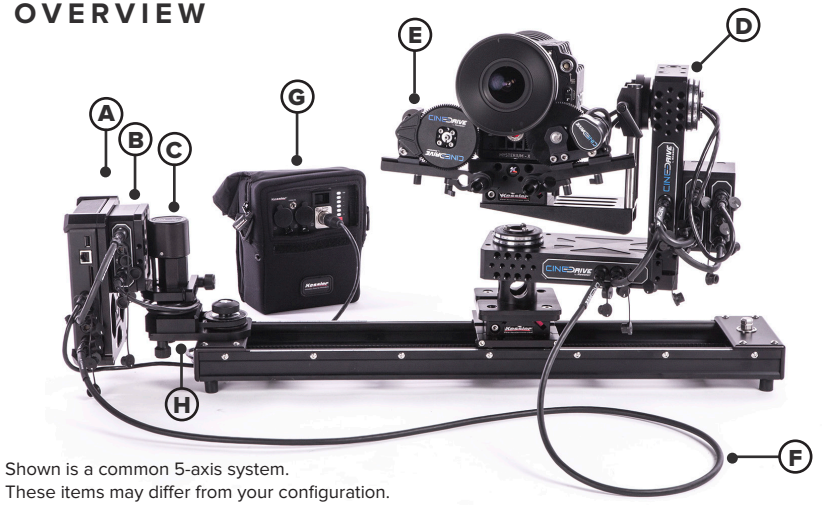
CINEDRIVE™
by Kessler

QUICK START

OVERVIEW



Shown is a common 5-axis system.
These items may differ from your configuration.

A) Brain
The control module of the CineDrive system is the CineDrive Brain. All control commands and data sent by the kOS software are stored and carried out by the CineDrive Brain.

B) Motor Control Box (MCB)
The control electronics for the motors may be housed in separate control boxes depending on motor type. For slider & F.I.Z. motors, there are separate control boxes. For the pan/tilt head, the control electronics are housed with the motors.

C) Slider Motors
The CineDrive motors vary depending on their intended task. The slider motor is designed to be attached to a slider, and is separate from its MCB.

D) Pan/Tilt Head
The pan/tilt head includes the motors and control modules.

E) F.I.Z. Motors
The focus/iris/zoom motors are also separate from their motor control boxes and are designed to be mounted close to camera lenses.

F) Cables
All components of the CineDrive system are connected via cables. The CineDrive Brain has three connectors for attaching control cables to motor control boxes. The control cables come in a variety of lengths. Each MCB has a single plug for connecting drive cables to motors.

G) Battery
Power the system with a 12V battery such as the Kessler Ion Battery or the included wall plug.

H) Motor Mount
Allows mounting of the slider motor to a Kessler slider.

User Interface Software Download

*Keep kOS user interface closed until all connections have been made and Brain is powered up.

iOS

Visit the Apple App Store and download the latest version of the kOS user interface https://itunes.apple.com/us/app/kessler-kos/id603755857

Mac OS & Windows

Download desired kOS user interface to your computer or device from http://support.kesslercrane.com

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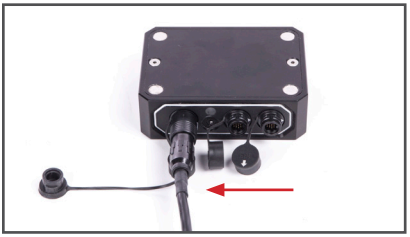
Slider Motor Connections

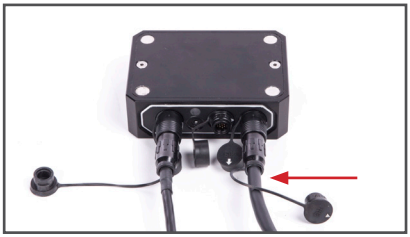
Step 1

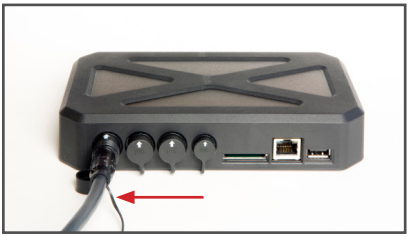
Connect the slider motor cable connector to the (Axis 1) MCB.



Step 2

Connect the provided 2’ control cable between the Brain and the slider motor MCB.





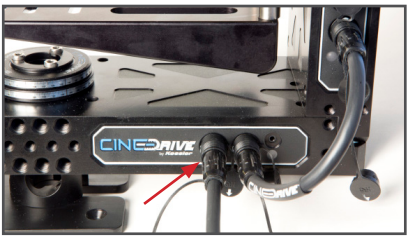
Pan/Tilt Head and Turntable Connections

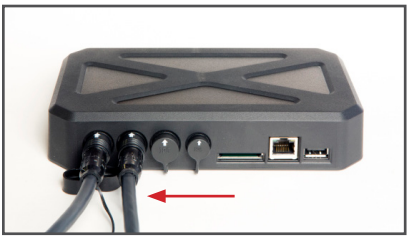
Step 1

For a pan/tilt head, connect the pan and tilt bricks together using an 8” Control cable. Either port on each brick can be used.

Step 2

Connect either the pan or tilt brick to either the brain or unused Axis 1 MCB control port using the supplied 5” Control cable. Turntable connections are the same - any control port can be used as long as there is a connection back to the Brain.

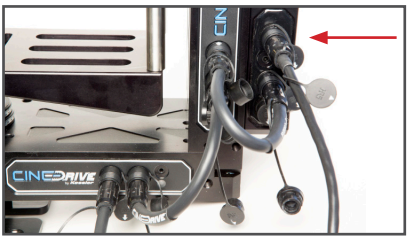




Focus / Iris / Zoom Motor Connections

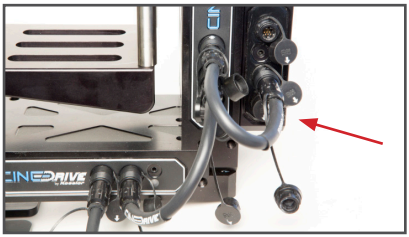
Step 1

Connect F.I.Z. motor(s) cables to the corresponding F.I.Z. (Lens 6 and/or Lens 7) MCB.



Step 2

Connect any F.I.Z. MCB's to the tilt brick control ports using 8" Control cable(s).

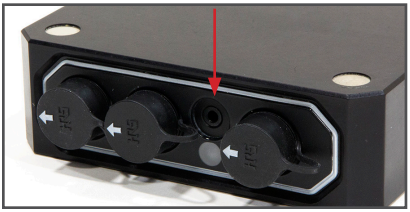


Camera Connections

All MCB's and pan/tilt bricks have ports designed to connect a trigger cable to a camera.

Step 1

Insert the Camera Control Cable into the control port on any pan/tilt brick or MCB.



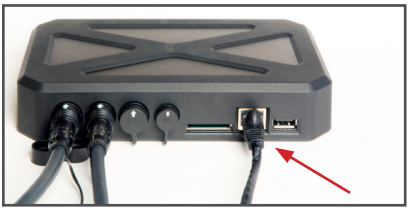
You are now able to control your camera's shutter via kOS software.

Note - Not all camera shutters can be controlled

Brain Connections

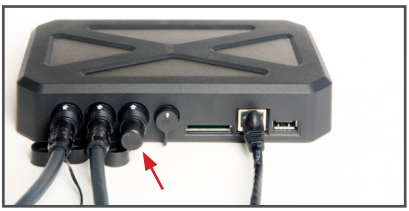
Step 1

For wired applications, connect the Ethernet cable between the Brain and computer or device (skip for wireless device/applications).



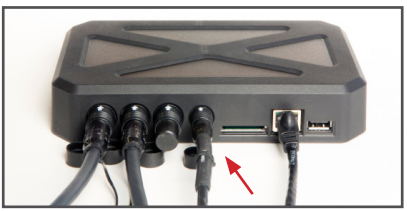
Step 2

Install provided terminators on any unused control ports on the Brain, bricks or MCB's.



Step 3

Plug the AC power adapter into an AC receptacle, then connect the power output cable from the power supply to the Brain.



Step 4

Allow the Brain to initialize (multi-colored LEDs will be visible at the Brain) and transition into a ready state signified by a pulsing blue LED color. If connected via Ethernet, the Brain will briefly show green LEDs before pulsing blue.

Step 5

For wireless devices - set your device's Wi-Fi connection to be "CineDrive" (skip this step for wired applications).

Note- Both Windows and Mac require you to wait 60 seconds after the network connection is made before kOS can connect to the Brain. You can monitor this on Windows by hovering the mouse over the network icon in the task tray. While waiting for this 60 seconds to expire, you'll see the 'Identifying' message. Once the 60 seconds has expired, you'll see the 'unidentified network' message.

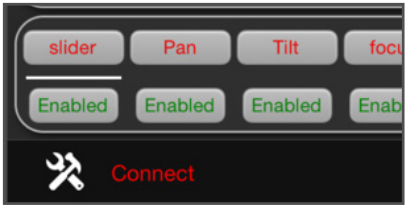
Step 6

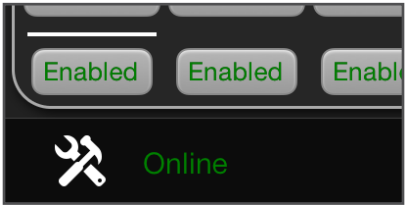
Launch the kOS application.

Step 7

Verify the application is connected by confirming the word "Online'" is present in the lower left of the user interface. If it says "Connect" on red font, double-tap/click on the word Connect and the connection between the Brain and user interface should occur.

Visit **support.kesslercrane.com** for kOS tutorials to get started with the software.





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