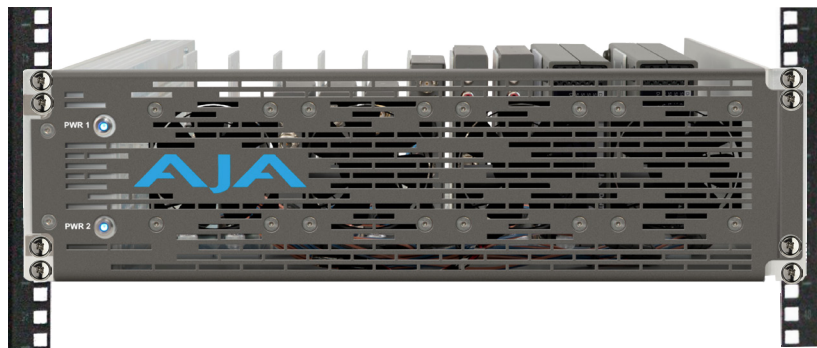
DRM2-Plus is a 3RU rack mount frame engineered to professionally mount and power up to twelve (12) AJA Mini-Converters or up to six (6) of AJA's Next-Gen Mini-Converters. The DRM2-Plus delivers total power of up to 288 Watts, and with an optional redundant power supply. Users have the option to order the DRM2-Plus with a dual 288W PS for redundancy, or it can be initially purchased with a single 288W PS for a lower cost alternative when redundancy is not needed.

Twelve (12) +12V power leads are provided via a DC Wiring Harness from the main power supply to power the Converters, plus an additional connector to power an Active Faceplate (when used).

*Figure 1. DRM2-Plus with a mix of different Converters mounted on Carriers*



*Figure 2. 19" rack-mounted DRM2-Plus showing Active Faceplate Door*



## Features

---

- 3RU form-factor allows all AJA Mini-Converters to fit cleanly in the chassis.
- Flexible 12-slot frame design.
- Modular “Carrier” based Mini-Converter mounts are rugged, simple to use, and easy to access from the front or rear of the frame. Twelve Carriers are included with the DRM2-Plus frame, one for each slot. Additional/replacement Carriers are available from AJA. See [“Carrier Kits” on page 12](#).
- The powered Active Faceplate offers four fans for maximum cooling in higher ambient temperature installations. See [“Faceplates” on page 12](#).
- DRM2-Plus 288W Power Supply supports any combination of twelve (12) AJA Mini-Converters.
- DRM2-Plus also supports up to twenty-four (24) smaller form factor Mini-Converters, such as the AJA FiDO fiber, HA5-Plus, Hi5-Plus, and V2Analog and V2Digital converters by using optional DC power Y-Cables, and mounting pairs on single Carriers. See [“Stacking Mini-Converters Two-High” on page 24](#).
- Main DC Power Harness included has thirteen +12V DC regulated outputs (hardwired to power supply) - twelve connectors for the converters, one reserved for the Active Faceplate.
- Modular Power Supply Connector also allows users the option to create custom cabling (within power specifications). For example, cables with more Mini-Con-X connectors could be made for higher density installations, upon engineering review. See [“Power Harness Considerations” on page 26](#).

## High Capacity

---

Here are some examples of what is possible with the DRM2-Plus and its 288W Power Supply using only 3RU of rack space:

- 12 independent channels of 4K HDMI to 12G-SDI or 12G-SDI to 4K HDMI conversion
- 12 independent scan-conversion channels
- 12 independent Up/Down/Cross conversion channels
- Up to 60 channels of HD or SD sync distribution utilizing two GEN10s and ten 3GDAs or C10DAs
- 48 channels of 3G or 12G SDI to Fiber or Fiber to SDI conversion
- 24 channels of 2K/HD HDMI to 3G-SDI or 3G-SDI to 2K/HD HDMI
- 24 channels of Analog to HD/SD-SDI or HD/SD-SDI to Analog
- 48 channels of analog audio disembedding and embedding of SDI video including over SFP fiber optic
- 96 channels of AES-3 audio disembedding and embedding of SDI video including over SFP fiber optic
- 384 channels of digital audio available for routing, casting and multicasting on a Dante LAN network

## Front Faceplate

---

Two types of front faceplates are available for the DRM2-Plus frame: a Passive Faceplate and an Active Faceplate. Both of them include an edge-mounted hinge allowing the faceplate to open as a door to the inside of the DRM2-Plus for easy access to the converters mounted inside.

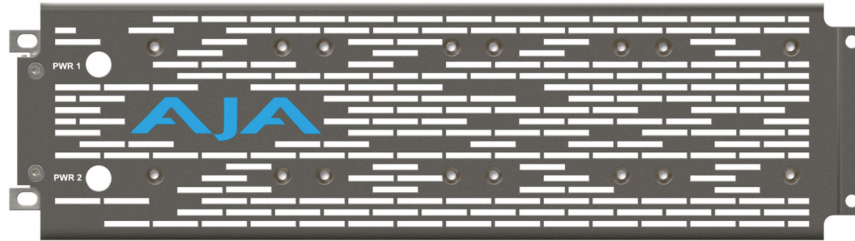
**NOTE:** *Once mounted with their screws into the rack, both types of faceplate must be removed before the DRM2-Plus frame can be removed from the rack.*

## Passive Faceplate

The DRM2-Plus-P1 and DRM2-Plus-P2 ship with a standard Passive Faceplate with ventilation holes. For users that want to upgrade their passive faceplate to the active version, the Active Faceplate is also available as a standalone part. See ["Parts Available Separately" on page 10](#).

The Passive Faceplate is sufficient for rack installations which provide their own cooling, or for when lower wattage Mini-Converters are installed and lower ambient temperatures are present.

*Figure 3. Passive Faceplate*

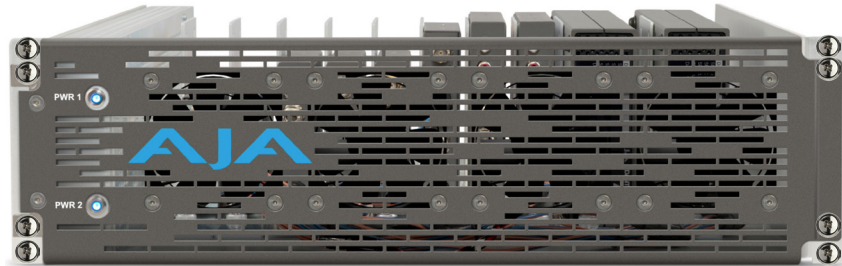


## Active Faceplate

The Active Faceplate enables the DRM2-Plus frame to be used with higher wattage consuming Mini-Converters, and/or to be used in higher ambient temperature environments.

The DRM2-Plus-A1 and DRM2-Plus-A2 product configurations ship the Mini-Converter rack frame together with an Active Faceplate having four cooling fans.

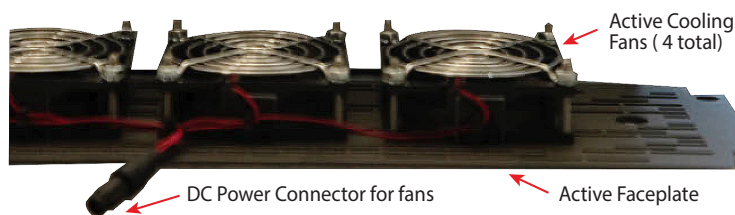
*Figure 4. Active Faceplate on DRM2-Plus (hinge at left; rack rails not shown)*



The Active Faceplate allows for a high-density installation of AJA's most powerful Mini-Converters, without concern for heat soak. The Active Faceplate connects to the DRM2-Plus +12V DC power supply using the DC power connector found on the main DC Power Harness, at the left-hand side of the harness near the hinge.

If the ambient temperature is under 30C, an Active Faceplate is recommended when total power consumption exceeds 100W. If the ambient temperature is over 30C, then an Active Faceplate is recommended when total power consumption exceeds 75W. Please consult the Tech Specs of your Mini-Converters to calculate expected power consumption.

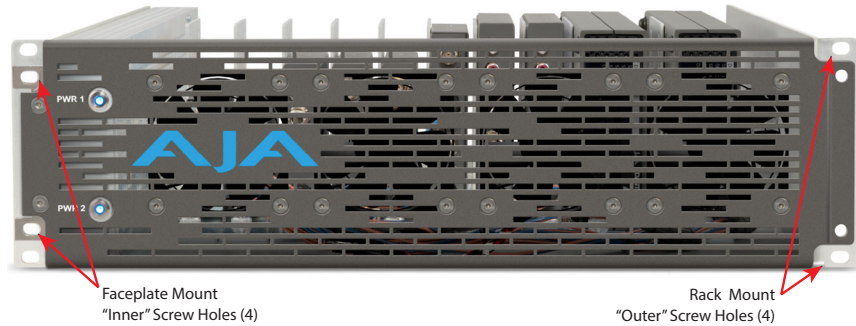
*Figure 5. Active Faceplate Fans and Power Connector*



The DRM2-Plus chassis has four "inner" mounting holes for whichever faceplate is used, in addition to the four "outer" 19" rack-mounting holes for mounting the DRM2-Plus frame into the rack rails.

Using the right-hand inner two screws is optional and depends upon the installation.

*Figure 6. Separate faceplate and rack mount screw holes*



Both sets of holes may use the same size 19" rack screws.

*NOTE:* 19" rack rails vary in design, so use the exact fasteners which your rack requires.

*NOTE:* See ["Attach Active Faceplate" on page 19](#)

This design allows opening the front faceplate without removing the faceplate or the DRM2-Plus from the rack. This allows easy access to Mini-Converters and their cabling from the front. A spring-loaded piano hinge is used at the left edge of both passive and active faceplates, which mounts using screws through holes in DRM2-Plus chassis and into the rack rail.

# Chapter 2 – Installation

---

## Ordering Configurations

---

### DRM2-PLUS-P1

---

- Passive 3-RU Frame
- Twelve (12) Mini-Converter Mounting Carriers
- Screw Kits (see *"Included in the Box" on page 9*)
- Single 288W Power Supply
- Thirteen +12V DC regulated outputs

Figure 7. DRM2-Plus-P1 - Included in Order:

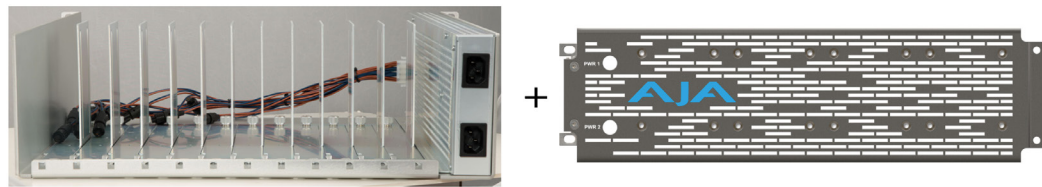


### DRM2-PLUS-P2

---

- Passive 3-RU Frame
- Twelve (12) Mini-Converter Mounting Carriers
- Screw Kits (see *"Included in the Box" on page 9*)
- Redundant 288W Power Supply
- Thirteen +12V DC regulated outputs

Figure 8. DRM2-Plus-P2 - Included in Order:

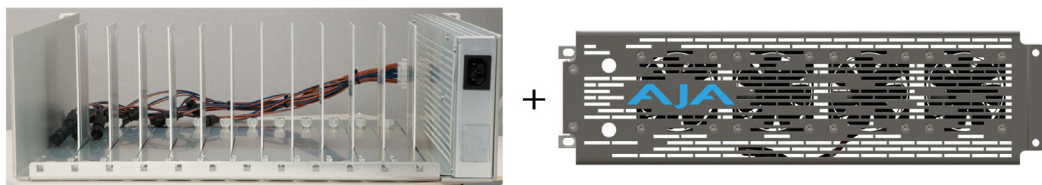


### DRM2-PLUS-A1

---

- Active 3-RU Frame
- Twelve (12) Mini-Converter Mounting Carriers
- Screw Kits (see *"Included in the Box" on page 9*)
- Single 288W Power Supply
- Thirteen +12V DC regulated outputs

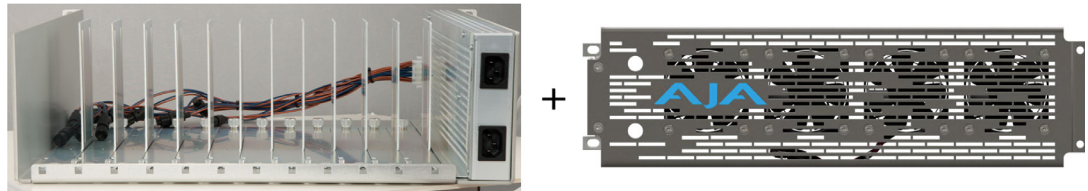
Figure 9. DRM2-Plus-A1 - Included in Order:



## DRM2-PLUS-A2

- Active 3-RU Frame
- Twelve (12) Mini-Converter Mounting Carriers
- Screw Kits (see ["Included in the Box" on page 9](#))
- Redundant 288W Power Supply,
- Thirteen +12V DC regulated outputs

Figure 10. DRM2-Plus-A2 - Included in Order:



## Included in the Box

Table 1. Shipping Contents for DRM2-Plus (including model variations)

Item	Quantity	Notes
DRM2-Plus Rack Mount Frame	1	19" rack mount frame for AJA Mini-Converters with Single Power Supply - or - 19" rack mount frame for AJA Mini-Converters with Double Power Supply
Passive or Active Faceplate (Includes door hinge)	1	Passive Faceplate (with DRM2-Plus-P(n) order) - or - Active Faceplate (with DRM2-Plus-A(n) order)
Carrier	12	Carriers include captive No-Tools secure screws
Anti-vibration screws	12	10-32 x 0.187 Phillips Pan Head Secures rear of Carrier for anti-vibration use
Mini-Converter side mounting screws	24	4-40 x 0.312 Phillips Flat Head Secures side of Mini-Converter to Carrier
Mini-Converter bottom mounting screws	24	2-56 x 0.250 Phillips Flat Head Secures bottom of Mini-Converter to Carrier

# Parts Available Separately

## Power Cables

Table 2. Separately Orderable Power Cables

AJA Product Name	Item	Quantity	Notes
DRM2-YC (Power Cable Adapter)	DC Power Y-Cable	1	Adds a second +12V DC Mini-Con-X male connector to any +12V Mini-Con-X
DRM2-YC12 (Expansion Kit Upgrade Kit )	DC Power Y-Cable	12	Adds 12 more +12V DC ConnX male connectors to the DC Power Harness
DRM2-Plus-CX	DC Power Cable	1	Male-Mini-Con-X-to-Female-Mini-XLR adapter cable 12"
DRM2-Plus-XC	DC Power Cable	1	Male-Mini-XLR-to-Female-Mini-Con-X adapter cable, 12"
DRM2-Plus-6X (Mini-XLR Harness)	DC Power Cable	1	Includes: (6) Female-Mini-XLR Connectors, (1) Female Mini-Con-X Connectors
DRM2-Plus-CB	DC Power Cable	2	Male-Mini-Con-X-to-Male-Barrel adapter cable, 12"

### DRM2-YC

DC Power Y-Cable (1-to-2)

Figure 11. DRM2-YC Power Y-cable



### DRM2-YC12

DC Power Y-Cable (Set)  
Twelve (12) of the DRM2-YC cables

## DRM2-PLUS-CX Cable

---

Male-Mini-Con-X-to-Female-Mini-XLR adapter cable 12"

*Figure 12. DRM2-Plus-CX Cable*



## DRM2-PLUS-XC Cable

---

Male-Mini-XLR-to-Male-Female-Con-X adapter cable, 12"

*Figure 13. DRM2-Plus-XC Cable*



## DRM2-PLUS-6X Cable

---

Mini-XLR Harness includes: (6) Female-Mini-XLR Connectors, (1) Female Mini-Con-X Connectors

*Figure 14. DRM2-Plus-6X Cable*



## DRM2-PLUS-CB Cable

Male-Mini-Con-X-to-Male-Barrel adapter cable, 12"

*Figure 15. DRM2-Plus-CB Cable*



# Faceplates

Table 3. Separately Orderable Faceplates

AJA Product Name	Item	Quantity	Notes
DRM2-Plus-AF (Active Faceplate)	Active Faceplate	1	Faceplate includes four installed fans

NOTE: For information regarding Passive Faceplates, please contact AJA support.

## DRM2-PLUS-AF

DRM2-Plus Active Faceplate Assembly

Figure 16. Active Faceplate Assembly



# Carrier Kits

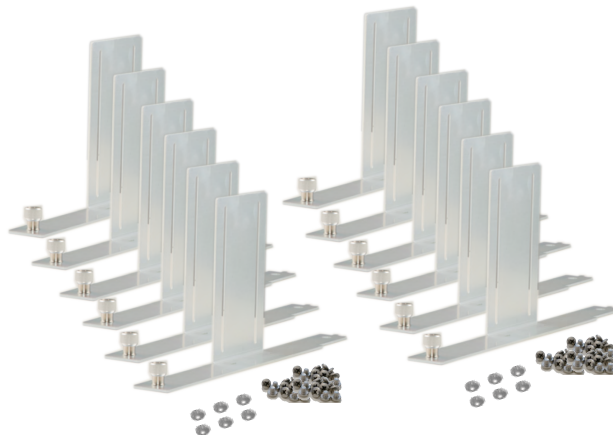
Table 4. Separately Orderable Carrier Kits

AJA Product Name	Item	Quantity	Notes
DRM2-Plus-CH12 (Carrier Twelve Pack)	Carrier	12	Include captive No-Tools secure screws
	Side-mounting screw	24	4-40 x 0.312 Phillips Flat Head
	Bottom-mounting screw	24	2-56 x 0.250 Phillips Flat Head
DRM2-Plus-CH (Carrier Single Pack)	Carrier	1	Includes captive No-Tools secure screw
	Side-mounting screw	2	4-40 x 0.312 Phillips Flat Head
	Bottom-mounting screw	2	2-56 x 0.250 Phillips Flat Head

## DRM2-PLUS-CH12

Pack of twelve (12) DRM2-Plus Carriers & Hardware

Figure 17. DRM2-Plus Carrier with Screw Kits



## DRM2-PLUS-CH

### DRM2-Plus Carrier & Hardware

Figure 18. DRM2-Plus Carrier with Screw Kits

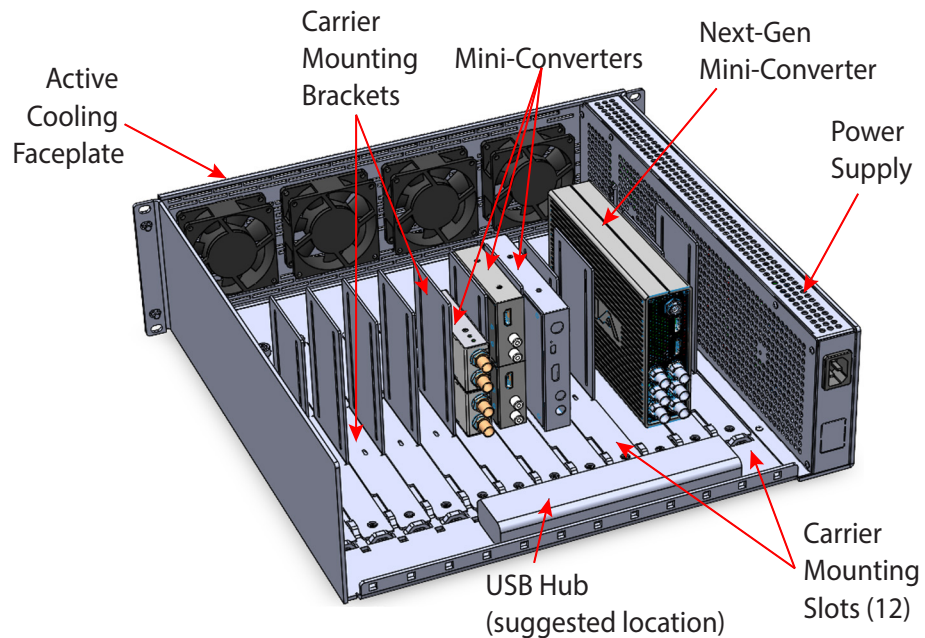


## Overview of Installation

### Rack Mount Frame with Carrier Slots

The DRM2-Plus is a standard 19-inch, 3-RU tall, 17.3" deep rack mount frame with 12 Carrier Slots, into which Mini-Converter Carrier mounting brackets slide into and are secured. Any mix of AJA Mini-Converters may be installed.

Figure 19. DRM2-Plus with Carriers in Carrier Slots, some with Mini-Converters



## USB Hub Considerations

Note the convenient location for a USB hub at the rear of the DRM2-Plus frame. (See "[DRM2-Plus with Carriers in Carrier Slots, some with Mini-Converters](#)" on page 13.)

The USB hub should have these features:

- High-quality
- High-speed
- Powered\*
- Have a sufficient number of USB ports for the number of converters that will be installed inside the DRM2-Plus frame\*\*

**NOTE:** \*The hub should be powered by means of its own AC/DC power adapter, or when compatible, by using the available DRM2-Plus-CB cable. See "[Power Cables](#)" on page 10.

**IMPORTANT:** \*\*Do Not daisy-chain smaller USB hubs together. Daisy-chaining USB hubs may cause some converter devices to not appear in either AJA eMini-Setup or AJA Mini-Config connected device lists.

Figure 20. DRM2-Plus-CB Cable: can used for a powered USB hub



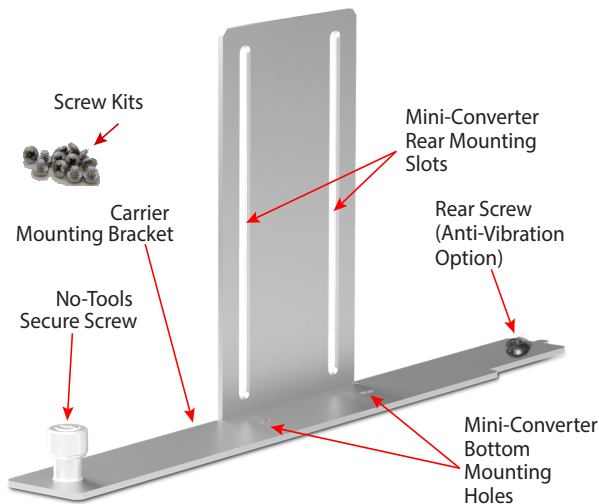
In order to be able to use the DRM2-Plus-CB cable, the hub:

- cable requirement must be Barrel, (+) positive tip, female
- power requirement must be +12V DC

## Mini-Converter Carriers

Mini-Converters are not mounted directly into the DRM2-Plus frame. They are first attached to the Mini-Converter Carrier mounting brackets. The Carriers each include screws for mounting Mini-Converters to them, as well as a Carrier Rear Screw for optional anti-vibration use.

Figure 21. Mini-Converter Carrier mounting bracket and Screw Kits

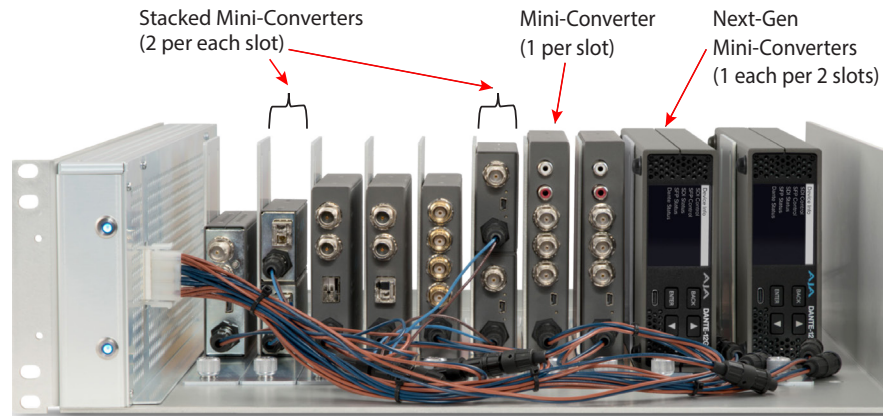


## Example Mixed Converters Configuration

Below find an example of twelve (12) AJA Mini-Converters of various sizes installed into a single DRM2-Plus frame. Some smaller converters may be mounted 2-high, and we show two examples of that below.

**NOTE:** See ["Stacking FiDO Converters Two-High" on page 24.](#)

**Figure 22. DRM2-Plus with Twelve (12) AJA Mini-Converters installed**



**NOTE:** The above example is for illustration purposes only, and is not intended to represent a specific application.

**NOTE:** For details on available AJA Mini-Converter products, see: <https://www.aja.com/nav/products-mini-converters>

## Installation

DRM2-Plus Carriers are shipped pre-installed in the DRM2-Plus frame. First time converter installation requires removing the Carriers from their Carrier Slots inside the frame, in order to subsequently mount converters onto them. See ["Remove Carrier from DRM2-Plus Frame" on page 22;](#) then continue on below.

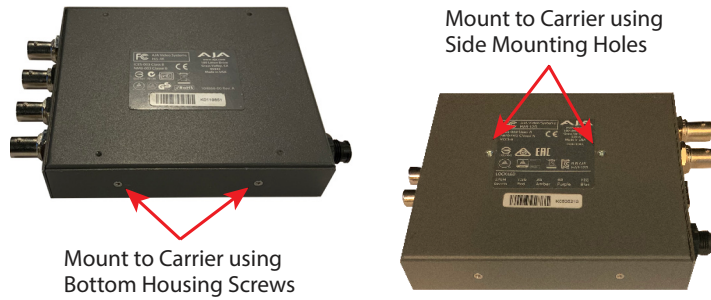
### Mounting Converters onto Carriers

Which of two alternative methods to use for mounting each converter onto Carriers depends upon the particular model of Mini-Converter. When a particular model converter has two threaded side-mounting holes, then the provided side-mounting screws can be used through the carrier mounting slots in the Carrier's vertical bracket. See ["Side-Mounting Mini-Converters" on page 16.](#)

Other Mini-Converter models which don't have side-mounting holes, will have to be attached through the Carrier's bottom plate and into the bottom of the Mini-Converter housing. You will reuse the converter's bottom housing screws, or use those provided. See ["Bottom-Mounting Mini-Converters" on page 17.](#)

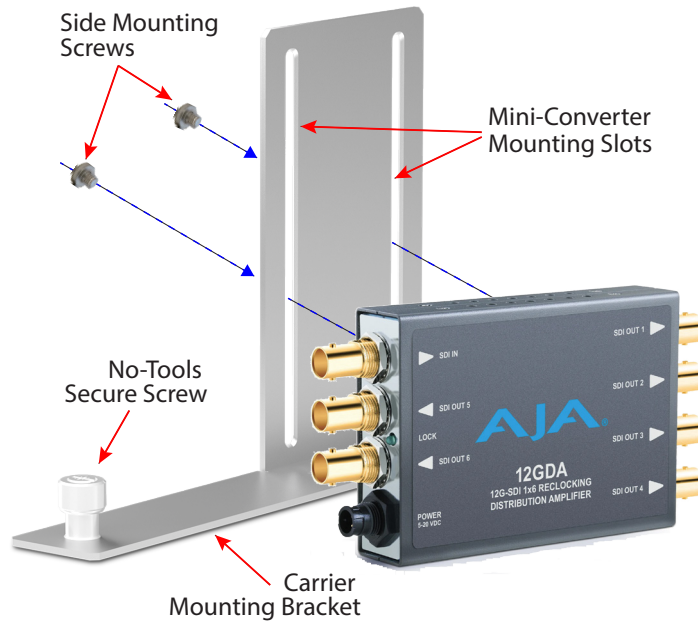
Use the appropriate method for each Mini-Converter being mounted into the DRM2-Plus. Procedures for both methods are detailed below.

Figure 23. Two methods of attaching Mini-Converters onto Carriers



## Side Mounting Mini-Converters

Figure 24. Side-mounting a Mini-Converter onto a Carrier bracket



For each Mini-Converter having side mounting holes which is to be installed into the DRM2-Plus frame, follow the below steps:

1. Attach the Mini-Converter to a Carrier bracket using two of the Phillips mounting screws provided. Adjust the screw positions through the converter mounting slots in order to align with the mounting holes found in the back of the particular converter. Do not tighten the screws completely.
2. Slide the converter all the way down against the Carrier bracket bottom (suggested).
3. Tighten the mounting screws to secure the converter onto the Carrier. Do not over-tighten.

Figure 25. Example of a Mini-Converter correctly side-mounted on a Carrier



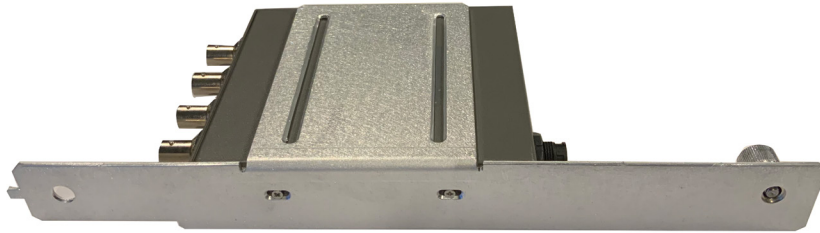
## Bottom Mounting Mini-Converters

---

For each Mini-Converter which does not have the two side mounting holes, attach it instead through the bottom of a Carrier and into the converter housing as follows:

1. Remove the two small Phillips screws from the bottom edge of the converter housing, and keep them on hand.
2. Position the Mini-Converter onto the Carrier, orienting its DC power connection towards the front (nearest the attached No-Tools Secure Screw.)
3. Replace the converter bottom housing screws through the Carrier bottom mounting slots and into the converter's bottom housing's screw holes.  
The finished Mini-Converter/Carrier assembly should look like this:

*Figure 26. Mini-Converter correctly bottom-mounted on a Carrier*



## Mounting Next-Gen Mini-Converters

---

Next-Gen Mini-Converters are mounted using the bottom\* holes on the converter, with screws through a carrier bracket side mounting slots, not through the Carrier bottom plate.

*NOTE: \* These become 'side' holes when the converter is oriented on-edge.*

*IMPORTANT: Next-Gen Mini-Converters use one Carrier for mounting, but require two adjacent carrier spaces in the rack frame.*

## Installing Converters into DRM2-Plus Frame

---

### Overview

---

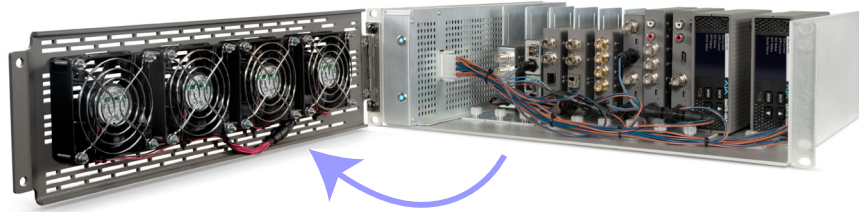
After mounting your converter(s) onto Carrier bracket(s), you are ready to install your converter(s) into the DRM2-Plus frame. Simply open the front faceplate (either passive or active type) by swinging it open on its hinge.

*NOTE: If you have opted to use the right-side inner mounting screws (which go through the door and into the rack rail), you'll need to first remove those two screws, in order to open the door.*

You can install the Converters on Carriers into the DRM2-Plus frame before you have installed its Active or Passive Faceplate door, or, even before installing the frame into the rack at all. If you do so, simply proceed with the below instructions, and then install the door (or the populated frame) into the rack after it has been populated with Mini-Converters.

**CAUTION:** *Be careful when lifting and moving a populated DRM2-Plus frame. A fully-populated frame can be somewhat heavy, and thus brings possible risk of injury and/or damage to the equipment if dropped. Therefore, it is recommended to mount the frame into the rack first, and then install Mini-Converters into it.*

Figure 27. Opening DRM2-Plus Door with Active Faceplate



**Install Carriers with converters** - you will mount Carriers into their desired Carrier Slots in the DRM2-Plus frame and secure them. Carriers must have Mini-Converters already mounted on them before the Carrier is inserted into a frame slot.

## Installing Carriers with Converters into the DRM2-Plus Frame

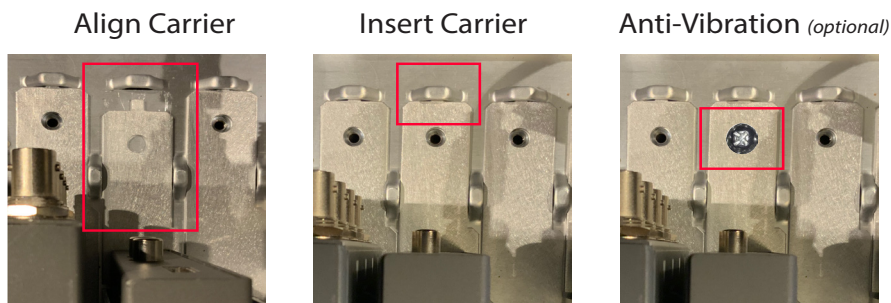
1. Align and loosely place a Carrier, together with its previously mounted Mini-Converter, into an empty Carrier slot in the DRM2-Plus frame. Do not try to align or tighten the No-Tools Secure Screw yet, that's for a later step; (after first making sure the Carrier rear is installed correctly, as described below.)

**CAUTION:** While placing a Carrier into a slot position in the DRM2-Plus frame, be sure to keep all DC power (and any other) cables above the Carrier. Avoid letting wires get caught under a Carrier.

Figure 28. Add Carrier with Mini-Converter into slot in DRM2-Plus Frame



Figure 29. Align, insert and secure rear of Carrier



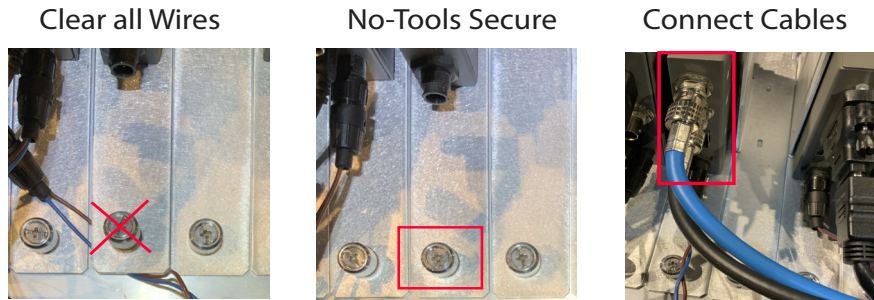
2. Align the rear tab on the Carrier with the small slot on the frame.
3. Slide the Carrier fully back.
4. (Optional) Secure the Carrier at the rear by using a provided Carrier Rear Screw. Do not over-tighten.

**NOTE:** Add the anti-vibration Rear Screw to a Carrier when the DRM2-Plus rack is to be used in a high-vibration environment (including mobile, or otherwise).

**CAUTION:** Do not over-tighten the Rear Screw.

5. Clear any wires that have been inadvertently caught underneath a Carrier.

Figure 30. Clear wires, secure front of Carrier and connect cables



**CAUTION:** Do not allow any wires to get inadvertently caught underneath the Carrier. This could damage the wires or prevent the Carrier from being properly secured.

6. Align and hand-tighten the attached No-Tools Secure Screw at the front of the Carrier.
  7. Attach the Mini-Converter DC power connector to the main DC Power Harness (or to a Y-Cable or an adapter cable if used).
  8. Attach data and AV cables to the Mini-Converter as appropriate.
- Repeat steps #1 through #8 above for each Mini-Converter Carrier that you wish to install into the DRM2-Plus frame.

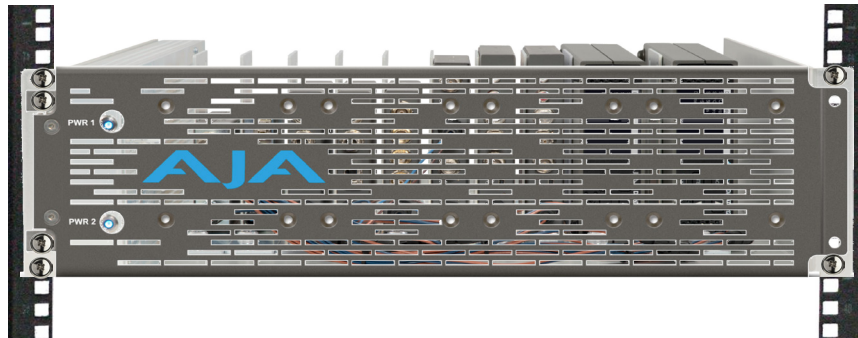
## Attach Passive Faceplate

1. Position the Passive Faceplate over its corresponding mounting holes in the DRM2-Plus.

**CAUTION:** As you position the faceplate, prevent DC power, or any other cables, from being inadvertently caught between the faceplate and DRM2-Plus frame. Check this before tightening the rack screws.

2. Use two rack-mounting screws to secure the faceplate into the rack and over the DRM2-Plus, using the left-hand inner screw holes.

Figure 31. Rack-Mounted DRM2-Plus with Passive Faceplate installed

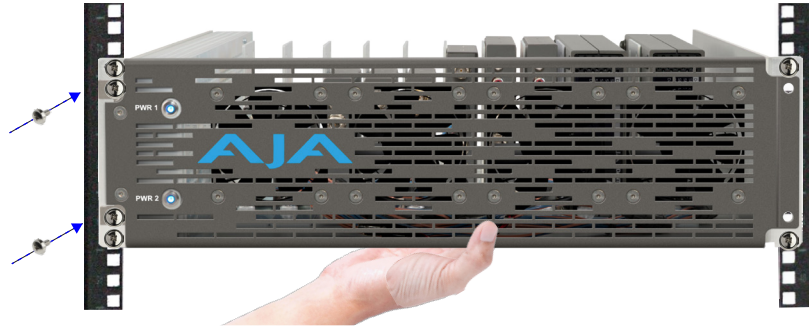


## Attach Active Faceplate

**IMPORTANT:** You will only need to do this procedure after installing the DRM2-Plus into the rack. Once installed, to access converters simply swing the faceplate open on its spring-loaded hinge.

1. With one hand, position the Active Faceplate vertically over the DRM2-Plus, fans facing inwards.
2. With the other hand, screw in two rack screws through the left-hand inner mounting holes of the DRM2-Plus and into the rack rail.

Figure 32. Attaching an Active Faceplate

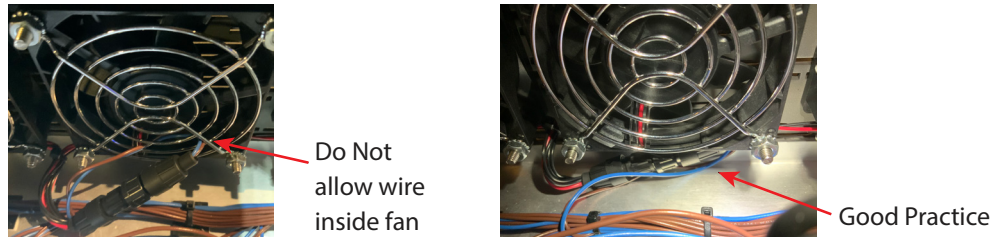


**NOTE:** Installing screws into the right-side of the door is optional, for reasons such as transportation and/or security.

3. With the door open, locate the faceplate's DC power cable and connector.
4. Connect the Active Faceplate's DC power connector to any available connector on the DRM2-Plus DC Power Harness. (Close to the hinge is best.)

**WARNING:** While positioning the Active Faceplate and before fully securing it, be careful to not allow any DC power wires to accidentally push into a fan (i.e. inside of a fan's safety grill). If the wire(s) remain that way, this could cause a loud fan noise, and/or cause a failure of the fan.

Figure 33. Keep DC power and any other wires from getting inside fan



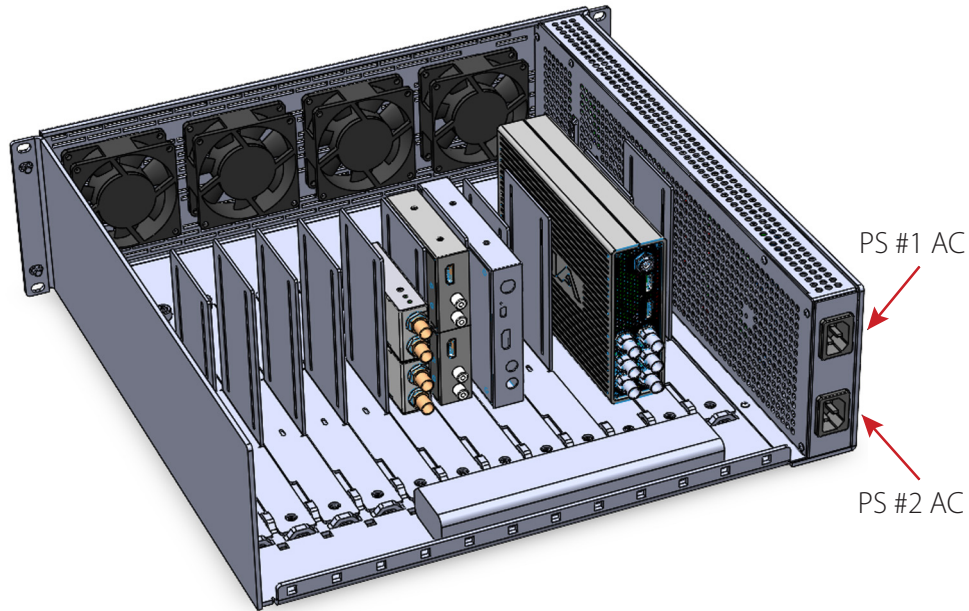
A suggested good practice for the Active Faceplate power connection is shown above right: tucked underneath a fan housing at bottom.

5. If you have access inside the DRM2-Plus after the faceplate has been secured, such as through an open rack in the rear, then you can check to see if any wires were inadvertently pinched between the faceplate door and the DRM2-Plus frame. If any pinched wires are found, simply loosen the rack mount screws slightly, remove the wire(s) then re-tighten the rack screws.
6. If disconnected, reconnect AC Power Cord #1 to the rear of the DRM2-Plus power supply and plug it into a suitable 100–240VAC outlet.
7. If using a redundant power supply, then also plug AC Power Cord #2 into a suitable 100–240VAC outlet. Ideally PS#1 and PS#2 AC cables are connected to two different AC circuits.
8. Close the door, and (optionally) secure it with the right-hand inner two rack screws.

## Redundant Power Supply (optional)

Users may initially purchase a DRM2-Plus with either a single power supply or a redundant power supply installed. See ["Ordering Configurations" on page 8](#).

Figure 34. DRM2-Plus frame with the redundant power supply:



## Uninstallation

**IMPORTANT:** The below procedures are *not* required simply for access to the converters mounted inside the DRM2-Plus. Removing the faceplate is only required in order to completely remove the DRM2-Plus frame from the rack, or when upgrading from a passive to an active faceplate.

### Remove Passive Faceplate

1. If previously installed, remove the two (2) inner screws on the right-hand side of the DRM2-Plus. Keep these screws on hand for re-installation later.
2. Remove the two (2) inner screws which hold the faceplate's left piano hinge of the DRM2-Plus into the rack. Keep these screws on hand for re-installation later.
3. Remove the faceplate from the DRM2-Plus and set it aside.

### Remove Active Faceplate

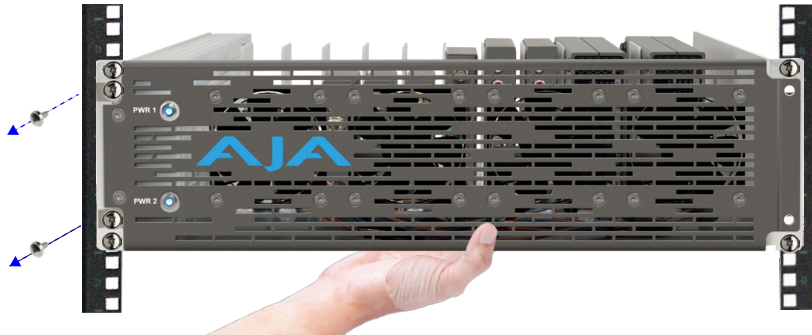
1. Disconnect the AC power cable(s) to the DRM2-Plus Power Supply from your facility's AC power source. (Optional but recommended).
2. If previously installed, remove the two (2) inner screws on the right-hand side of the DRM2-Plus. Keep these screws on hand for re-installation later.
3. Open the DRM2-Plus door.
4. Unplug the active faceplate's DC power connector from the DRM2-Plus DC Power Harness. Do this by gently twisting counterclockwise and then pulling the connector out. If possible when pulling it out, hold by the connector instead of by the cable.

Figure 35. Locate and unplug the Active Faceplate DC power connector



5. Remove the two (2) inner screws which hold the faceplate's left piano hinge on the DRM2-Plus into the rack. Keep these screws on hand for re-installation later.

Figure 36. Removing an Active Faceplate



6. Set aside the Active Faceplate for re-installation later.

**WARNING:** When handling an Active Faceplate, keep it free of contact from dust, particles, wire fragments or other debris, because such contamination could cause a loud fan noise, or cause a fan failure when power is applied.

## Remove Carrier from DRM2-Plus Frame

**NOTE:** When working with a frame full of converters it is generally ideal, when possible to have access from both the front and the rear of the DRM2-Plus frame.

1. Swing open the front faceplate using the left-mounted spring-loaded piano hinge, for easy front access.
2. If you have access to the rear of the frame, such as through an open chassis, you may be able to access and remove a Carrier from the rear of the frame only. Depending upon the ease of the access, and how many other converters are installed in the frame, this may or may not be convenient.
3. Disconnect DC power, USB, fiber and/or AV cables from the mounted Mini-Converters (if any).
4. Remove the Carrier Rear Screw (if present). Set it aside for re-installation later.
5. Loosen the No-Tools Secure Screw at the front of the Carrier, until the Carrier comes loose.
6. Slide the Carrier slightly forward (towards the front of the frame) to disengage the Carrier from the rear alignment slot.
7. Lift the Carrier up and out of the frame.

**NOTE:** Avoid catching the Carrier on other cables inside the DRM2-Plus as you move it out of the frame.

## Remove Side-Mounted Converter from Carrier

---

1. If not previously done, remove the Carrier from the DRM2-Plus frame (see ["Remove Carrier from DRM2-Plus Frame" on page 22.](#))
2. From the side side of the Carrier's vertical bracket, remove the side-mounting screws from the converter, and set them aside for future use.
3. Remove the converter from Carrier.

## Remove Bottom-Mounted Converter from Carrier

---

1. If not previously done, remove the Carrier from the DRM2-Plus frame (see ["Remove Carrier from DRM2-Plus Frame" on page 22.](#))
2. From the underside of the Carrier, remove the bottom housing screws from the Mini-Converter, and set them aside.
3. Remove the converter from the Carrier.
4. Re-insert the bottom housing screws into the carrier bottom edge of its housing.

## Special Case Installations

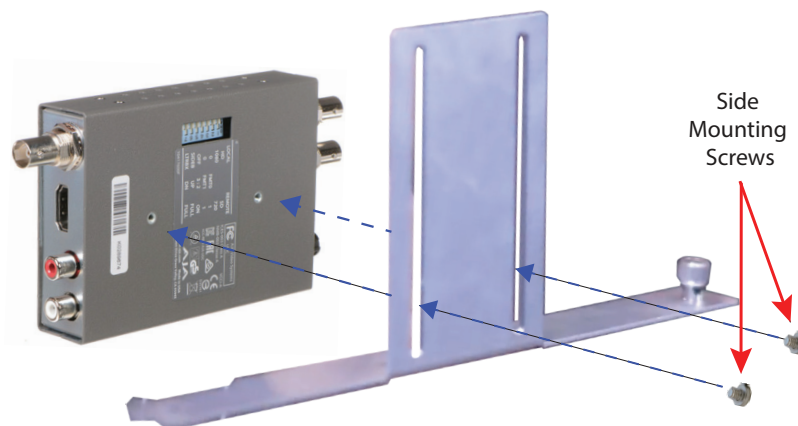
---

### Mounting Converters with DIP Switches

---

If the Mini-Converter being installed has DIP switches, these are usually found on the side of the converter, located between the two side mounting holes. The DIP switches will be covered by the Carrier's converter mounting bracket after the converter is installed onto it, making DIP adjustments impossible (while mounted). Thus a best practice is to adjust your DIP switches first, then mount the converter onto the Carrier.

*Figure 37. Mounting a Mini-Converter with DIP switches onto a Carrier bracket*



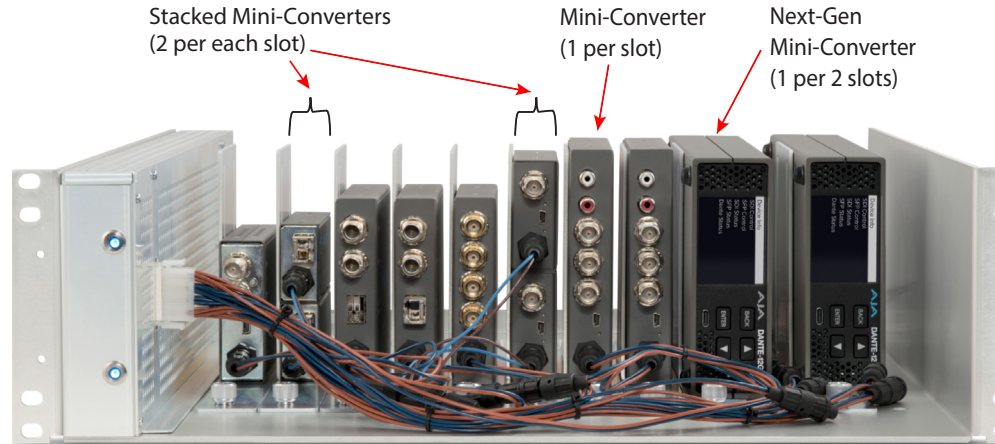
When the Mini-Converter is connected to a host computer, in most cases the same functional adjustments (and more) can be made using AJA's Mini-Config software alone, instead of using the physical DIP switches.

*NOTE:* See ["USB Connections" on page 27.](#)

## Stacking Mini-Converters Two-High

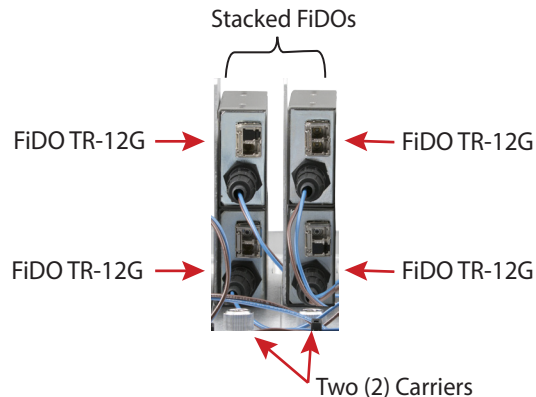
Twenty-four (24) different smaller form factor converters, such as the AJA FiDO fiber, HA5-Plus, Hi5-Plus, and V2Analog and V2Digital converters can be mounted directly on top of each other.

*Figure 38. DRM2-Plus with ten (10) Mini-Converters and two (2) Next-Gen Mini-Converters in twelve (12) Slots*



In the above example we show: a mix of four (4) Mini-Converters mounted two-high, taking one slot for each pair; six Mini-Converters mounted in six slots; plus two Next-Gen Mini-Converters which take up two slots each in the frame.

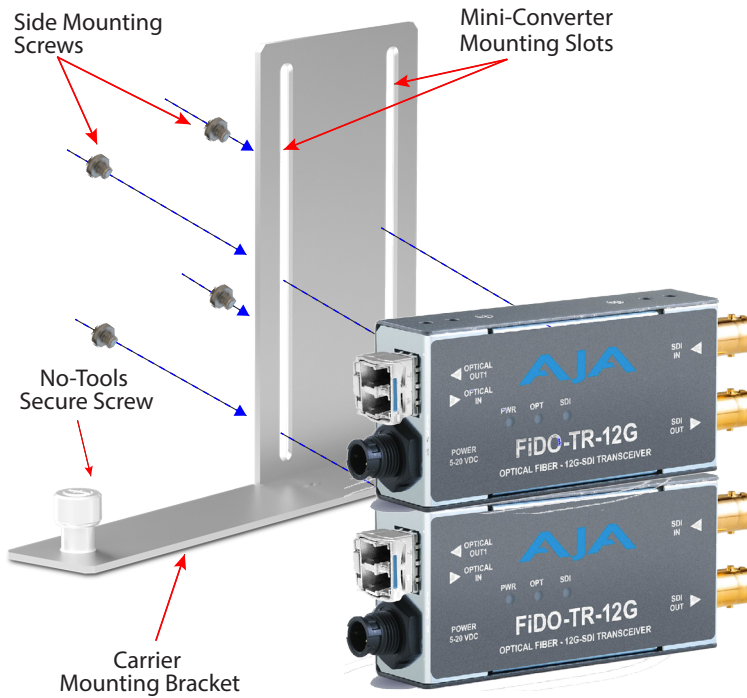
*Figure 39. (Example) Four FiDO TR-12G Mini-Converters using two Carrier Slots*



FiDOs have side mounting holes, so those are used to attach them to Carriers.

1. Use the converter mounting slots and mounting screws to install the first FiDO Mini-Converter to the bracket.
2. Slide it to the bottom against the Carrier.
3. Tighten its mounting screws.
4. Install the second FiDO above the first one, using another pair of mounting screws through the slots into the side of the second FiDO.

Figure 40. Stacking two FiDO Mini-Converters onto one Carrier bracket



5. Install the Carrier with the two FiDOs into the DRM2-Plus in the usual way.

NOTE: See ["Installing Carriers with Converters into the DRM2-Plus Frame"](#) on page 18.

Depending on how many and what mix of converters you are installing into the frame, you may need to add a DC Power Y-Cable for the additional converters. These are simply added to any power connector on the main DC Power Harness.

Figure 41. AJA DC Power Y-Cable (optional)



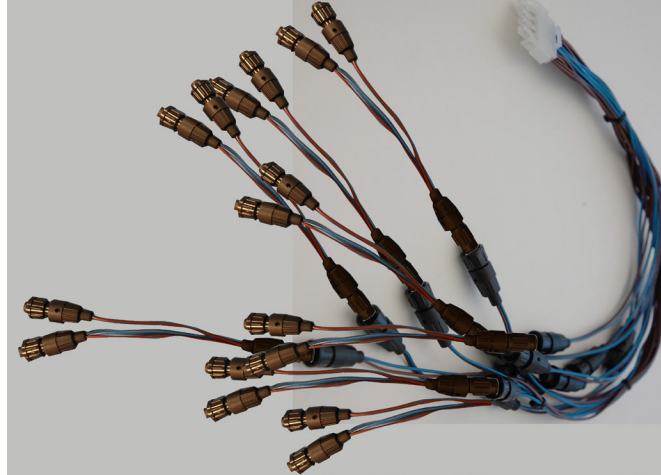
Figure 42. Y-Cable added to DC Power Harness for stacked FiDO expansion



For installing the maximum of 24 FiDOs continue below.

6. Proceed to mount up to a total of 12 pairs of stacked FiDO Mini-Converters onto 12 Carriers.
7. Install the dual-FiDO Carriers into the DRM2-Plus frame in the usual way.
8. Connect an AJA DC Power Y-Cable to all 12 of the DC connectors on the DRM2-Plus main DC Power Harness. This will provide 24 DC power cables and connectors, supporting the maximum setup of 24 FiDOs.

*Figure 43. Adding up to 12 Y-Cables to the main DC Power Harness*



9. Connect the (up to) 24 Y-Cable power connectors to the (up to) 24 FiDO Mini-Converters.
10. Connect fiber and other remaining cables to the FiDO Mini-Converters as appropriate.

## Power Harness Considerations

Up to 24x smaller AJA FiDO fiber converters can be installed - 2x per carrier in the DRM2-Plus with the optional DRM2-YC Y-Cable.

Up to 24x smaller AJA D5 converters can be installed (HA5-Plus, Hi5-Plus, HA5-Fiber, Hi5-Fiber, V2 Analog, & V2 Digital) - 2x per carrier in the DRM2-Plus with the optional DRM2-YC Y-Cable.

The standard Mini-Converters power harness has 13 power connectors. Installed Mini-Converters utilize 12 Mini-Con-X connectors, while one Mini-Con-X is reserved for the active faceplate power (if used).

The DRM2-Plus-6X Mini-XLR power harness has 7 power connectors. Installed Next-Gen Mini-Converters utilize 4-pin Mini-XLR connectors, plus there is one Mini-Con-X connector for the active faceplate power.

*NOTE: The DRM2-Plus 12V Power Supply is not compatible with the following discontinued models of 5V Mini-Converters. Contact AJA Support for additional information.*

### **Incompatible AJA Mini-Converters:**

- 3GM (+5V DC Regulated)
- D5PSW (+5V DC regulated)
- HA5 (+5V DC Regulated)
- Hi5 (+5V DC Regulated)
- Hi5-3G (+5V DC Regulated)
- LUT-Box (+5V DC regulated)

# Appendix A – Specifications

---

## DRM2-Plus Tech Specs

---

### User Interface

---

- 12x mounting slots for any AJA Mini-Converters
- Converters may be installed without removing the frame from the rack

### Size (w x d x h)

---

- 19.0" x 17.3" x 5.22" (48.26 x 45.47 cm x 13.26 cm)

### Weight

---

- DRM2-Plus with 12 Carriers, hardware, power harness, and power cord: 9.3 lbs (4.2 kg)
- DRM2-Plus Faceplate without fans .9 lbs (.4 kg)
- DRM2-Plus Faceplate w fans 2.1 lbs (.9 kg)

### Power

---

- Universal 100-240VAC, 50/60Hz power input(s)
- 13x +12V DC regulated outputs (hardwired to power supply)
- Power Consumption: 288 Watts maximum

*NOTE: If the ambient temperature is under 30C, an active faceplate is recommended if power consumption exceeds 100W. If the ambient temperature is over 30C, then an active faceplate is recommended if power consumption exceeds 75W. Please consult the Tech Specs of your Mini-Converters to calculate expected power consumption.*

### Environment

---

- Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power Off): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <2,500 meters (<8,000 feet)

# Appendix B – Safety and Compliance

---

## Federal Communications Commission (FCC) Compliance Notices

---

### Class A Interference Statement

---

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15, Subpart B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Caution

---

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## Canadian ICES Statement

---

### Canadian Department of Communications Radio Interference Regulations

This digital apparatus does not exceed the Class A limits for radio-noise emissions from a digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications. This Class A digital apparatus complies with Canadian ICES-003.

### Règlement sur le brouillage radioélectrique du ministère des Communications

Cet appareil numérique respecte les limites de bruits radioélectriques visant les appareils numériques de classe A prescrites dans le Règlement sur le brouillage radioélectrique du ministère des Communications du Canada. Cet appareil numérique de la Classe A est conforme à la norme NMB-003 du Canada.

# European Union, European Free Trade Association (EFTA) and United Kingdom Regulatory Compliance

---

This equipment may be operated in the countries that comprise the member countries of the European Union, European Free Trade Association and the United Kingdom. These countries, listed in the following paragraph, are referred to as The European Community throughout this document:

AUSTRIA, BELGIUM, BULGARIA, CROATIA, CZECH REPUBLIC, DENMARK, ESTONIA, FINLAND, FRANCE, GERMANY, GREECE, HUNGARY, ICELAND, IRELAND, ITALY, LATVIA, LIECHTENSTEIN, LITHUANIA, LUXEMBOURG, MALTA, NETHERLANDS, NORWAY, POLAND, PORTUGAL, REPUBLIC OF CYPRUS, ROMANIA, SLOVAK REPUBLIC, SLOVENIA, SPAIN, SWEDEN, SWITZERLAND, UNITED KINGDOM

## Declaration of Conformity

---

Marking by these symbols indicates compliance with the Essential Requirements of the EMC Directive of the European Union 2014/30/EU.



AJA Video Systems, Inc. declares that the following series of product

Product Names: 3RU Miniconverter Rackmount Frame with Dual Power Supplies

Model Numbers: DRM2-PLUS-P1, DRM2-PLUS-P2, DRM2-PLUS-A1, DRM2-PLUS-A2

conforms to the following European Directives

EMC Directive 2014/30/EU

Low Voltage Directive 2014/35/EU

Environmental Directives: WEEE 2012/19/EU, RoHS Directive EU 2015/863 amending Annex II to Directive 2011/65/EU

This equipment meets the following conformance standards:

### Safety

---

EN 62368-1: 2014 + A11 (T-Mark License), IEC 62368-1: 2014 (CB Scheme Report/Certificates)

### Emissions

---

EN 55032: 2015 + A11: 2020, CISPR 32: 2015 + AMD1: 2019, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A2: 2021 + AC: 2022

### Immunity

---

EN 55035: 2017 + A11: 2020, CISPR 35 : 2016, EN 61000-4-2: 2009, EN 61000-4-3: 2006 + A1: 2008 + A2: 2010, EN 61000-4-4: 2012, EN 61000-4-5: 2014 + A1: 2017, EN 61000-4-6: 2014, EN 61000-4-8: 2010, EN 61000-4-11: 2020

The product is also licensed, as required, for additional country specific standards for the International Marketplace. Additional issued licenses available upon request.



**Warning!** This is a Class A product. In a domestic environment, this product may cause radio interference, in which case, the user may be required to take appropriate measures.

**Achtung!** Dieses ist ein Gerät der Funkstörgrenzwertklasse A. In Wohnbereichen können bei Betrieb dieses Gerätes Rundfunkstörungen auftreten, in welchen Fällen der Benutzer für entsprechende Gegenmaßnahmen verantwortlich ist.

**Attention!** Ceci est un produit de Classe A. Dans un environnement domestique, ce produit risque de créer des interférences radioélectriques, il appartiendra alors à l'utilisateur de prendre les mesures spécifiques appropriées.

## Recycling Notice



This symbol on the product or its packaging indicates that this product must not be disposed of with your other household 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 for recycling, please contact your local authority, or where you purchased your product.

## Korea KCC Compliance Statement

### 사용자 안내문

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

## Taiwan Compliance Statement

### 警告使用者：

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

This is a Class A product based on the standard of the Bureau of Standards, Metrology and Inspection (BSMI) CNS 13438, Class A. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## Japan Compliance Statement

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

This is a Class A product based on the standard of the VCCI Council (VCCI 32: 2016). If this equipment is used in a domestic environment, radio interference may occur, in which case, the user may be required to take corrective actions.

## Translated Warning and Caution Messages

The following caution statements, warning conventions, and warning messages apply to this product and manual.



Warning Symbol



Hazard Symbol



Caution Symbol

## Before Operation Please Read These Instructions



**Warning!** Read and follow all warning notices and instructions marked on the product or included in the documentation.

**Avertissement!** Lisez et conformez-vous à tous les avis et instructions d'avertissement indiqués sur le produit ou dans la documentation.

**Warnung!** Lesen und befolgen Sie die Warnhinweise und Anweisungen, die auf dem Produkt angebracht oder in der Dokumentation enthalten sind.

**¡Advertencia!** Lea y siga todas las instrucciones y advertencias marcadas en el producto o incluidas en la documentación.

**Aviso!** Leia e siga todos os avisos e instruções assinalados no produto ou incluídos na documentação.

**Avviso!** Leggere e seguire tutti gli avvisi e le istruzioni presenti sul prodotto o inclusi nella documentazione.



**Warning!** Do not use this device near water and clean only with a dry cloth.

**Avertissement!** N'utilisez pas cet appareil près de l'eau et nettoyez-le seulement avec un tissu sec.

**Warnung!** Das Gerät nicht in der Nähe von Wasser verwenden und nur mit einem trockenen Tuch säubern.

**¡Advertencia!** No utilice este dispositivo cerca del agua y límpielo solamente con un paño seco.

**Aviso!** Não utilize este dispositivo perto da água e limpe-o somente com um pano seco.

**Avviso!** Non utilizzare questo dispositivo vicino all'acqua e pulirlo soltanto con un panno asciutto.



**Warning!** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

**Avertissement!** Ne bloquez aucune ouverture de ventilation. Suivez les instructions du fabricant lors de l'installation.

**Warnung!** Die Lüftungsöffnungen dürfen nicht blockiert werden. Nur gemäß den Anweisungen des Herstellers installieren.

**¡Advertencia!** No bloquee ninguna de las aberturas de la ventilación. Instale de acuerdo con las instrucciones del fabricante.

**Aviso!** Não obstrua nenhuma das aberturas de ventilação. Instale de acordo com as instruções do fabricante.

**Avviso!** Non ostruire le aperture di ventilazione. Installare in conformità con le istruzioni del fornitore.



**Warning!** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

**Avertissement!** N'installez pas l'appareil près d'une source de chaleur telle que des radiateurs, des bouches d'air de chauffage, des fourneaux ou d'autres appareils (amplificateurs compris) qui produisent de la chaleur.

**Warnung!** Nicht in der Nähe von Wärmequellen wie Heizkörpern, Heizregistern, Öfen oder anderen Wärme erzeugenden Geräten (einschließlich Verstärkern) aufstellen.

**¡Advertencia!** No instale cerca de fuentes de calor tales como radiadores, registros de calor, estufas u otros aparatos (incluidos amplificadores) que generan calor.

**Aviso!** Não instale perto de nenhuma fonte de calor tal como radiadores, saídas de calor, fogões ou outros aparelhos (incluindo amplificadores) que produzam calor.

**Avviso!** Non installare vicino a fonti di calore come termosifoni, diffusori di aria calda, stufe o altri apparecchi (amplificatori compresi) che emettono calore.



**Warning!** Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

**Avertissement!** La sécurité de la prise polarisée ou de la prise de type mise à la terre ne doit en aucun cas être empêchée de fonctionner. Une prise polarisée a deux broches, l'une étant plus large que l'autre. Une prise de type mise à la terre a deux broches et une troisième broche pour la mise à la terre. La broche large ou la troisième broche sont fournies pour votre sécurité. Si la prise fournie ne s'insère pas dans votre prise femelle, consultez un électricien pour le remplacement de la prise femelle obsolète.

**Warnung!** Der Sicherheitszweck des gepolten bzw. Schukosteckers ist zu berücksichtigen. Ein gepolter Stecker verfügt über zwei Pole, von denen einer breiter als der andere ist. Ein Schukostecker verfügt neben den zwei Polen noch über einen dritten Pol zur Erdung. Der breite Pol bzw. der Erdungspol dienen der Sicherheit. Wenn der zur Verfügung gestellte Stecker nicht in Ihren Anschluss passt, konsultieren Sie einen Elektriker, um den veralteten Anschluss zu ersetzen.

**¡Advertencia!** No eche por tierra la finalidad del tipo de enchufe polarizado con conexión a tierra. Un enchufe polarizado tiene dos espigas, una más ancha que la otra. Un enchufe con conexión a tierra tiene dos espigas iguales y una tercera espiga que sirve para la conexión a tierra. La espiga ancha, o la tercera espiga, sirven para su seguridad. Si el enchufe suministrado no encaja en el tomacorriente, consulte con un electricista para reemplazar el tomacorriente obsoleto.

**Aviso!** Não anule a finalidade da segurança da ficha polarizada ou do tipo ligação terra. Uma ficha polarizada tem duas lâminas sendo uma mais larga do que a outra. Uma ficha do tipo de ligação à terra tem duas lâminas e um terceiro terminal de ligação à terra. A lâmina larga ou o terceiro terminal são fornecidos para sua segurança. Se a ficha fornecida não couber na sua tomada, consulte um electricista para a substituição da tomada obsoleta.

**Avviso!** Non compromettere la sicurezza della spina polarizzata o con messa a terra. Una spina polarizzata ha due spinotti, di cui uno più largo. Una spina con messa a terra ha due spinotti e un terzo polo per la messa a terra. Lo spinotto largo o il terzo polo sono forniti per motivi di sicurezza. Se la spina fornita non si inserisce nella presa di corrente, contattare un elettricista per la sostituzione della presa obsoleta.



**Warning!** Since the Mains plug is used as the disconnection for the device, it must remain readily accessible and operable.

**Avertissement!** Puisque la prise principale est utilisée pour débrancher l'appareil, elle doit rester aisément accessible et fonctionnelle.

**Warnung!** Da der Netzstecker als Trennvorrichtung dient, muss er stets zugänglich und funktionsfähig sein.

**¡Advertencia!** Puesto que el enchufe de la red eléctrica se utiliza como dispositivo de desconexión, debe seguir siendo fácilmente accesible y operable.

**Aviso!** Dado que a ficha principal é utilizada como a desconexão para o dispositivo, esta deve manter-se prontamente acessível e funcional.

**Avviso!** Poiché il cavo di alimentazione viene usato come dispositivo di sconnessione, deve rimanere prontamente accessibile e operabile.



**Warning!** Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the device.

**Avertissement!** Protégez le cordon d'alimentation pour que l'on ne marche pas dessus ou qu'on le pince, en particulier au niveau des prises mâles, des réceptacles de convenance, et à l'endroit où il sort de l'appareil.

**Warnung!** Vermeiden Sie, dass auf das Netzkabel getreten oder das Kabel geknickt wird, insbesondere an den Steckern, den Steckdosen und am Kabelausgang am Gerät.

**¡Advertencia!** Proteja el cable de energía para que no se le pise ni apriete, en especial cerca del enchufe, los receptáculos de conveniencia y el punto del que salen del equipo.

**Aviso!** Proteja o cabo de alimentação de ser pisado ou de ser comprimido particularmente nas fichas, em tomadas de parede de conveniência e no ponto de onde sai do dispositivo.

**Avviso!** Proteggere il cavo di alimentazione in modo che nessuno ci cammini sopra e che non venga schiacciato soprattutto in corrispondenza delle spine e del punto in cui esce dal dispositivo.



**Warning!** Unplug this device during lightning storms or when unused for long periods of time.

**Avertissement!** Débranchez cet appareil pendant les orages avec éclairs ou s'il est inutilisé pendant de longues périodes.

**Warnung!** Das Gerät ist bei Gewitterstürmen oder wenn es über lange Zeiträume ungenutzt bleibt vom Netz zu trennen.

**¡Advertencia!** Desenchufe este dispositivo durante tormentas eléctricas o cuando no se lo utilice por largos periodos del tiempo.

**Aviso!** Desconecte este dispositivo da tomada durante trovoadas ou quando não é utilizado durante longos períodos de tempo.

**Avviso!** Utilizzare soltanto i collegamenti e gli accessori specificati e/o venduti dal produttore, quali il treppiedi e l'esoscheletro.



**Warning!** Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.

**Avertissement!** Référez-vous au personnel de service qualifié pour tout entretien. L'entretien est exigé quand l'appareil a été endommagé de quelque manière que ce soit, par exemple lorsque le cordon d'alimentation ou la prise sont endommagés, que du liquide a été versé ou des objets sont tombés dans l'appareil, que l'appareil a été exposé à la pluie ou à l'humidité, ne fonctionne pas normalement ou est tombé.

**Warnung!** Das Gerät sollte nur von qualifizierten Fachkräften gewartet werden. Eine Wartung ist fällig, wenn das Gerät in irgendeiner Weise beschädigt wurde, wie bei beschädigtem Netzkabel oder Netzstecker, falls Flüssigkeiten oder Objekte in das Gerät gelangen, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht ordnungsgemäß funktioniert oder fallen gelassen wurde.

**¡Advertencia!** Consulte al personal calificado por cuestiones de reparación. El servicio de reparación se requiere cuando el dispositivo ha recibido cualquier tipo de daño, por ejemplo cable o espigas dañadas, se ha derramado líquido o se han caído objetos dentro del dispositivo, el dispositivo ha sido expuesto a la lluvia o humedad, o no funciona de modo normal, o se ha caído.

**Aviso!** Remeta todos os serviços de manutenção para o pessoal de assistência qualificado. A prestação de serviços de manutenção é exigida quando o dispositivo foi danificado mediante qualquer forma, como um cabo de alimentação ou ficha que se encontra danificado/a, quando foi derramado líquido ou caíram objectos sobre o dispositivo, quando o dispositivo foi exposto à chuva ou à humidade, quando não funciona normalmente ou quando foi deixado cair.

**Avviso!** Fare riferimento al personale qualificato per tutti gli interventi di assistenza. L'assistenza è necessaria quando il dispositivo è stato danneggiato in qualche modo, ad esempio se il cavo di alimentazione o la spina sono danneggiati, è stato rovesciato del liquido è stato rovesciato o qualche oggetto è caduto nel dispositivo, il dispositivo è stato esposto a pioggia o umidità, non funziona correttamente o è caduto.



**Warning!** Disconnect the external AC power supply line cord(s) from the mains power before moving the unit.

**Avertissement!** Retirez le ou les cordons d'alimentation en CA de la source d'alimentation principale lorsque vous déplacez l'appareil.

**Warnung!** Trennen Sie die Wechselstrom-Versorgungskabel vom Netzstrom, bevor Sie das Gerät verschieben.

**¡Advertencia!** Cuando mueva la unidad desenchufe de la red eléctrica el/los cable(s) de la fuente de alimentación CA tipo brick.

**Advertência!** Remova os cabos CA de alimentação brick da rede elétrica ao mover a unidade.

**Avvertenza!** Scollegare il cavo dell'alimentatore quando si sposta l'unità.



**Warning!** Only use attachments and accessories specified and/or sold by the manufacturer.

**Avertissement!** Utilisez seulement les attaches et accessoires spécifiés et/ou vendus par le fabricant.

**Warnung!** Verwenden Sie nur Zusatzgeräte und Zubehör angegeben und / oder verkauft wurde durch den Hersteller.

**¡Advertencia!** Utilice solamente los accesorios y conexiones especificados y/o vendidos por el fabricante.

**Aviso!** Utilize apenas equipamentos/acessórios especificados e/ou vendidos pelo fabricante.

**Avviso!** Utilizzare soltanto i collegamenti e gli accessori specificati e/o venduti dal produttore.



**Hazard!** High Voltage. This situation or condition can cause injury due to electric shock.

**Avertissement!** Tension élevée. Cette situation ou condition peut causer des blessures dues à un choc électrique.

**Warnung!** Hochspannung. Diese Situation oder Bedingung kann zu Verletzungen durch Stromschlag führen.

**¡Advertencia!** Alto voltaje. Esta situación o condición puede causar lesiones debidas a una descarga eléctrica.

**Aviso!** Alta Tensão. Esta situação ou condição pode causar danos devido a choques elétricos.

**Avviso!** Alta tensione. Questa situazione o condizione può causare lesioni a causa di scosse elettriche.

# Warranty and Liability Information

---

## Limited Warranty

---

AJA Video Systems, Inc. (AJA Video) warrants that this product will be free from defects in materials and workmanship for a period of five years from the date of purchase. If a product proves to be defective during this warranty period, AJA Video, at its option, will either repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product.

---

In order to obtain service under this warranty, you the Customer, must notify AJA Video of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. The Customer shall be responsible for packaging and shipping the defective product to a designated service center nominated by AJA Video, with shipping charges prepaid. AJA Video shall pay for the return of the product to the Customer if the shipment is to a location within the country in which the AJA Video service center is located. Customer shall be responsible for paying all shipping charges, insurance, duties, taxes, and any other charges for products returned to any other locations.

---

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. AJA Video shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than AJA Video representatives to install, repair or service the product, b) to repair damage resulting from improper use or connection to incompatible equipment, c) to repair any damage or malfunction caused by the use of non-AJA Video parts or supplies, or d) to service a product that has been modified or integrated with other products when the effect of such a modification or integration increases the time or difficulty of servicing the product.

---

THIS WARRANTY IS GIVEN BY AJA VIDEO IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED. AJA VIDEO AND ITS VENDORS DISCLAIM ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. AJA VIDEO'S RESPONSIBILITY TO REPAIR OR REPLACE DEFECTIVE PRODUCTS IS THE WHOLE AND EXCLUSIVE REMEDY PROVIDED TO THE CUSTOMER FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IRRESPECTIVE OF WHETHER AJA VIDEO OR THE VENDOR HAS ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES.

---

# Index

---

## A

- Active Faceplate 6
- AJA Support 2
- Attach an Active Faceplate 19
- Attach an Passive Faceplate 19

## C

- Cables 10
- Configure Carrier Bracket(s) 18

## D

- Dimensions 27
- DRM2-PLUS-6X Cable 11
- DRM2-PLUS-A1 Includes 8
- DRM2-PLUS-A2 Includes 9
- DRM2-PLUS-AFP 12
- DRM2-PLUS-CB Cable 11
- DRM2-PLUS-CH 13
- DRM2-PLUS-CH12 12
- DRM2-PLUS-CX Cable 11
- DRM2-PLUS-P1 Includes 8
- DRM2-PLUS-P2 Includes 8
- DRM2-PLUS-XC Cable 11
- DRM2-PLUS-YC 10
- DRM2-PLUS-YC-12 10

## E

- Environment 27

## F

- Faceplates and Carriers 12
- Features 5
- Front Faceplates 5

## H

- High Capacity 5

## I

- Included in the Box 9
- Installation 8, 15
- Install Carriers into the DRM2 Frame 18
- Installing Carriers with Converters 18
- Installing Carriers with Converters into the DRM2-Plus Frame 18
- Installing Converters into the DRM2 Frame 17

## M

- Mini-Converter Carriers 14
- Mini-Converter Frame for 19-inch Racks 4
- Mini-Converter Mounting Carriers 14
- Mini-Converter Mounting Hardware 14

- Mounting 24 FiDO Converters 24
- Mounting Converters onto Carriers 15
- Mounting Converters with DIP Switches 23
- Mounting Mini-Converters using bottom holes 17
- Mounting Mini-Converters using side holes 16
- Mounting Next-Gen Mini-Converters 17

## O

- Ordering Configurations 8
- Overview 4
- Overview of Installation 13

## P

- Parts Available Separately 10
- Passive Faceplate 5, 6
- Power 27
- Power Cables 10
- Power Harness Considerations 26

## R

- Rack Mount Frame 13
- Rack Mount Frame with Carrier Slots 13
- Remove Active Faceplate 21
- Remove Bottom-Mounted Converter from Carrier 23
- Remove Carrier from DRM2 Frame 22
- Remove Passive Faceplate 21
- Remove Side-Mounted Converter from Carrier 23
- Replace the front faceplate 19

## S

- Safety and Compliance 28
- Special Case Installations 23
- Specifications 27
- Stacking FiDO Converters Two-high on Carriers 24

## T

- Twelve Mini-Converters Example Configuration 15

## U

- Uninstallation 21
- USB Connections 27
- USB Hub Considerations 14

## W

- Warranty and Liability 36