

DollyCrane™

INSTRUCTION MANUAL

FloatCam



DollyCrane **Setup&Counterbalance**



FIG 1. A flat plate fluid head and heavy-duty (35kg min) tripod with 100mm bowl must be used with this system.



FIG 2. Insert the fulcrum head and level it accordingly.



FIG 3. Secure the fulcrum head using the long black handle with female threaded hole.



FIG 4. Remove the black 'kip' handles on each side fulcrum.



FIG 5. Insert the rail onto the top of the fulcrum with the red 'kip' handle on the same side as the DollyCrane script.



FIG 6. The 'smile' quadrant of the rail system should be on the outside of the fulcrum head.

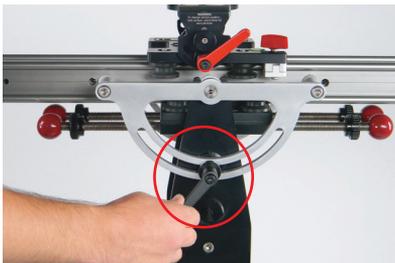


FIG 7. Secure the rail system with the two black 'kip' handles.



FIG 8. Mount your flat plate fluid head onto the 3/8" threaded stud on the rail platform.



FIG 9. Tighten the flat plate fluid head to the rail platform until it is secure.



FIG 10. Mount your camera package to the fluid head (camera package and fluid head not to exceed 12kg).



FIG 11. Remove the black nuts and the red protective balls from the counterbalance sled.

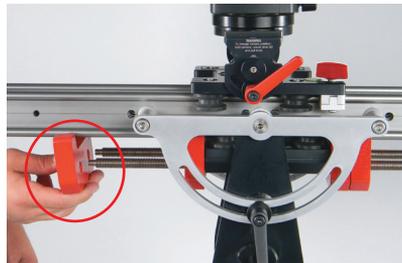


FIG 12. Add counterweight to the sled to equal the weight of the camera and fluid head package.

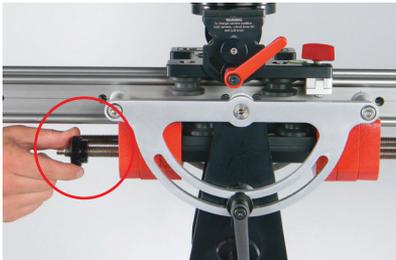


FIG 13. Reattach the black nuts for weight security.

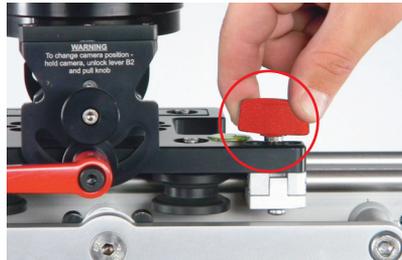


FIG 14. Loosen the red slider brake.



FIG 15. Slide the camera away from the center.



FIG 16. Tighten the red slider brake and place red protective balls above the counterweight.

DollyCrane Setup & Counterbalance

CONT'D



FIG 17. Loosen the black 'kip' handles on each side of the fulcrum near the rail quadrant.



FIG 18. Hold both sides of the rail and check the balance.



FIG 19. You may need to add or subtract counterbalance weight for precision. Repeat steps 11-18 if rebalancing is needed.



FIG 20. For camera and fluid head packages weighing more than 10kg, add the large counterweight to the bottom of the weight sled.



FIG 21. Use the allen key and screws provided to securely mount the black counterweight.



FIG 22. Once the system has been accurately balanced, you may begin shooting.



FIG 23. For slow sliding movements you may insert the crank handle provided onto the crank spline.



FIG 24. **Remember:** Remove crank handle when not in use while operating as it will cause shaking of the rail.

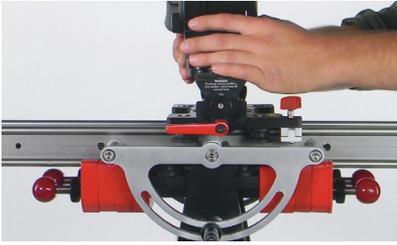


FIG 25. To angle the rail for diagonal slides, move the camera to the middle of the rail.

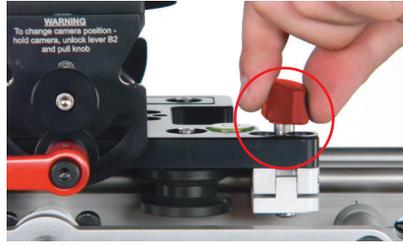


FIG 26. Apply the red slider brake handle.



FIG 27. Loosen the black 'kip' handles on each side of the fulcrum head.



FIG 28. Position the rail in the desired position.



FIG 29. Tighten the black 'kip' handles on each side of the fulcrum head.



FIG 30. Hold the camera with one hand and loosen the red 'kip' handle under the black circular adjustment knob.



FIG 31. While holding the camera, pull out the black circular adjustment knob and position the camera in a level or desired position.



FIG 32. You will have to pull the black circular adjustment knob with great force to achieve this.

DollyCrane Setup & Counterbalance

CONT'D



FIG 33. Once you have achieved the desired position, tighten the red 'kip' handle.



FIG 34. Release the red slider break.



FIG 35. You are now ready to move the camera up and down the rail with ease.

DollyCrane SliderLowProfileSetup



FIG 36. Insert the threaded platforms into the feet.



FIG 37. Attach the feet to each end of the rail using the screws provided.

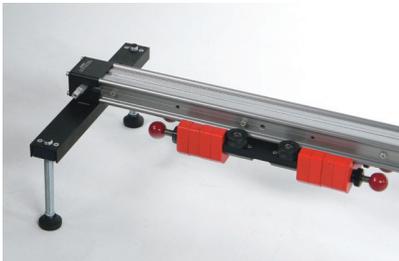


FIG 38. Each end of the rail should have one foot and two threaded platforms. Adjust threaded platforms to desired height.

IMPORTANT:

You must complete the counterbalance procedure in the first section of this manual before completing this setup.



FIG 39. Adjust threaded platforms to the desired height.

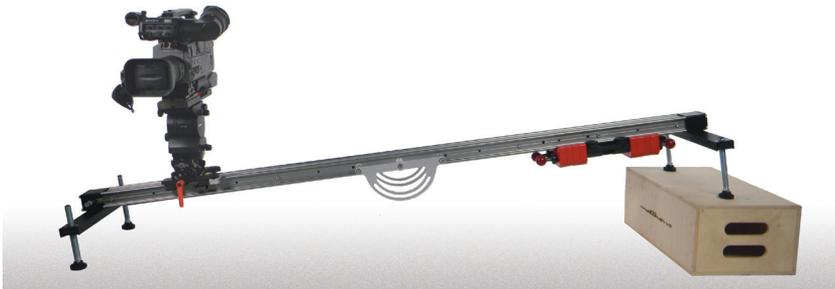


FIG 40. The threaded platforms have swiveling feet, which allows the user to change the angle of the low profile slider.

DollyCrane MiniJibSetup

CAUTION: You must complete the counterbalance procedure in the first section of this manual before completing this setup.



FIG 41. Level the rail and the counterbalanced fluid head and camera package.



FIG 42. With both black 'kip' handles tightened on each side of the fulcrum head, slide the camera package to the end of the rail opposite the crank spline.



FIG 43. Tighten the slider brake once the camera has been moved to the end of the rail.



FIG 44. Install the parallelogram arm located in the large case by completing the following.



FIG 45. Install the end of the parallelogram arm opposite the small lever with the red 'kip' handle onto the focal point adjustment located on the fulcrum head.



FIG 46. Turn the knob on the focal point adjustment to reposition the end of the parallelogram arm so that it is on the top of the adjustment.



FIG 47. Attach the opposite side of the parallelogram arm to the camera platform by inserting the red 'kip' handle bolt into the threaded hole.

Do not thread all the way.



FIG 48. The lever with 'kip' handle should be perpendicular to the rail. This will ensure parallel camera movement to the ground.



FIG 49. You may need to adjust the length of the parallelogram arm to adjust framing.



FIG 50. Use the adjusting hand grip on the parallelogram arm to accomplish this.



FIG 51. Complete tightening process with the red 'kip' handle. Ensure the teeth in the middle of the camera platform are fully disengaged and that the nipples on the arm's lever have fully met the holes on the platform.



FIG 52. Release the red 'kip' handle underneath the black adjustment knob.



FIG 53. Release the black 'kip' handles on each side of the fulcrum head to activate the mini jib function.



FIG 54. As the mini jib moves up and down, the camera should stay parallel with the ground.

DollyCrane MiniJibSetup

CONT'D



FIG 55. If you desire to keep an object within the camera frame, reposition the focal point adjustment to the bottom.



FIG 56. The mini jib will now focus on the framed object as the system elevates and descends. You may need to use the adjusting hand grip depending on your distance between the camera and the point of interest.



FIG 57. Loosening up the fulcrum brake handles will allow 360 degree rotations around the vertical access of the tripod.

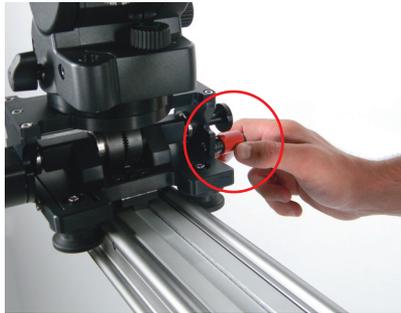


FIG 58. To disassemble the mini jib, tighten the red 'kip' handle underneath the black adjustment knob.



FIG 59. Remove the parallelogram lever by releasing the red 'kip' handle.

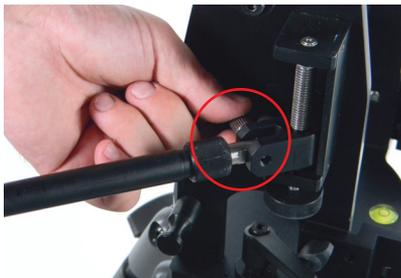


FIG 60. Once the parallelogram arm has been removed from the camera platform side, remove the opposite end on the fulcrum head.

DollyCrane TowerSetup



FIG 65. Complete vertical tower configuration.

CAUTION:

You must complete the counterbalance procedure in the first section of this manual before completing this setup.



FIG 66. Add one of the feet with the threaded platforms to the side opposite the crank spline. Use the holes on the foot labeled 'Vertical Feet' and make sure the long side of the foot is facing outward.

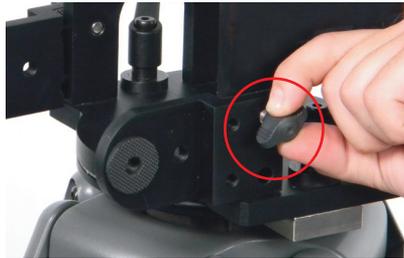


FIG 67. Add the two ears to the base of the fulcrum using the threaded knobs. Make sure the rubber disks on the ears face outward.



FIG 68. Add the rail in the vertical position using the black 'kip' handles from the fulcrum, threading them through the slider quadrant and into the ears previously mounted on the fulcrum.

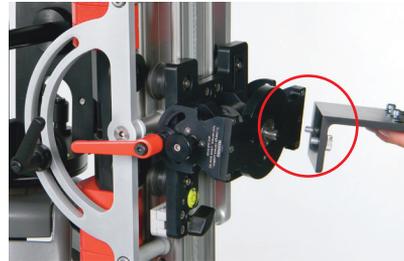


FIG 69. To mount the right angle plate, line the holes on the short side of the plate with the hole pattern on the slider platform.

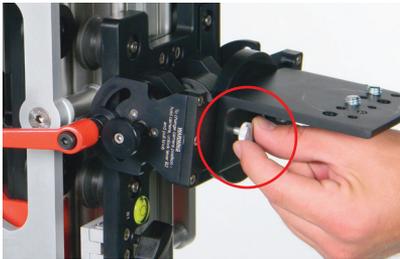


FIG 70. The long side of the plate should face up. Use the screws provided to securely mount the plate.

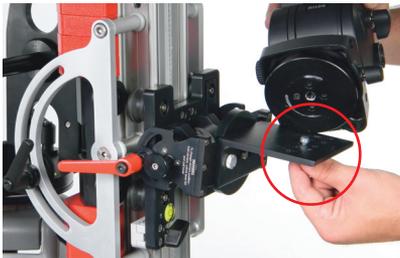


FIG 71. Mount your flat plate fluid head to the top of the right angle plate using the screw provided.

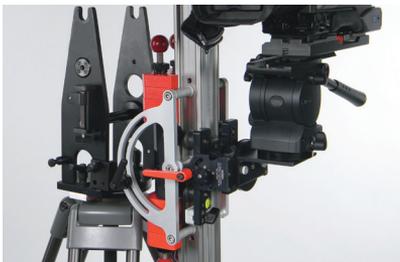


FIG 72. Mount your camera package to the fluid head to complete vertical tower configuration.



FIG 73. Completed vertical tower configuration.

DollyCrane **Additional Info**

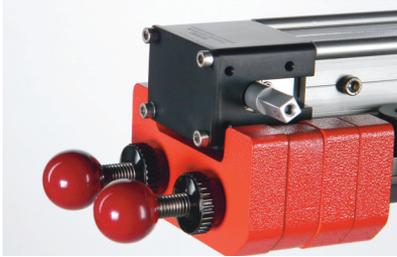


FIG 74. The counterweight rods must be protected with the red balls provided for safety purposes for those in close proximity to the DollyCrane.



FIG 75. Affix the optional stepper motor to the crank spline.



FIG 76. The stepper motor is operated with a microprocessor, allowing the user to operate the slider and tower configurations. Time lapse, manual movement and programmable repeated movements are possible with the use of these accessories.



FIG 77. The wheel tension is set by the manufacturer. With time and frequency, it may be necessary to adjust the tension with the M2.5 allen key provided in the system.

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