

# NexDome 2.2m Shutter Motor Kit

Installation and Operation Manual



1-Replace the nylock nuts with the ¼" coupler on the two locations shown in Fig. 1 on the right side of the dome, facing the slit from inside.

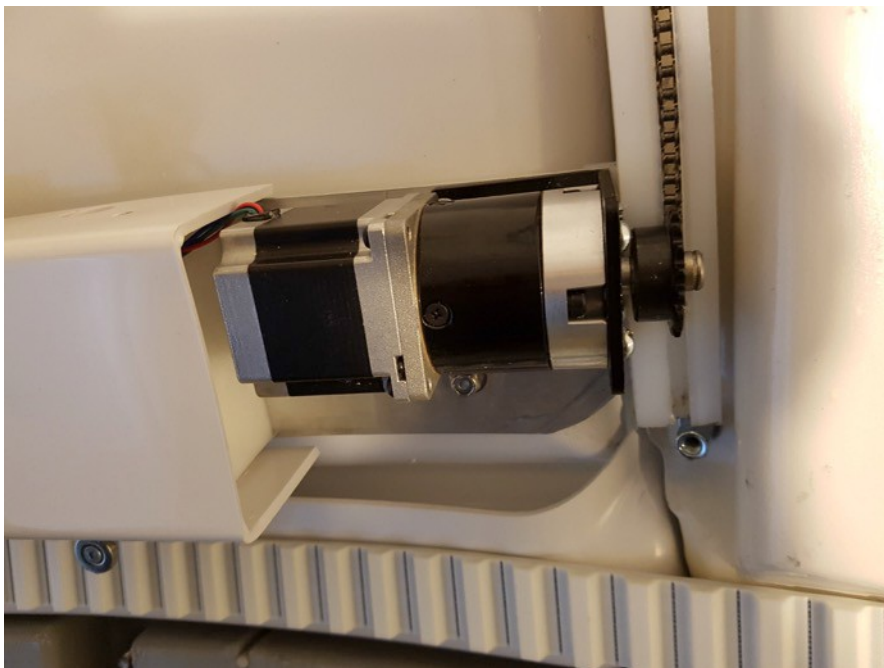


2- Remove the shutter handle and install the shutter motor with the same screws and nuts. 3- Connect the Battery Power.

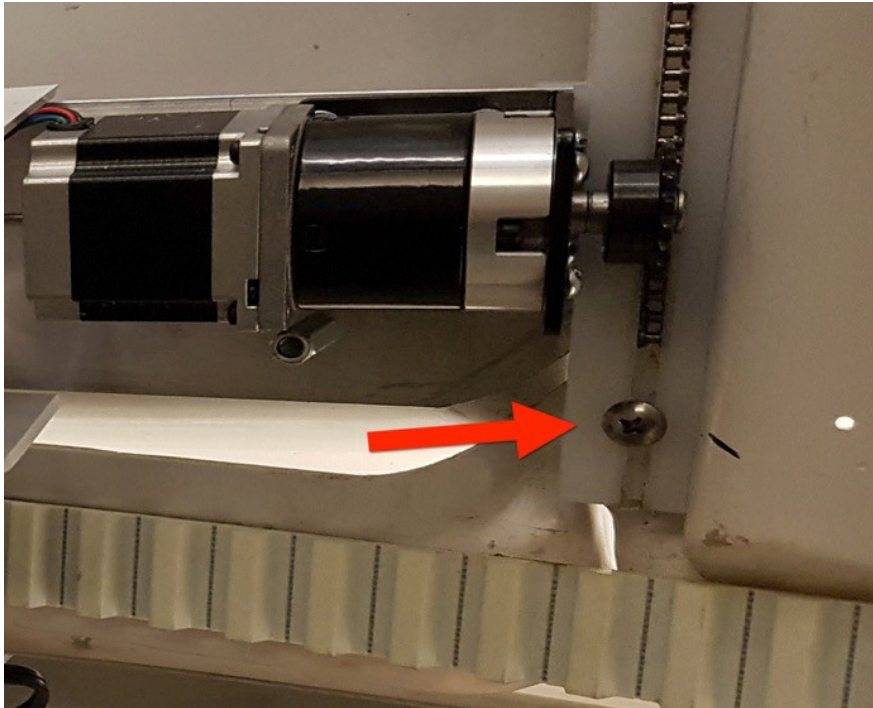
***Important Note:*** Avoid the connection between the two magnetic receptacles on the shutter motor unit. This will destroy the unit electronics. When un-assembling or installing the unit, disconnect the Battery Power to avoid such connection.



Feed-in the track under the motor sprocket by using the direction rocker switch. Feed the track for 4-5 inches.



Fasten the track to the coupler with the provided screw on the track end.

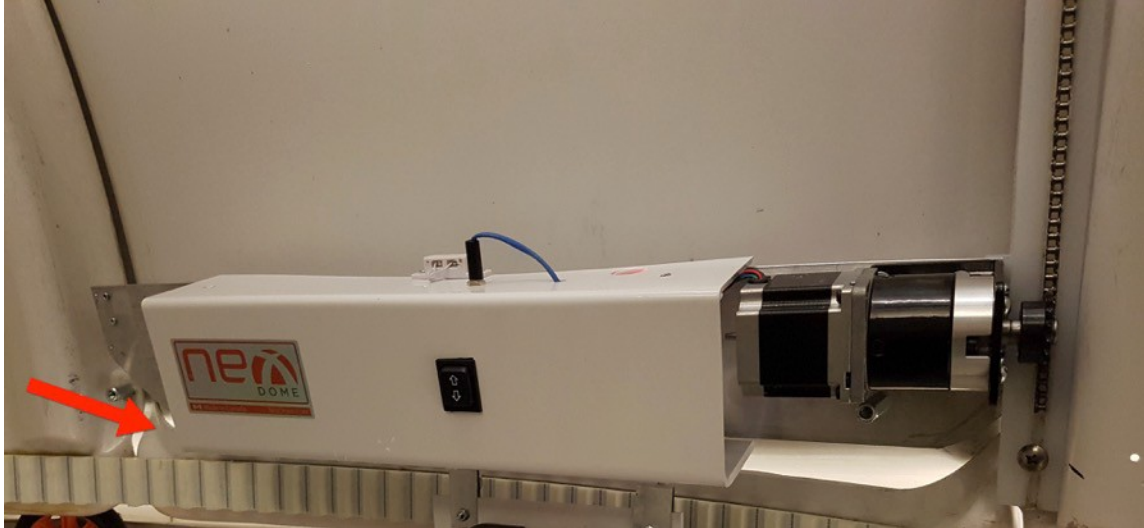


Fasten the track to the coupler with the provided screw on the other end of the track.





Attach the magnetic the **“Close”** magnetic sensor in front of the shutter magnet on the rim of the shutter slit.



Move the shutter to fully open position and attach the magnetic the **“Open”** magnetic limit sensor in front of the shutter magnet on the edge of the dome back panel.



**Park your dome first** and close the shutter. Attach the charging station with the provided hardware to the dome exactly under the shutter motor unit in a way that magnetic receptacles can easily connect.



**Notes:**

- Once the unit is powered, it will connect automatically to the dome controller after 20 seconds and in order to save the battery on the unit, it connects to the dome controller every 20 seconds. You might experience up to 20 seconds delay in shutter commands.
- The unit is programmed to close automatically if the battery has reached less than 50 percent of its capacity. A full battery can power the shutter motor to open and close the shutter approx. 10 times which is more than usual use during an observing night.
- The provided charger is a smart battery maintainer type that always tops off battery and turns off when the battery is full. Don't disconnect the charger when

not in use.

- If for any reason, the battery is discharged in an open position, disconnect the battery power and use your dome controller adapter and connect power the shutter unit in order to move it to close position to connect to charger station.
- Please note: If the battery completely drains out, it won't be recharged. So always make sure that the battery is being charged when the shutter is closed.