



ATOMX CAST 4 x HDMI Switching and Streaming Dock User Manual

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Introduction

Thank you for purchasing the AtomX CAST Switching and Streaming Dock that will transform the Ninja V and Ninja V+ into a 4 input HDMI video switcher.

Dock your Ninja V/V+ on to the AtomX CAST, connect your inputs and unlock multicam production and streaming to deliver broadcast quality production to your choice of local or global platforms/CDNs.

Checklist

- 1 x AtomX CAST
- 1 x AtomX SSDmini handle
- 1 x USB to USB-C cable
- Quick Start Guide

You will also need (sold separately)

- Atomos Ninja V / Ninja V+ Monitor-Recorder
- HDMI Cable/s

You will require HDMI cables to connect your input devices to both the AtomX CAST and Ninja V/Ninja V+. Atomos have a range of HDMI cables with die cast connectors and coiled cables in a range of lengths and connections (sold separately).

Dock, connect and power-up

NOTE: AtomX CAST will power the docked Ninja V/V+ device. AtomX CAST is reliant on DC power from the international DC power supply included with the Ninja V or Ninja V+ you are using with this device OR alternatively, AtomX CAST and the docked Ninja V or Ninja V+ can be powered via a D-Tap power source using the optional D-Tap battery cable (ATOMDTPCB1). Ensure you have a suitable power supply ready to commence operation.

Connecting Ninja V / Ninja V+

NOTE: Before attempting to attach monitor, ensure locking arm is released to allow docking. Never force or apply undue pressure when attaching your monitor. When correctly aligned the devices will lock together effortlessly.

1. Rotate the thumb screw to release CAST's locking arm (used to secure Ninja V/V+ once docked).
2. With the Ninja V/V+ in hand, align the battery slot of Ninja with expansion port of CAST and gently slide in to place in the same fashion as connecting a battery. The Ninja V/V+ will engage with a reassuring click of the battery release button.
3. Move locking arm into position, align with Ninja top mount and rotate the thumbscrew to secure the locking arm in place.

Attach Power

With the docking process complete, insert the DC jack into the DC port on the rear of the CAST and rotate the locking nut to secure it in place. The DC connection will provide power to both the AtomX CAST and the Ninja V/V+.

Release /Disconnect

To remove the Ninja V/V+ from the AtomX CAST, release thumbscrew to disconnect the locking arm, press the battery release button on the rear right hand side of the Ninja V/V+ to disengage the Xpansion port and gently slide the unit downwards. Once Ninja device is removed, fold the locking arm down and rotate the thumbscrew to secure for transit.

Note: Failure to fold the arm back in to place could result in damage to the unit.

Using AtomX SSDmini

Included with the AtomX CAST is a SSDmini handle. For ease of removing the SSDmini from the Ninja V/V+ when docked in the CAST it is advised to attach the handle to the SSDmini.

Mount Points

AtomX CAST features a 3/8" screw hole with 1/4" adapter and anti-rotational design on the base of the device. This allows you to secure the device when used on cage/rail setups or to secure on a DIT Cart. The Locking Arm of the AtomX CAST utilizes the top mount of the docked Ninja device to ensure stable connection and reduce any chance of damage to expansion ports.

Physical features

CAST i/o

- **A. DC Input Jack** – for use with the original Atomos DC power supply provided with the Ninja V or Ninja V+.
- **B. HDMI Input 1, 2, 3, 4** – Support for inputs in 1080, both interlaced and progressive up to 60 frames per second.
- **C. PRG Out** – Provides a HDMI broadcast quality output in either 1080i or 1080p program out of the switched feed, with graphics and picture-in-picture effect.
- **D. CAST Out** – Connect the provided USB-C cable to the CAST Out and connect to your Mac/PC. The CAST Out provides program out as a plug and play UVC source that appears as a high quality webcam in your chosen application.
- **E. Ventilation** – Do not obstruct
- **F. Drive Access Port** – Recess allows easy insertion and removal of HDD/SSD whilst Ninja device attached to dock
- **G. CAST Locking Arm** – Secures Ninja device

- **H. AtomXpansion Port**

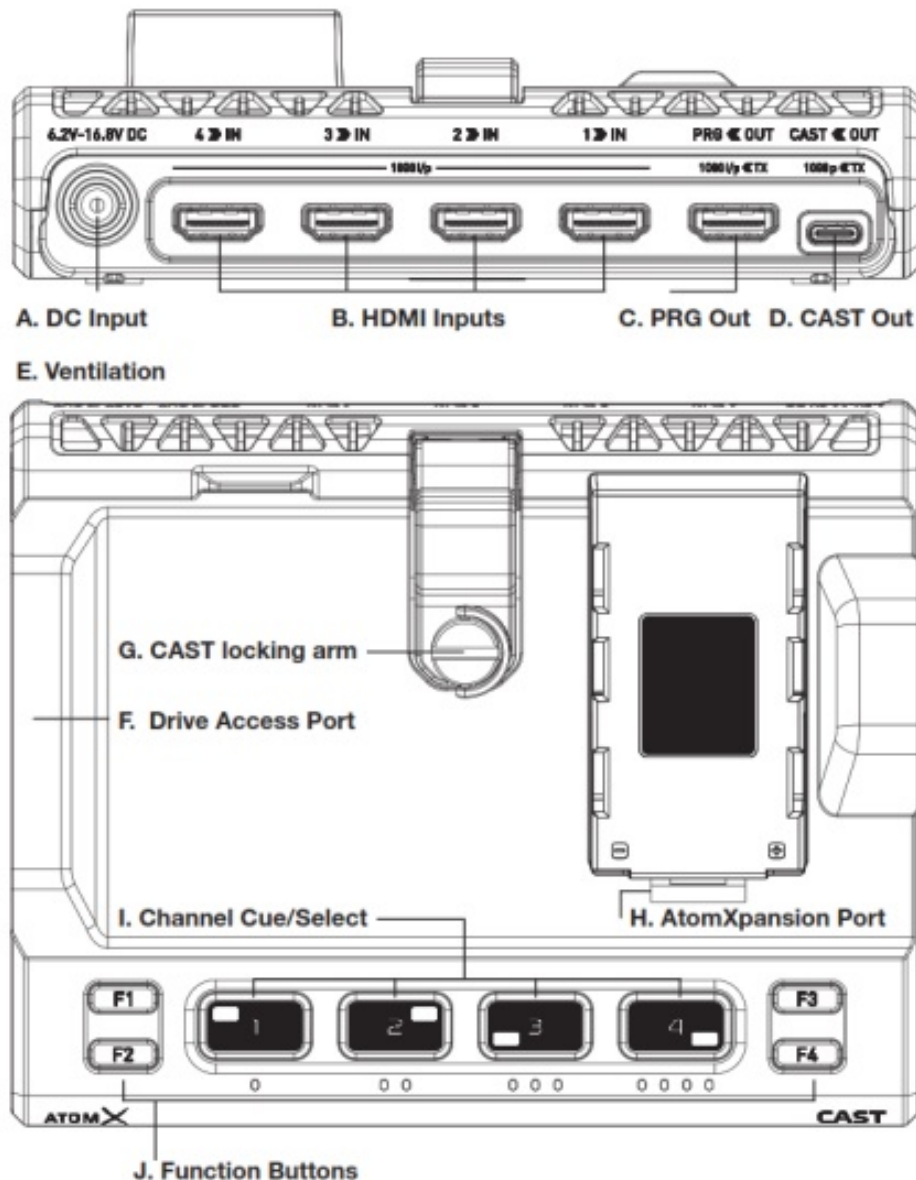
Docking the Ninja V/V+ into the AtomX CAST will utilise battery locking system to engage the unit in to the dock. After releasing the locking arm Press the release button to disengage the Ninja V/V+ from the AtomX CAST.

- **I. Channel Cue/Select Buttons**

Cue / select input channels. Refer to User Manual for more info.

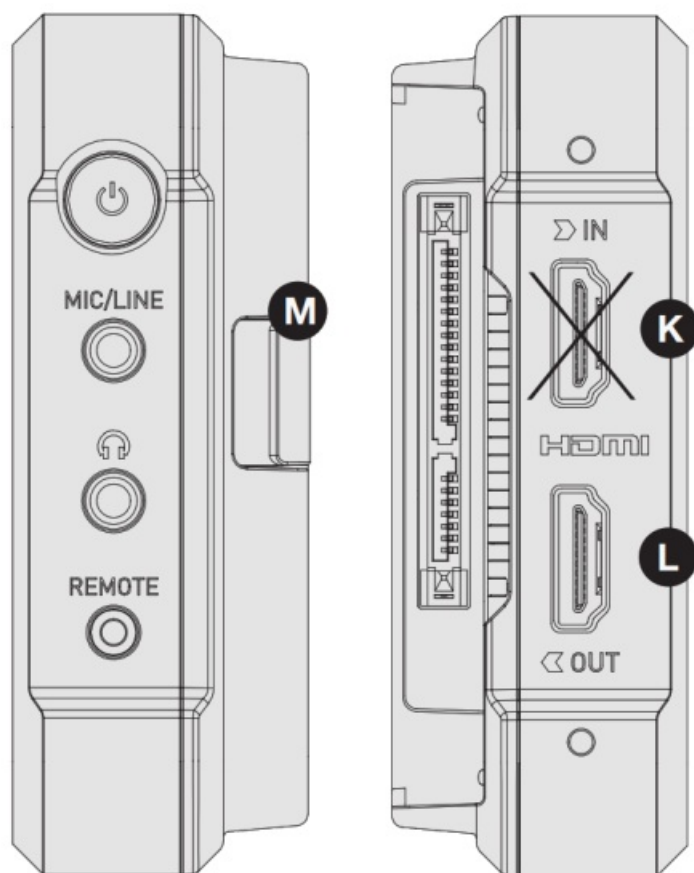
- **J. Function Buttons**

Navigate menus /settings. Refer to User Manual for more info.



- **K. When docked into the AtomX CAST the HDMI input on the Ninja V/V+ is NOT IN USE.**

- **L. HDMI OUT –** The HDMI Output of the Ninja V/V+ can be configured for use as Program, Preview or Multiview output. This is configured from within the menu of the Ninja V/V+.



- **M. Release Button** – press the battery release button on the rear right hand side of the Ninja V/V+ to disengage the AtomXpansion Port.

Safety Instructions

The AtomX CAST is designed to a high standard, but there are some things you should be aware of that will prolong the life of the unit and for your own safety.

Using the AtomX CAST safely

Although the AtomX CAST is very lightweight compared to all the devices it replaces, it is still a solid object that could cause injury if misused.

- Always make sure that the AtomX CAST is mounted securely and is unable to fall onto anyone nearby. This is especially important when there are children present who might be tempted to pull on cables.
- Always ensure that cables that run to the AtomX Cast are clearly visible and do not present a trip hazard.
- Do not place on uneven or unstable surfaces.
- Do not insert anything but a Atomos Master Caddy II or AtomX SSDmini in the drive slot on the rear of the Ninja V/Ninja V+.
- Do not touch the Expansion Port with sharp, metallic or abrasive objects.
- Do not expose to strong electrical or magnetic fields.
- Do not expose to liquids, rain or moisture.
- Do not dispose of the AtomX CAST in municipal waste and do not incinerate it, always follow local regulations for safe disposal.

Notifications

USA

WARNING: This product contains the chemical lead (Pb) which is known to the State of California to cause cancer. For more information, visit p65warnings.ca.gov

Warranty & Conditions

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ATOMOS warrants that:

- The main product, or any external accessories, will be free from defects in materials and workmanship for a period of 1 year from the date of purchase. If during the warranty period the product is shown to be defective ATOMOS may at its option:
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 - b) repair the goods,
 - c) pay the cost of replacing the goods or of acquiring equivalent ones or
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- A failure to comply with the then current operating instructions issued by ATOMOS;
- Neglect;

Warranty & Conditions CONT.

- Improper or negligent acts or omissions;
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Documents / Resources



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