NexDome 2.2m Dome Rotation Kit
Installation and Operation Manual
The NexDome dome rotation kit provides motorized dome rotation. This also allows for rotation control by various software packages including ASCOM and TheSkyX.

To install the dome rotator, start by attaching the double-sided tape on the inside of the dome lip along the center of the track slot. Press firmly while unrolling the tape. Once the tape is in place, remove the protective strip from the outside (Fig 1).

![Figure 1](image1.png) **Figure 1** Install the double-sided tape as in (A) and remove the protective cover strip (B).

Next, install the gear track by unrolling the track while simultaneously and firmly pressing it into place along the tape (Fig 2).

**TIPS**
- The provided double-sided tape works best with applying pressure over time.
- Clean the track slot and back of the track using household cleaner, such as Windex and make sure both surfaces are dry.
Mounting the motor unit will require drilling 3 holes in the wall brace. If you have a bay, pick a brace near the bay so that the USB control cable can reach the computer. Position the motor unit with the gear in the middle of track and mark the hole positions on the wall post. Drill the 5/16” bit. Mount the motor unit with the bolts provided (Fig 3).
If you do not plan on using software to control the dome rotation, you are done. The dome can be rotated with the toggle switch.

**TIP**
- Use the pressure knob on the motor bracket to adjust the distance between the gear and track if you find the teeth don’t mesh tightly.

To use the motor with dome rotation software, we need to install the magnetic sensor. Attach the sensor as shown in Fig. 4, on the edge of the dome, under the track. Make sure that the gap between the home sensor and attached sensor on dome is not more than 3/8”.

*Figure 4: placement of the magnetic switch and magnet.*
TIP

- It doesn’t make any difference where the magnetic switch is located on the dome, but it is recommended to place the dome magnet on the south side of the dome when it is in parked position for domes installed in northern hemisphere, and placed on north side on domes in southern hemisphere.