

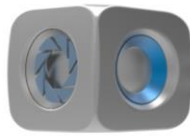
BLOKCAM

BlokCam Model X Installation Manual – Tower Cranes





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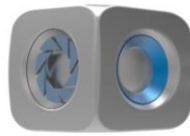


BLOKCAM

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BLOKCAM MODEL X INSTALLATION INSTRUCTIONS

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BLOKCAM MODEL X INSTALLATION INSTRUCTIONS

On the Hook Block

Important: Ensure BlokCam parts do not interfere with crane manufacturers and/or third party components, parts and systems, moving or otherwise. Always ensure that tethers are connected and Quick Links are tightened. Consider that the hook block may change configuration, shape and size. Always adhere to the crane manufacturer's instructions. The hook block parts and components are magnetically mounted; during adverse weather conditions remove all components from the hook block.

WARNING: High powered magnets in use. Neodymium magnets are permanent and strong, use correct protective equipment to avoid trapping hazard.

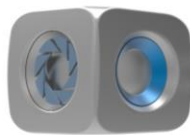
Mount and Secure the Transmitter

1. Magnetically mount the Transmitter to a clean and flat surface near the top of hook block.
2. Connect and firmly tighten 1 x N-type right angle connector onto the left port. This should point to the left.
3. Connect and firmly tighten 1 x Antenna to the N-type right angle connector.
4. Connect and firmly tighten 1 x N-type right angle connector onto the remaining port. If possible this should face over the top of the hook block.
5. a) Connect and firmly tighten 1 x Antenna to the N-type right angle connector.

Certain hook blocks do not allow the position of the second N-type connector and antenna to be positioned over the top of the hook block. In these scenarios please use one of the following approved installation methods (see 5b, 5c)

6. Fit Quick Link to Transmitter.
7. Choke and secure a tether to fixed and secure point on the hook block.
8. Attach the loose end of tether to the Quick Link.
9. Firmly tighten the Quick Link.





On the Hook Block (Continued)

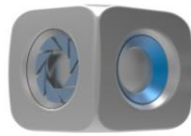
Important: Ensure BlokCam parts do not interfere with crane manufacturers and/or third party components, parts and systems, moving or otherwise. Always ensure that tethers are connected and Quick Links are tightened. Consider that the hook block may change configuration, shape and size. Always adhere to the crane manufacturer's instructions. The hook block parts and components are magnetically mounted; during adverse weather conditions remove all components from the hook block.

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Mount, Connect and Secure the Sensor

1. Default orientation. Point arrows on the top face of the sensor towards the Slew Ring/Crane Operator.
2. Facing the lens and audio sensor down, magnetically mount the Sensor to a clean and flat surface near bottom of hook block.
3. Connect Bayonet fitting to the underside of the Transmitter.
4. Connect audio jack to audio socket on the underside of Transmitter (if applicable)
5. Secure cable to hook block using pre-installed cable magnets.
6. Fit Quick Link to Sensor.
7. Choke and secure a tether to fixed and secure point on the hook block.
8. Attach the loose end of tether to the Quick Link.
9. Firmly tighten the Quick Link.





On the Hook Block (Continued)

Important: Ensure BlokCam parts do not interfere with crane manufacturers and/or third party components, parts and systems, moving or otherwise. Always ensure that tethers are connected and Quick Links are tightened. Consider that the hook block may change configuration, shape and size. Always adhere to the crane manufacturer's instructions. The hook block parts and components are magnetically mounted; during adverse weather conditions remove all components from the hook block.

WARNING: High powered magnets in use. Neodymium magnets are permanent and strong, use correct protective equipment to avoid trapping hazard

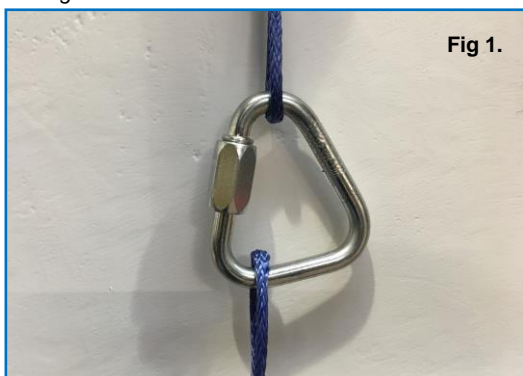
Mount, Connect and Secure the Battery

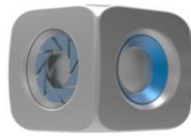
1. Magnetically mount the Battery to a clean and flat surface on the hook block.
2. Fit Quick Link to Battery.
3. Choke and secure a tether to fixed and secure point on the hook block.
4. Attach the loose end of tether to the Quick Link.
5. Firmly tighten the Quick Link.
6. Remove Power Lead from Case
7. Connect 2 Pin Plug on Power Lead to the Transmitter.
8. Connect remaining 4 Pin Plug on Power Lead to the Battery.
9. Secure cable to hook block using pre-installed cable magnets.

Note: At the end of the shift, **DO NOT** remove the battery. **DO NOT** leave the power cable disconnected. Allow the battery to discharge fully. Remove and immediately replace the discharged battery at the beginning of the next shift (see Battery Charging Instruction, Page 6)

Note: The Battery will not charge correctly if the Charger is powered up prior to connecting the Battery, Ensure the Charger is turned off prior to connecting the battery.

Hint: If the Tether's are not long enough, please link additional Tethers together using additional Quick Links. See Fig 1





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On the Jib

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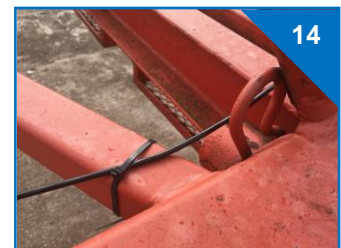
WARNING: Preferably, this work should be completed at ground level, prior to the crane erection and installation of the jib. For working at height, please refer to regional and site specific regulations and guidelines and ensure installation team are competent and adequately trained.

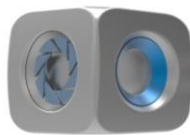
Mount, Connect and Secure the Jib Repeater

The Repeater should be placed at the end/nose of the jib and at the lowest point possible. See Fig 2



1. Attach the U-Bolt Ball Joint to a fixed and secure point.
2. Connect the Double Socket Arm including tether to the U-Bolt Ball Joint.
3. Connect the Ball Joint attached to the rear of the Repeater to the Double Socket Arm with the LED's facing the operators cab.
4. Fit Quick Link to Repeater.
5. Connect Double Socket Arm tether to Repeater.
6. Choke and secure a second tether to fixed and secure point on the Jib.
7. Attach the loose end of tether to the Quick Link.
8. Firmly tighten the Quick Link.
9. Ensure Plug Blank is fitted and "clicked" into position.
10. Connect and firmly tighten 1 x Antenna on the lowest port. This should point away from the cab and be parallel to the jib.
11. Connect and firmly tighten 1 x N-type right angle connectors onto the remaining port. This should be perpendicular to the jib.
12. Connect and firmly tighten 1 x Antenna to the N-type right angle connector.
13. Connect Bayonet fitting from "Jib to Cab" cable to the Repeater.
14. Install and secure the cable along the Jib from the boom tip and into the cab using zip ties.





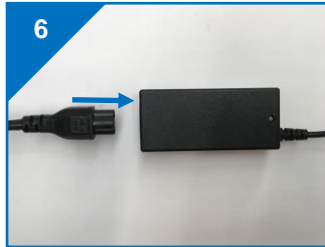
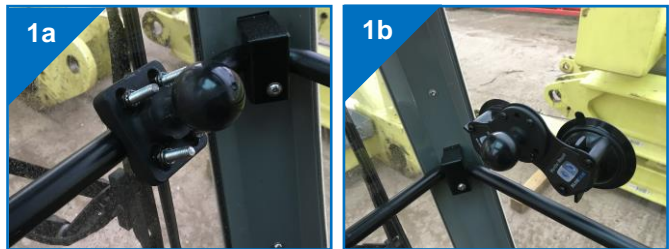
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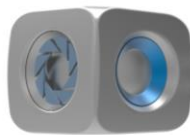
In the Cab

Important: Ensure BlokCam parts do not interfere with crane manufacturers and/or third party components, parts and systems, moving or otherwise. Always ensure that tethers are connected and Quick Links are tightened.

Mount, Connect and Secure the Cab Components

1. a) Attach the U-Bolt Ball Joint to a fixed and secure point.
Or
b) Mount the Suction Cup to the Window. Ensure window is clean and free from dust. Place double suction cup firmly against the window. Turn 2 x twist locks as per the instruction on the suction cup.
2. Connect the Double Socket Arm including tether to the U-Bolt Ball Joint.
3. Choke and secure the Double Socket Arm tether to a fixed and secure point through a firmly tightened Quick Link.
4. Connect the Ball Joint on the rear of the Monitor/Vehicle Dock to the Double Socket Arm. Move the ball and socket assembly to obtain desired position. Firmly tighten until Monitor is secure.
5. Connect PSU (Power Supply Unit) barrel connector to the trailing lead from underside of Monitor/Vehicle Dock.
6. Connect PSU to Power Lead.
7. Plug Power Lead into wall outlet and switch power on.
8. Ensure light on power adapter illuminates.
9. Position the Network Switch inside the Cab and connect the 4m Blue Network Cable to port 8 (Monitor) on the Network Switch.
10. Connect remaining/loose end to the LAN port on underside of Monitor/Vehicle Dock.
11. Connect Jib to Cab cable to port 1 (Repeater) on the Network Switch.
12. Connect PSU barrel connector to the Network Switch.
13. Connect PSU to Power Lead.
14. Plug Power Lead into wall outlet and switch power on.
15. Route, secure and tidy all loose cables with zip ties.





Battery Charging Instructions

The BlokCam camera system runs on a non-hazardous battery, providing approximately 12 hours of use under normal operating conditions. Certain operating conditions will decrease the standard runtime of the battery, including extreme hot or cold temperatures. The battery takes approximately 5 hours to fully charge. The charger and any spare batteries should be kept in a dry environment such as a job trailer, site office or similar environment. BlokCam recommends swapping and charging the battery at the beginning of every shift.

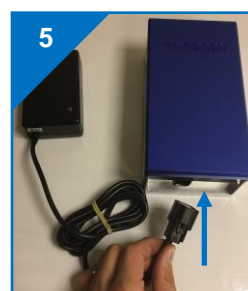
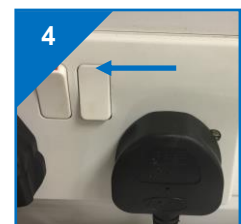
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WARNING: High powered magnets in use. Neodymium magnets are permanent and strong, use correct protective equipment to avoid trapping hazard.

- 1. Disconnect the power cable from the Battery.**
Depress the lever on the Connector.
Pull Connector away from Battery Socket.
- 2. Disconnect the Quick Link from the Battery**
Fully unscrew the fastening and remove Quick Link from battery
- 3. Remove the Magnetically Mounted Battery**
With a firm grip, remove the battery by rolling the housing off the face of the hook Block
- 4. Prior to connecting the Charger to the Battery**
Please ensure the charger is disconnected from the mains supply or switched off
- 5. Connecting the Charger to the Battery**
Push the connector on the charger over the battery socket until the connector "Clicks"
- 6. Power up the Charger**
Connect the charger to the mains supply and/or switch the mains supply on
- 7. Checking the Charger**
Use the LED Indicator and instructions on the underside of charger to check charge condition/status.

Note: At the end of the shift, **DO NOT** remove the battery. **DO NOT** leave the power cable disconnected. Allow the battery to discharge fully. Remove and immediately replace the discharged battery at the beginning of the next shift

Note: The Battery will not charge correctly if the Charger is powered up prior to connecting the Battery, Ensure the Charger is turned off prior to connecting the battery.





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