

This information complements the  
BABYZOOMER Assembly Video Playlist  
(4 videos) available at:

[BABYZOOMER Assembly Videos](#)



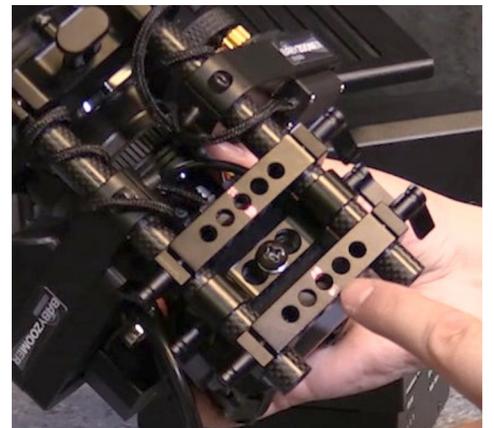
## CONNECTING THE BABYZOOMER KIT TO THE PTX

**1** Be sure that the power to the PTX is unplugged before placing the BABYZOOMER assembly on the PTX head.



**2** The completed BABYZOOMER assembly has two 1/4" threaded holes on the bottom of the brackets with the RED stripes.

*bottom view*



Align those with the slots on the PTX camera platform using the next to last slot ...



*next to last slot( 4th from left)*

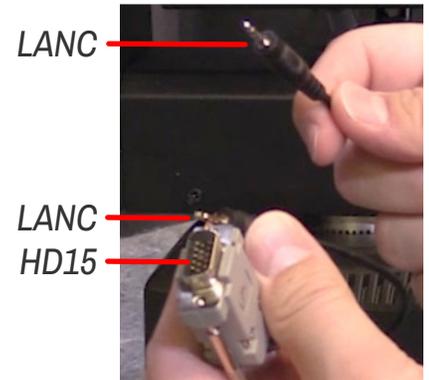
and use the TWO included thumbscrews to attach the BABYZOOMER to the camera platform of the PTX.



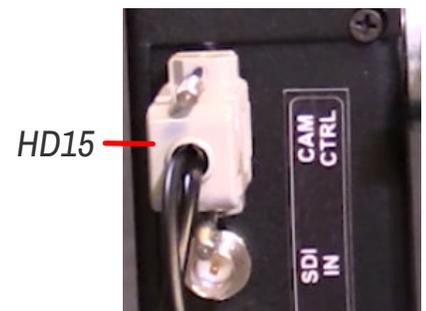
Make sure that the overall assembly is balanced by tilting it forward and backward, and adjust the screws as necessary. After the cabling has been attached, you may further refine the balance of the assembly.



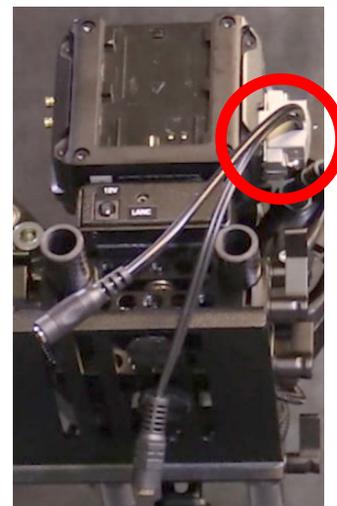
**3** Locate the PTX LANC cable with an HD15 connection on one end... and two 2.5mm LANC remote plugs on the other end.



Connect the HD15 end of this cable to the HD15 Camera Control port on the PTX unit.

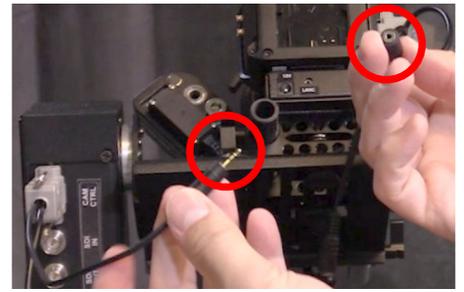


**4** The Blackmagic HD15 cable with LANC and 12V power inputs is designed to attach to the HD15 port on the Blackmagic camera.



Plug the HD 15 connector into the side of the MicroStudio 4K camera.

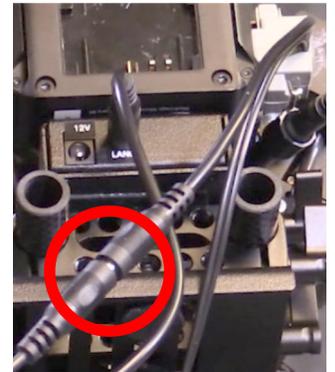
**5** Take the two LANC plugs from the PTX LANC cable



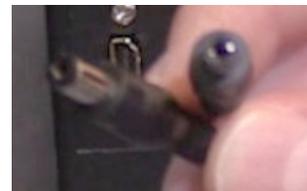
and plug one into the back of the BABYZOOMER Motor Control Box ...



and the other into the LANC socket on the Blackmagic camera cable.

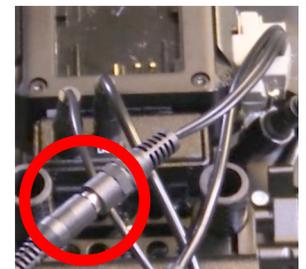


**6** The BABYZOOMER DC power splitter cable has two DC plugs and one socket. Plug one side of it into the DC IN port on the back of the Motor Control Box ...



12VDC

and the other side into the DC input cable on the MicroStudio 4K camera.



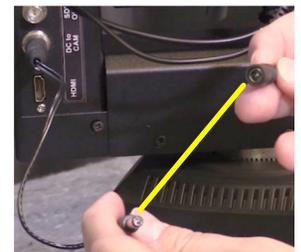
**7** Locate the DC power cable included with the PTX. This cable has a locking DC plug on one end and a non-locking plug on the other.



The locking DC plug connects to the **DC to CAM** port on the PTX. Insert it fully and tighten the locking ring to secure the connection.



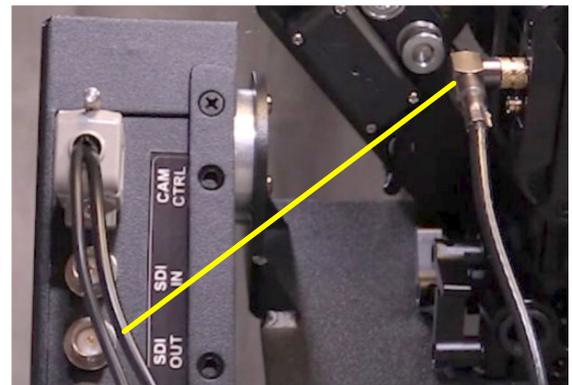
Insert the non-locking plug into the socket on the BABYZOOMER DC splitter cable.



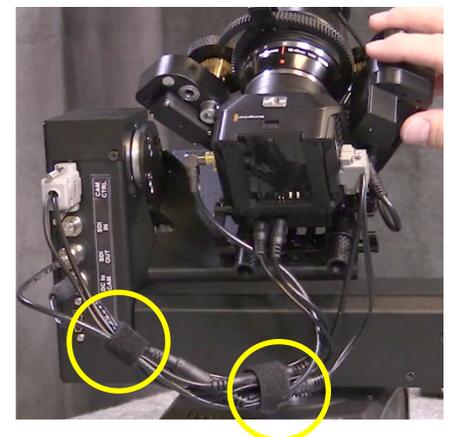
**8** Use one of the supplied MiniDIN1.0/2.3 to BNC cables to connect the **SDI Out** of the MicroStudio 4K camera to the **SDI Out** connector on the PTX arm.



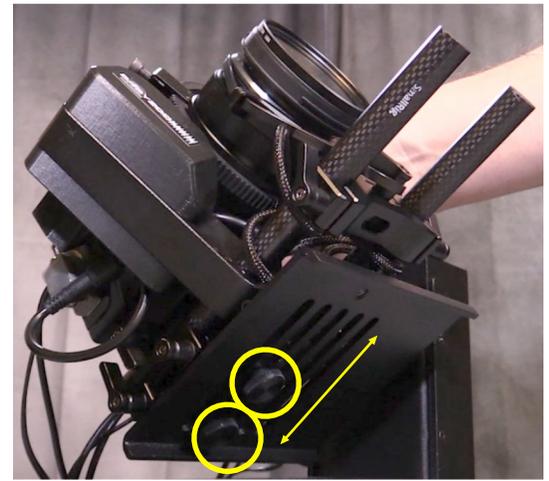
This will feed video out of the camera to the **SDI Out** connector on the base of the PTX for easy cable management.



**9** Take the supplied Velcro cable ties and clean up the wiring bundle to reduce the probability of snags. Make sure there is sufficient slack for the assembly to tilt back and forth on the PTX head.



**10** Loosen the thumbscrews holding the BABYZOOMER assembly to the PTX and slide it backward or forward to make sure it is well balanced, then tighten the thumbscrews to lock it into place.



**11** Connect the power cord to the base of the PTX, and the unit will start initializing the pan and tilt axes. If the kit is too far forward or backward to allow proper tilt initialization, the initialization will simply fail, like you see here.



*Failed initialization results in the camera falling forward or backward during power-up.*

If so, disconnect the PTX power cord ... then loosen the thumb screws and slide the kit slightly toward the rear or front as necessary. Re-tighten the thumbscrews ... then connect the power cord again. Once the unit successfully initializes you should be optimally balanced for normal operation.



**You should be ready to connect your controller (VISCA or DMX) and begin operating the PTX and BABYZOOMER kit!**



*cool technology for*

- **PRODUCTION**
- **PLAYBACK**
- **STREAMING**