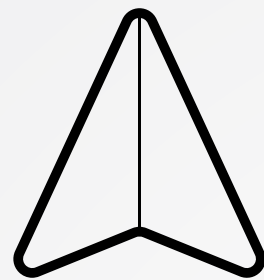


# NAVIGATOR

USER GUIDE



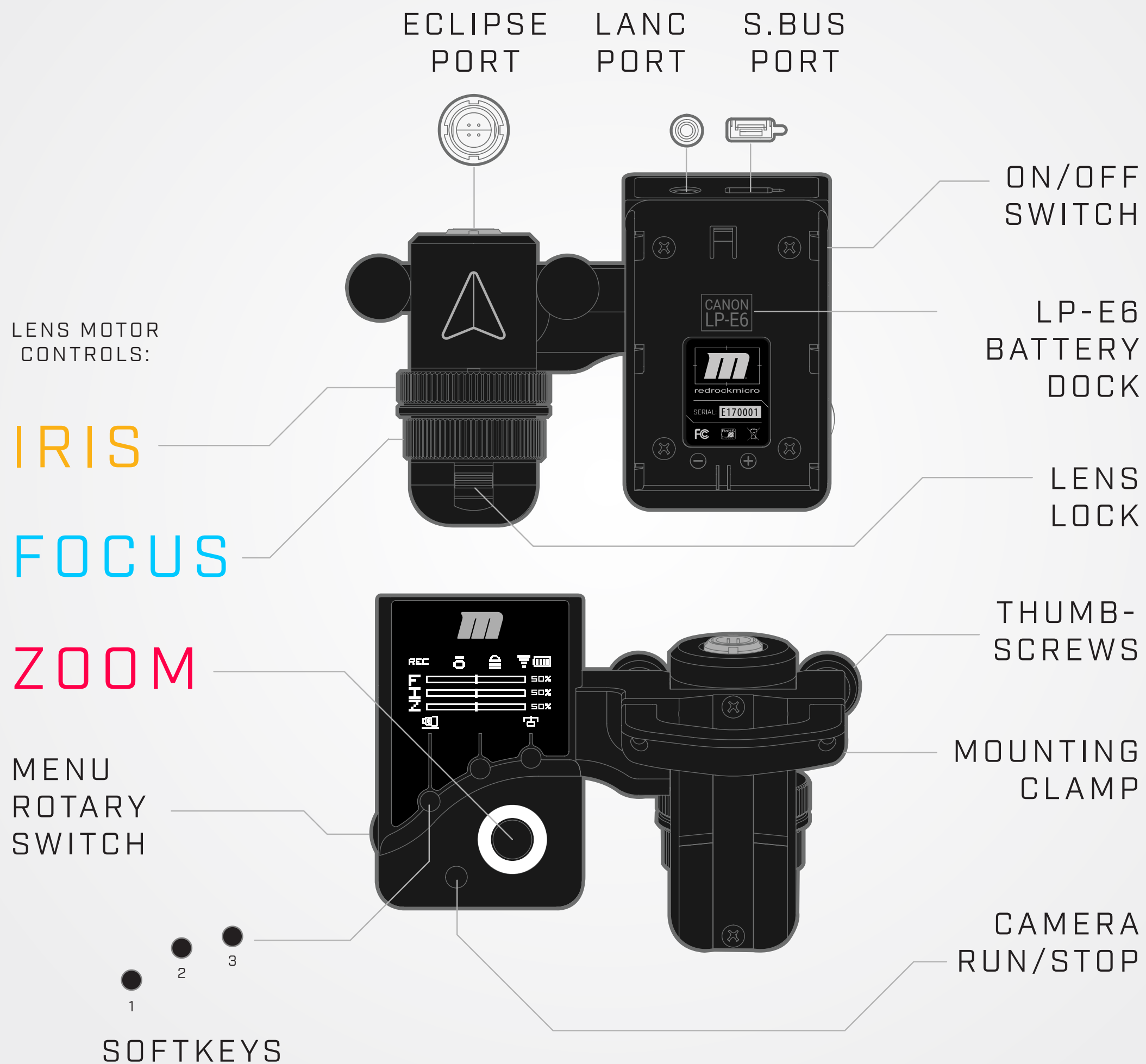
REV. 1.2



# NAVIGATOR

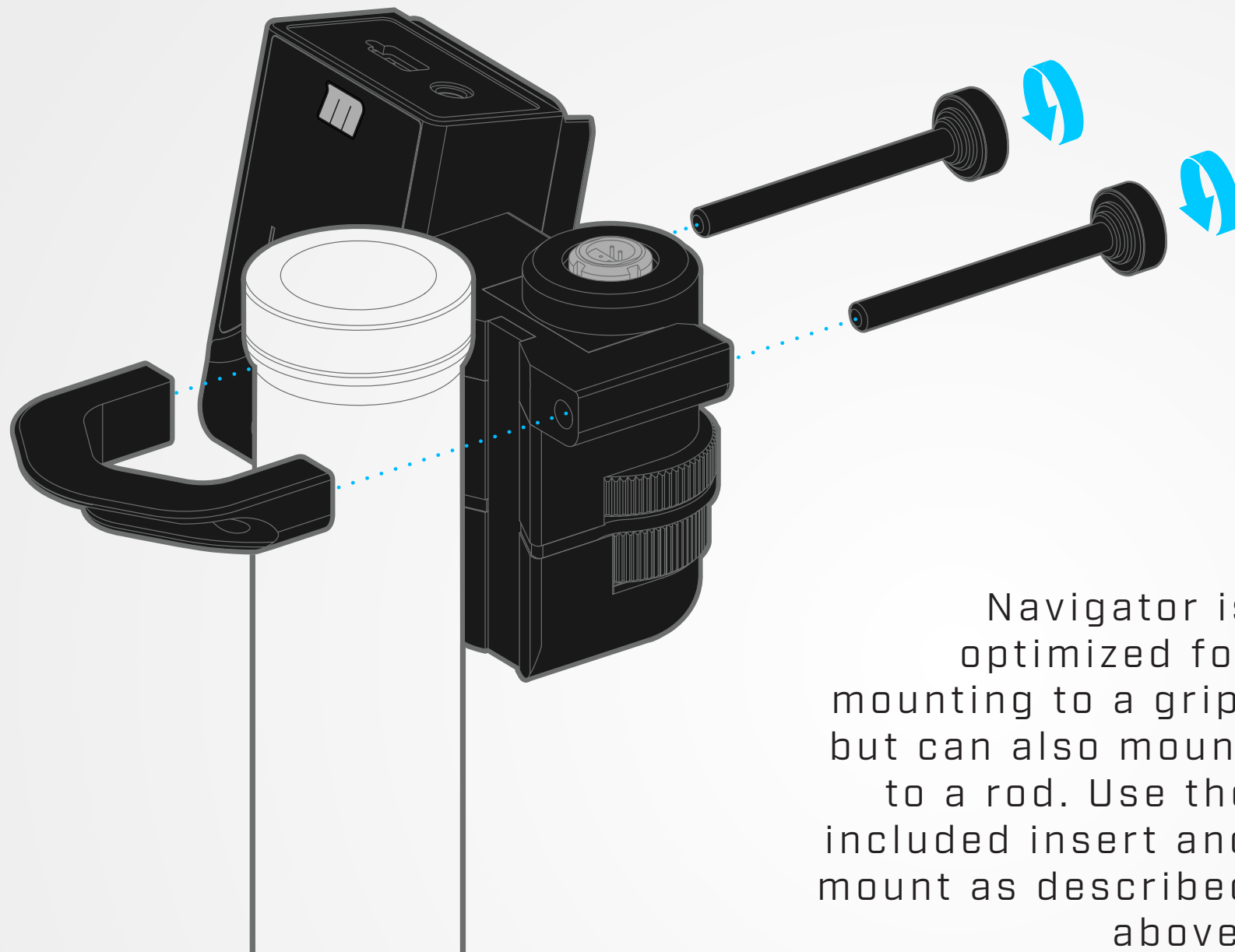
OVERVIEW	3
NAVIGATOR SETUP	4
CALIBRATION	5
THE HOMESCREEN	6
SETUP MENU	7
ATLAS CONTROL	8
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# OVERVIEW



## SETUP

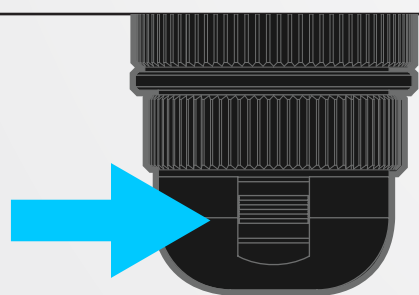
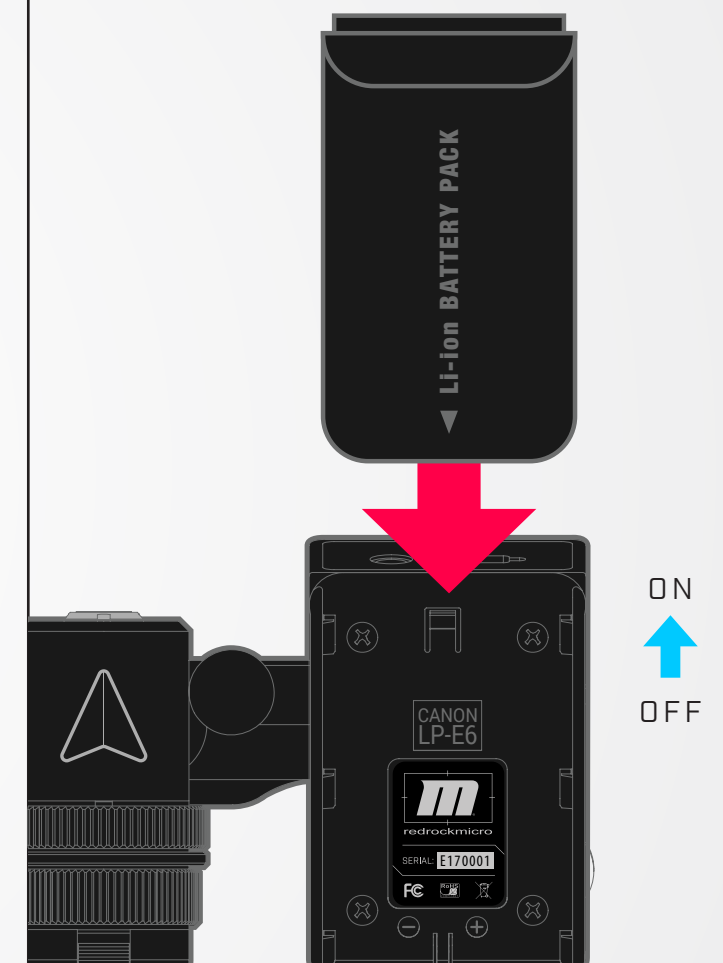
Place Navigator into position on grip and tighten thumbscrews completely.



Navigator is optimized for mounting to a grip, but can also mount to a rod. Use the included insert and mount as described above.

## POWER

Navigator is powered from a single LP-E6 battery. Slide battery into Navigator's battery dock and turn the power switch to 'ON'.



## LENS LOCK

The Lens Lock switch engages fixed hard stops to limit travel of the focus fingerwheel when desirable.



When lens lock is engaged, Navigator focus wheel is limited to 270 degrees of travel.



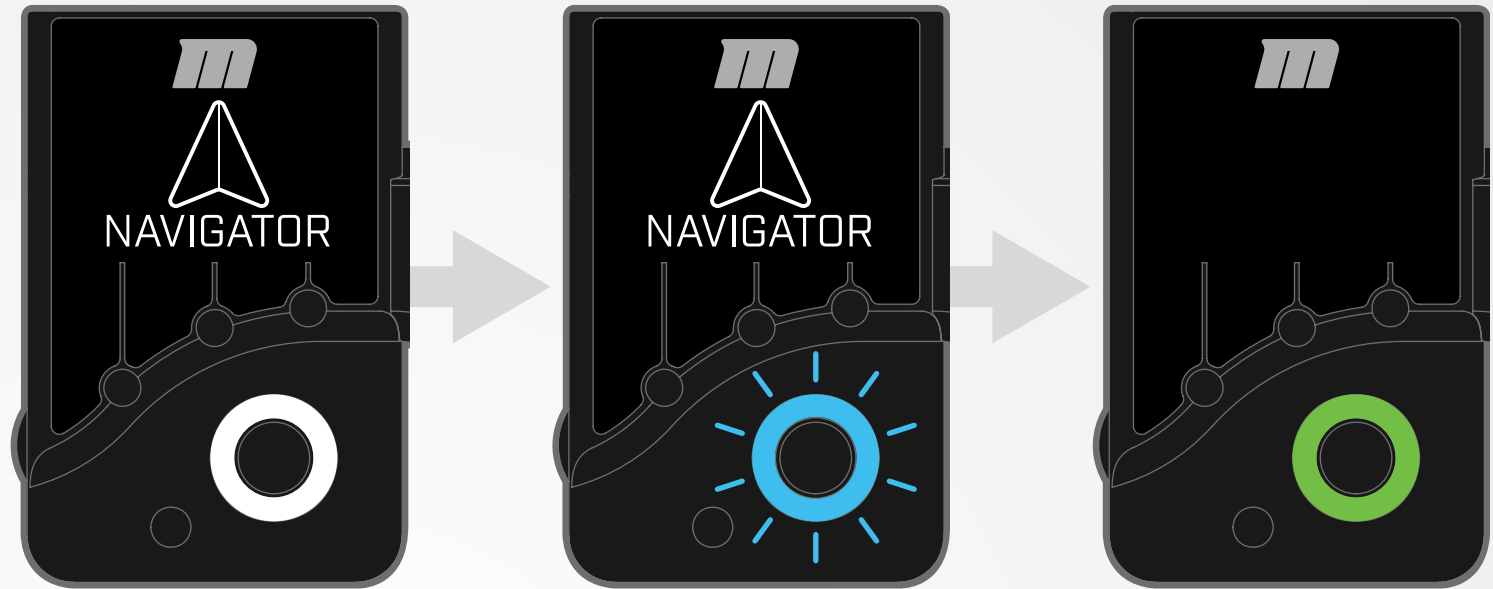
When lens lock is not engaged, Navigator focus wheel has a full 360 degrees of travel (freewheel).

# NAVIGATOR CALIBRATION

Don't hate, calibrate

1. Reboot Navigator

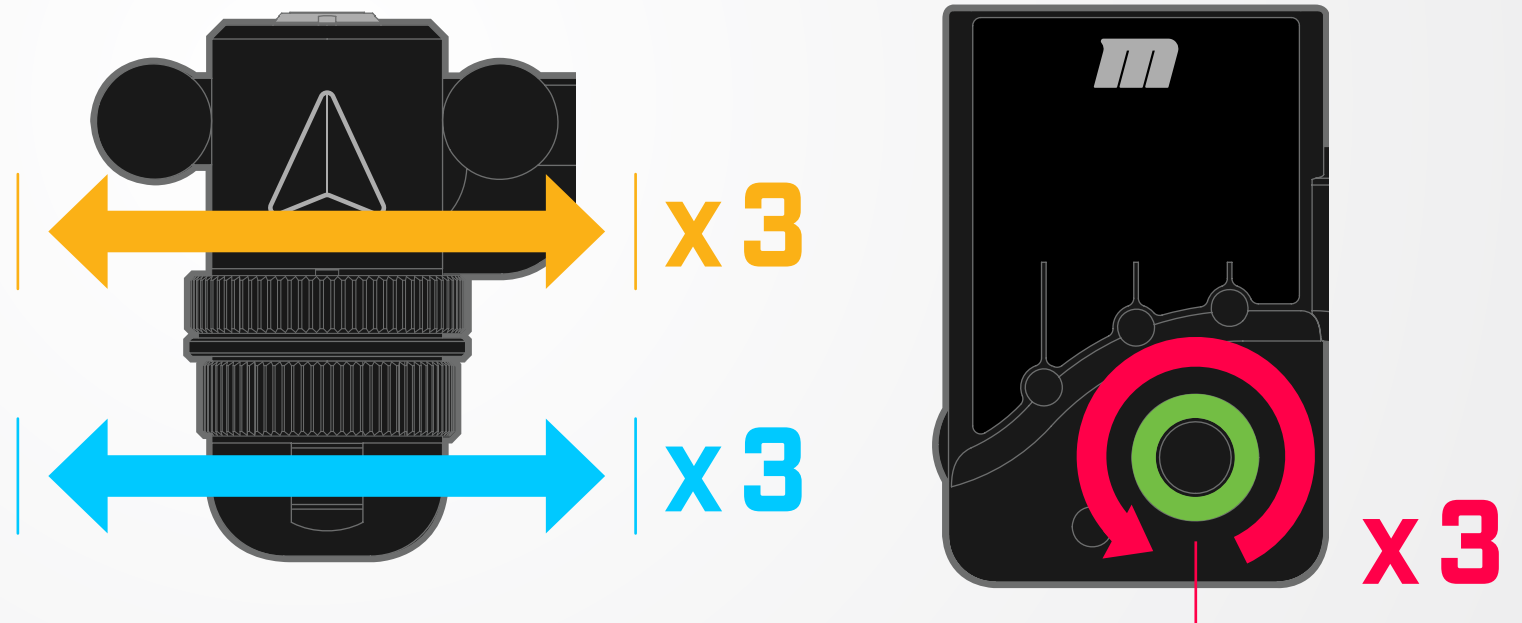
2. When the Navigator logo screen appears, press in and hold the joystick. The Eclipse ring will flash blue. Release the joystick, the ring will turn green. Navigator will boot but you will not see a display.



3. Rotate the Focus wheel to each endpoint, 3 times.

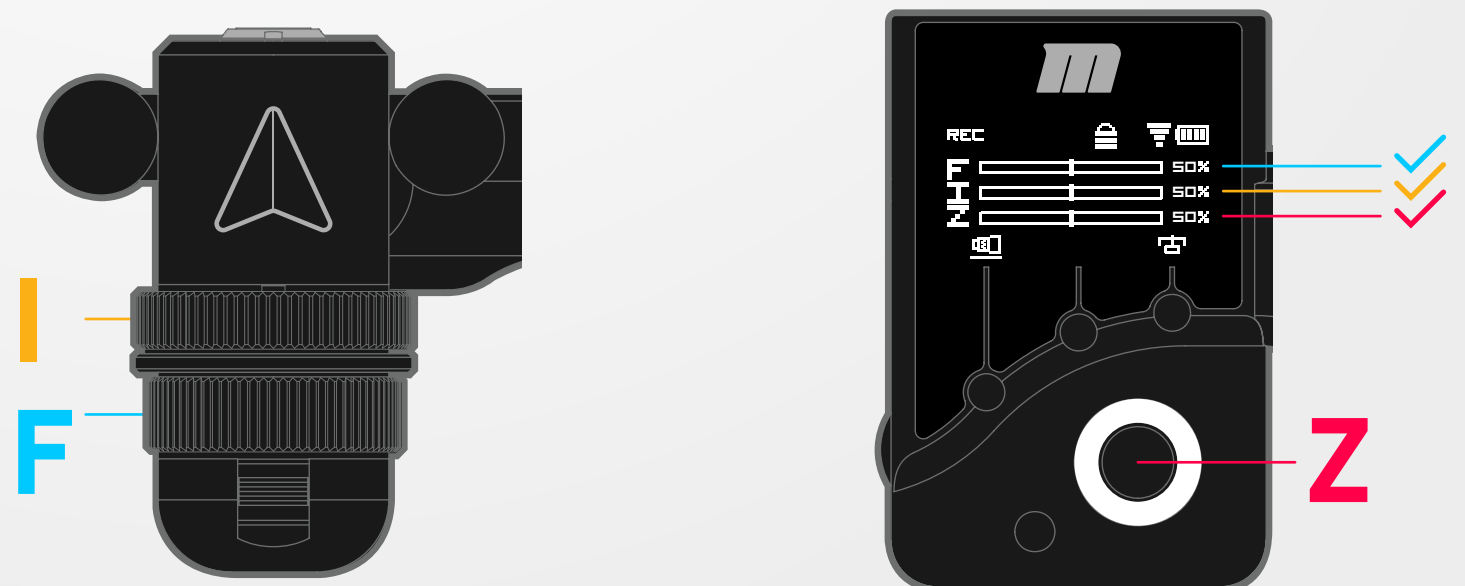
4. Rotate the Iris wheel to each endpoint, 3 times.

5. Rotate the joystick 360 degrees, 3 times.



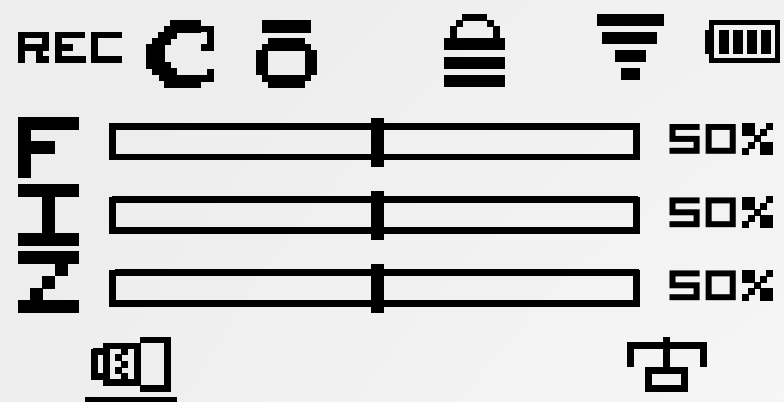
6. Press in Joystick.  
Navigator will reboot.

7. Confirm that the FIZ status sliders respond when you move their respective controls:



# THE HOMESCREEN

Guide to icons you will find on the Navigator home screen




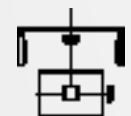


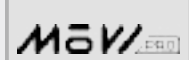

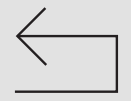


<b>FIZ</b>	SLIDERS	Sliders represent critical focus and travel distance for each motor assigned to each mode [FIZ]. i.e. F indicates the critical focus and throw for your calibrated focus motor.
	LENS MODE	If LENS Mode is underlined, Navigator's joystick controls the Zoom motor. Navigator's focus and iris rings control Focus and Iris motors.
	GIMBAL MODE	If GIMBAL Mode is underlined, Navigator's joystick controls the pan and tilt of the connected gimbal. Navigator's focus and iris rings control Focus and Iris motors.
	BATTERY LEVEL	Live visual battery feedback, when using an LP-E6 battery directly on the Navigator.
	AC POWER	Indicates the Navigator is plugged into an external power source.
	LENS LOCK	Indicates that the lens lock is engaged. See page 4 for more details.
<b>REC</b>	RUN/STOP	Indicates that camera is recording. ***For this feature to be accessible, Run/Stop cable must be connected from camera to Navigator.
	MOVI PRO MODE	Indicates that MoVI Pro mode has been enabled. Enter MoVI Pro mode through the Setup Menu
	CANON MODE	Indicates that Canon mode is been enabled. Enter Canon mode through the Setup Menu
	RADIO SIGNAL	Indicates the signal strength of the wireless radio signal.

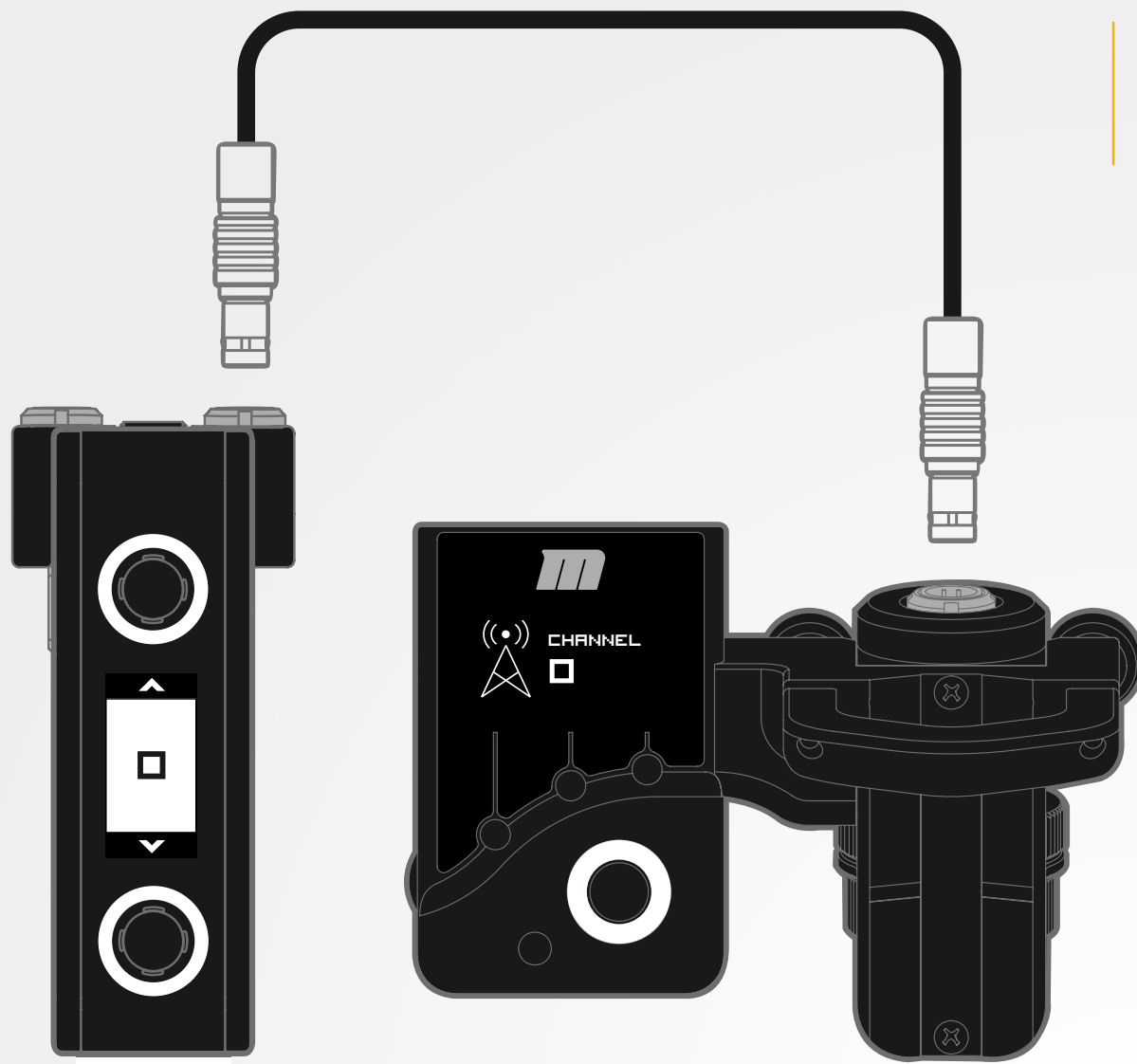
# SETUP MENU

Press in Rotary Dial for one second to enter setup menu. Turn Rotary Dial to scroll, press in Rotary dial to select.



	LENS	Sets the zoom speed from 1-10.
	RADIO	Change the radio channel to match your wireless controller. Channels range from 1 - 10. Default channel is 0.
	AUDIO	Enable or disable the Atlas audio feedback. Default audio is on.
	GIMBAL	Set the pan/tilt speed from 1-10
	DIM	Enabling power save mode dims your display when you haven't used it in a while, extending your battery life.
	CANON MODE	Canon mode enables Canon-specific features like autofocus and run/stop. Cable must be attached from camera to Navigator. Cable not included.
	MOVI PRO MODE	Full gimbal and lens control via MoVI API. Joystick controls gimbal, focus and iris wheels control focus and iris. Ideal when using standard motors (not Atlas)
	DIAGNOSTICS	The Atlas diagnostics screen
	EXIT	Navigate to the Exit screen and press joystick in to return to the home screen.

# ATLAS CONTROL



## DIRECT (WIRED)

Set the radio channel to **0** in both the Navigator and Atlas.

Connect the Navigator to the Atlas with an Eclipse cable.

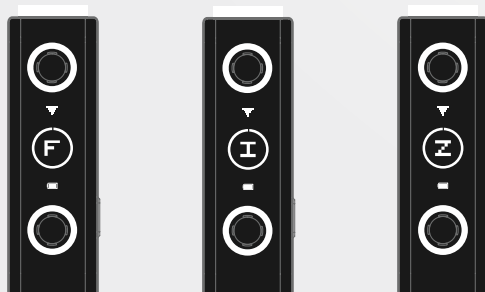
Navigator's focus wheel will now control the Atlas motor (set to mode 'F').



## WIRELESS

Set the radio channel to your preferred channel in **BOTH** the Navigator and Atlas.

Navigator's focus wheel will now control the Atlas motor (set to mode 'F').



To Activate Navigator's **full FIZ** features, daisy-chain additional Atlas motors to the focus motor you've just connected. Change each Atlas' respective mode to IRIS and/or ZOOM\*. Navigator will now control all three motors.

\*See Atlas User Guide for help changing modes.



# TECH SPECS

## General

POWER	MATERIAL	DIMENSIONS	WEIGHT
12VDC to 18VDC	Aircraft Grade Aluminum	L: 72mm W: 95mm D: 79mm	199 Grams

## Connectors

Connector 1	Eclipse Net Power and Communications
Connector 2	Mini Control Port 4 PIN JST GH
Connector 3	2.5mm (LANC)

## Rigging

Clamp	Optional Power	Optional Power
Min OD: 19mm Max OD: 31mm	LP-E6	Eclipse Net

## Communications

EclipseNet	WiFi	RF	S.Bus	MoVI Pro API	Bluetooth
Yes	802.11n	2.4Ghz	Yes	Yes	No

Redrock Micro provides a one year limited warranty for Redrock products that contain electronic components. This limited hardware warranty covers defects in workmanship and materials of our products for up to one year, and does not cover damage to this product that results from improper installation, accidents, abuse, misuse, negligence, natural disaster, insufficient or excessive electrical supply (if applies), damage from incorrect cabling, abnormal mechanical or environmental conditions, dust or any unauthorized disassembly, repair or modification.

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

Minimum Voltage 12VDC, 3A  
Maximum Voltage 18VDC, 3A



# TROUBLESHOOTING

## 1. Intermittent communications:

### Wireless:

- Make sure you are not connected via Eclipse Cables
- Make sure your Atlas and controller are set to the same channel
- Possible wireless interference. Change to a different radio channel

### Wired:

- Make sure radio channel on Atlas and controller are set to 0

## 2. No communication/control:

- Confirm you are connected with the correct controller. Atlas indicates the connected controller via display icon
- Make sure your Atlas and controller are set to the same channel
- Check to be sure you are using the correct control. i.e. Atlas top wheel = Focus, top wheel = Iris, and joystick = Zoom.

## 3. Controls not reaching 0 / 100% on display

Calibrate Navigator (detailed steps page ##). Calibrate Navigator by cycling power, once the Navigator logo is displayed, press in and hold joystick until Eclipse light flashes blue. Release joystick. Eclipse light should now be green. Rotate focus knob fully in both directions, rotate Iris knob fully in both directions. Rotate Joystick in a complete circle. Press joystick Navigator will reboot.

## Troubleshooting Checklist

- Power cycle system
- All batteries are fully charged
- Check that all cables are plugged in to correct ports and fully seated
- Check for radio interference
- Make sure wireless channel matches on Navigator and Atlas
- Calibrate motor after any lens change or motor reposition

Most potential issues that you may encounter with your Navigator can be solved by reviewing this list.

If you are still experiencing issues with your Navigator after consulting the Troubleshooting section please contact Redrock Support toll free at 1-888-214-3903 or [support@redrockmicro.com](mailto:support@redrockmicro.com).

