

NexDome 2.2m Dome Rotation Kit

Installation and Operation Manual



2.2m NexDome Rotation Track Installation Guide

There are 4 pieces of track provided in your kit. Depending on when you ordered the rotation track, there is a possibility that the required holes are not pre-drilled and you need to drill them yourself.



The new models come with pre-drilled holes but if your dome does not have the holes, make %" holes for the track %" lower than the rib shown in the image below, one track at a time. Fasten the interlocking tracks with the nut on the outside of the dome.



The retention bracket is fastened to the wall posts with two bolts. Unscrew the wheel nut and fasten the top hole with the wheel nut but don't over tighten it. The wheel needs to run freely. Use the provided spacer and fasten the lower hole with the self-driven bolt. There is no need to make a hole in the post as the self-driven bolt will act as a drill bit at the same time. Make sure that the bracket is fully vertical and the wheel needs to run freely.

Please Note: If the walls or dome is not installed in a perfect circle then the retention wheel will not run freely, and some part of the dome will get stuck when turning the dome.



- A- Don't over tighten the bolt so the wheel can spin freely.
- B- Self-driven bolt

Installing the Rotation Motor Unit

Select one of the posts to install the rotation unit. Remove the nut from the wheel bolt. Install the bracket using the provided self-driven bolts (no need to make a hole since the bolts will act as drill as well). Connect the tension coupler to the wheel bolt. Make sure that the rotation unit bracket is installed completely vertical, so the sprocket moves completely horizontal to the track. Check to see if the sprocket is completely engaged with the track on all places of the dome.



Note: If the walls are not assembled in a perfect circle the dome will not move freely on the wheels and the distance between the sprocket and track will cause the sprocket to skip the holes on the track.

Place the magnet switch on the rim of the dome (as shown).



Connect the power to the rotation unit (it takes few seconds to boot up). Connect the Unit to computer using the provided USB cable. Run the Beaver SW and setup your dome.