

ATOM X

# CAST

FOR ATOMOS NINJA V / NINJA V+



## Register for firmware update notifications

Create your account at [my.atomos.com](https://my.atomos.com)

This will ensure you receive notifications of the latest firmware updates for your AtomX CAST

[my.atomos.com/register](https://my.atomos.com/register)



## Download the latest firmware for your Ninja V or Ninja V+ to enable the optimum functionality for AtomX CAST

[atomos.com/product-support](https://atomos.com/product-support)



To access more information about AtomX CAST or AtomX Accessories for you Ninja V or Ninja V+ scan the QR code or visit [atomos.com/accessories](https://atomos.com/accessories)

# 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

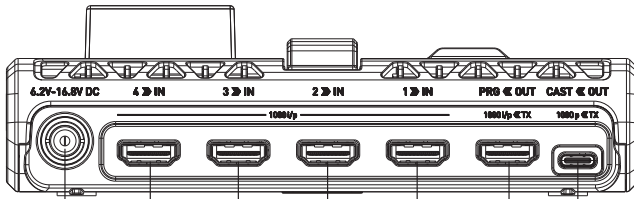
Docking the Ninja V/V+ into the AtomX CAST will utilise battery locking system to engage the unit in to the dock. After releasing the locking arm Press the release button to disengage the Ninja V/V+ from the AtomX CAST.

### 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.

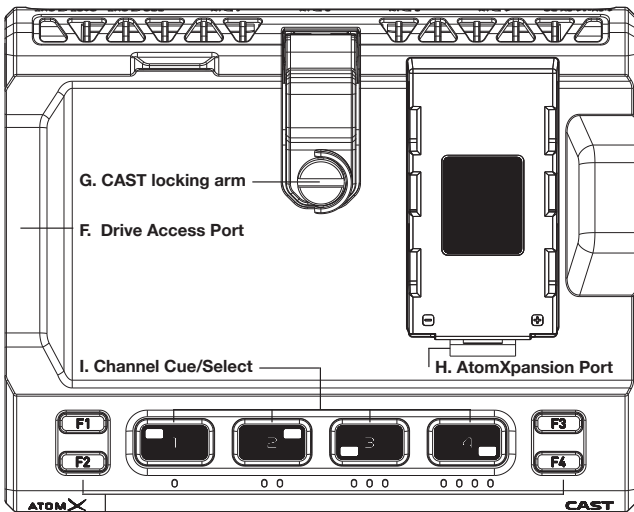


A. DC Input

B. HDMI Inputs

C. PRG Out D. CAST Out

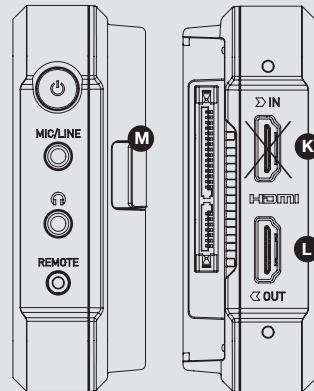
E. Ventilation



J. Function Buttons

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](http://p65warnings.ca.gov)

# Warranty & Conditions

---

## Notice

Copyright ©2021 ATOMOS Global Pty Ltd ('referred to as ATOMOS'). All rights reserved. All information in this document 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 ATOMOS. A reference to ATOMOS includes its related entities, subsidiaries and parent company.

## Trademarks

AtomX CAST is a registered trademark of ATOMOS Pty Ltd. All other trademarks are the property of their respective holders.

## International Hardware Limited Warranty (1 Year Standard)

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:

a) replace the goods or supply equivalent ones, b) repair the goods, c) pay the cost of replacing the goods or of acquiring equivalent ones or d) paying the cost of having the goods repaired; The customer must notify ATOMOS of any defect in the goods in writing prior to the expiry of the warranty periods set out above. The customer will be solely responsible for returning the goods to ATOMOS or its authorized distributor. Upon acceptance of a warranty claim by ATOMOS, where ATOMOS repairs or replaces the goods, it will be responsible for reasonable shipping costs incurred in sending the goods to the Customer, provided that customer is located in a country in which ATOMOS has an authorized distributor or repair center or agent.

## Warranty Exclusions

This warranty applies only to defects in workmanship and does not cover defects caused by:

- A failure to comply with the then current operating instructions issued by ATOMOS;
- Neglect;

# Warranty & Conditions CONT.

---

- Improper or negligent acts or omissions;
- Unauthorized repairs or attempted repairs;
- Tampering with or modification of the goods;
- Connection to incompatible equipment or power sources;
- Exposure to water or weather;
- Exposure to magnetic fields or corrosive liquids or substances;

EXCEPT AS STATED IN THIS WARRANTY, ATOMOS, IT'S VENDORS, AGENTS, RESELLERS AND DISTRIBUTORS DISCLAIM IN THEIR ENTIRETY ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES OUTLINED IN THIS WARRANTY ARE THE EXCLUSIVE REMEDY A CUSTOMER HAS ARISING FROM DEFECTIVE GOODS WHICH ARE SUBJECT TO THE WARRANTY. ATOMOS DOES NOT WARRANT THAT THE GOODS WILL OPERATE IN A MANNER WHICH IS ERROR FREE, OR UNINTERRUPTED.

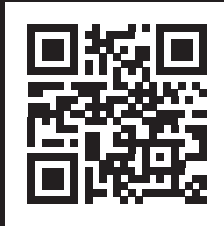
## Software License Agreement

IMPORTANT, PLEASE READ CAREFULLY. THIS IS A LICENSE AGREEMENT.

This ATOMOS software, related documentation, any included sample images and other files (the "Software"), is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Software is licensed, not sold.

This End User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and ATOMOS with regard to the copyrighted Software provided with this EULA. Use of the Software provided to you by ATOMOS in whatever form or media, will constitute your acceptance of these terms, unless separate terms are provided by the software supplier, in which case certain additional or different terms may apply. If you do not agree with the terms of this EULA, do not download, install copy or use the Software. By installing, copying or otherwise using the Software, you agree to be bound to the terms of this EULA. If you do not agree to the terms of this EULA, ATOMOS is unwilling to license the Software to you.

1. Eligible licensees. This Software is available for license solely to purchasers of the AtomX Cast, who have purchased a unit manufactured by ATOMOS and purchased through an ATOMOS authorized reseller, with no right of duplication or further distribution, licensing or sub-licensing.
2. License Grant. ATOMOS grants you a personal, non-transferable and non-exclusive right to use the copy of the Software provided with this EULA. You agree you will not copy the Software except as necessary to use it with the AtomX Cast. You agree that you may not copy the written materials accompanying the Software. Modifying, reverse engineering, translating, renting, copying, transferring or assigning all or part of the Software or any rights granted hereunder, to any other persons or reverse engineering the hardware on which the Software runs, is strictly prohibited. The software is license, not sold. You acknowledge that no title to intellectual property in the Software is transferable to you. You further acknowledge that title and full ownership rights to the Software will remain the exclusive property of ATOMOS and/ or its suppliers, and you will not acquire any rights to the Software, except as expressly set forth above. All copies of the software will contain the same proprietary notices as contained in or on the Software. All title and copyrights in and to the Software (including but not limited to any images, animations, video, audio, text incorporated), the accompanying printed materials, and any copies of the Software are owned by ATOMOS or its suppliers.
3. Reverse engineering. You agree that you will not attempt, and if you are a corporation, you will use your best efforts to prevent your employees and contractors from attempting to reverse compile, derive circuits, modify, translate or disassemble the Software and/or the AtomX Cast in whole or in part. Any failure to comply with the above or any other terms and conditions contained herein will result in the automatic termination of this license and the reversion of the rights granted hereunder by ATOMOS. ATOMOS reserves the right to terminate this license without prejudice to any additional recourse ATOMOS may have against you if you violate any of its terms and conditions.



GET STARTED

[atomos.com/quickstart](https://atomos.com/quickstart)