



DYNAPAC ROTATING CO.

Manufacturer of Rotators · Build to Print Products




LX-50 / LX-150 / LX-300

LXR-50 / LXR-150 / LXR-300

Installation & Operating Instructions

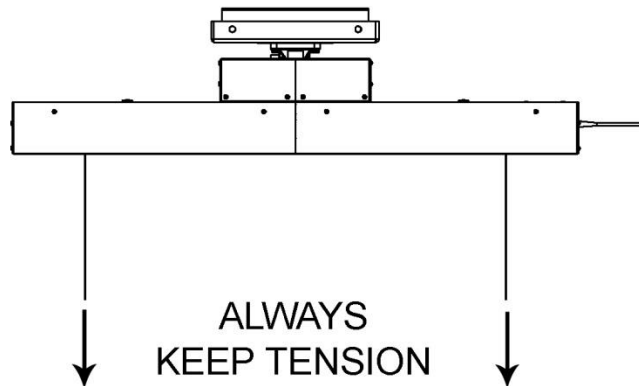
DANGER Serious Injury or Death can occur if system is not properly installed or Maximum Weight capacity is exceeded. Follow all directions below.

WARNING Install Winch System ONLY on structurally sound beams in the roof system. Consult a certified structural engineer prior to attaching system.

! WARNING	
	Disconnect power before servicing or installing. Do not touch any electrical components while unit is connected to power source.
	Do not exceed load ratings of unit. Hanging loads must be centered under unit. Do not operate if unit is damaged or malfunctioning.
	Keep hands clear while operating. Read installation and maintenance instructions prior to operation.

Installation:

- **WARNING: Always keep tension on the cables exiting the winch system.**
 - Option A: Un-reel the cable from the winch while it is on the ground. Hold the cable ends by hand and ALWAYS keep tension on them by pulling on them while it is unwinding.
 - Option B: Place weights on each cable after it is installed in the ceiling to keep tension on the cables as they unwind.

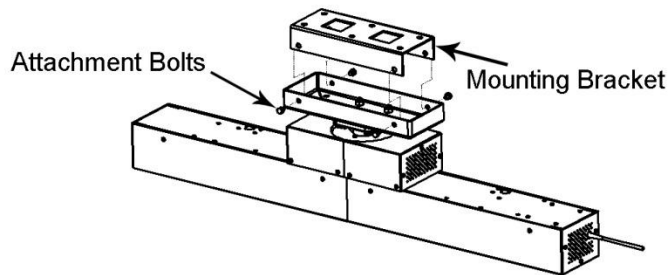




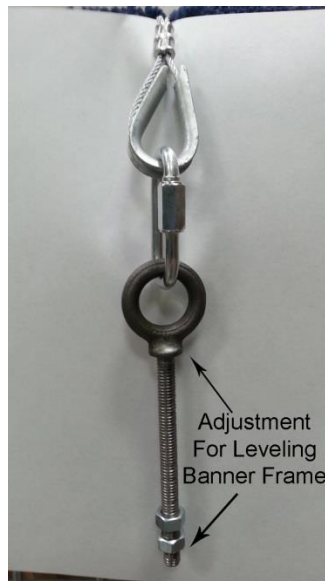
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- Attach Mounting Bracket (shown in picture) to structurally sound beam system
 - Note: There are many methods of mounting that can be used. Be sure to only use a method that is structurally sound and permanently fixed. Use Loctite or lock-washers on all fasteners as vibration will cause the connections to come loose over time.



- Use Attachment bolts to bolt Winch Unit into Mounting Bracket
- Plug in power to 110 VAC, 60 Hz power
- Attach Banner Frame to cables that exit the winch
- Level the banner frame by twisting the eye-bolt up/down in the banner frame (see photo below)
- Raise to Desired Height





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Operation:

DANGER Do NOT exceed Maximum Weight Capacity of unit – Serious injury or death could occur!

Model	Maximum Weight Limit
LX-50	50 lbs [22 Kg]
LXR-50	50 lbs [22 Kg]
LX-150	150 lbs [68 Kg]
LXR-150	150 lbs [68 Kg]
LX-300	300 lbs [136 Kg]
LXR-300	300 lbs [136 Kg]

- Use Hand-Held Wireless Remote to operate winch as indicated:
 - For all LX models: (Equipped with up/down function only)
 - Up button = Winch will reel cables up when pressed
 - DOWN button = Winch will reel cables down when pressed
 - For all LXR models: (Equipped with up/down AND Rotating functions)
 - UP button = Winch will reel cables up when pressed
 - Down button = Winch will reel cables down when pressed
 - On/Off button = Rotator will rotate or stop
 - Left/Right Arrow Button = Change Rotator Direction
- Note: There is a factory pre-set maximum travel distance on each winch system. Winch will automatically stop when maximum height or minimum height is reached.









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Maintenance:

 WARNING	
	Disconnect power before servicing or installing. Do not touch any electrical components while unit is connected to power source.
	Do not exceed load ratings of unit. Hanging loads must be centered under unit. Do not operate if unit is damaged or malfunctioning.
	Keep hands clear while operating. Read installation and maintenance instructions prior to operation.

1 Time Per Year:

- Reel out the Cables until they touch the floor (maximum normal –use travel distance): Inspect each cable for fraying. If Cable is frayed in any way, replace immediately.
- Open the covers of the unit and visually inspect the cable drums and spring system
 - Cables are laying in drum tracks properly?
 - Check spring rollers to be sure they are placing proper tension on cable drum
 - Check all fasteners and bolted connections – be sure they are all tight
- With Covers Open – Inspect all electrical connections
 - Be sure no wires are loose and interfering with the mechanical operation of the drums
 - Check all connections to power supply, wireless receiver, and relays
- For LXR units: Open Covers to Rotator Unit
 - Inspect all bolted connections – be sure they are all tight
 - Inspect motor – turn on and run motor, listen for smooth operation (replace if necessary)
 - Inspect all electrical connections – check brushes and collector rings for proper connection
- Check and verify that main mounting bracket is secure to roof truss system. Check all bolted connections.
- Inspect connection to Banner Frame: Be sure bolts are tight and connection is sound
- Run unit all the way up and all the way down – visually check the cable reels to be sure cable is tracking properly.
- Replace the batteries in the wireless remote control sender unit
 - With a small screwdriver (flat blade) – pry apart the front/back faces of the remote
 - Remove the circuit board and pull out the battery
 - Use a Panasonic CR 2032 (3 Volt) battery or equivalent
 - Replace battery, put circuit board back into container (line up notches) and snap covers closed.