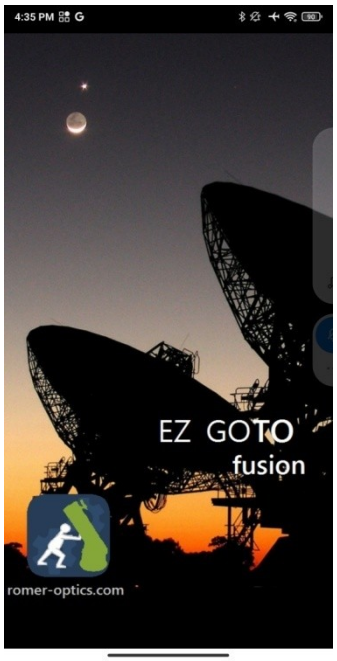
The reference manual for Ez Goto app (Android version)

Please watch the **demo clip** at
https://www.youtube.com/watch?v=TT3EkKwzvfY&t=59s



We advise the Android handset performs faster than Antutu score 280,000 to run the ez goto app.

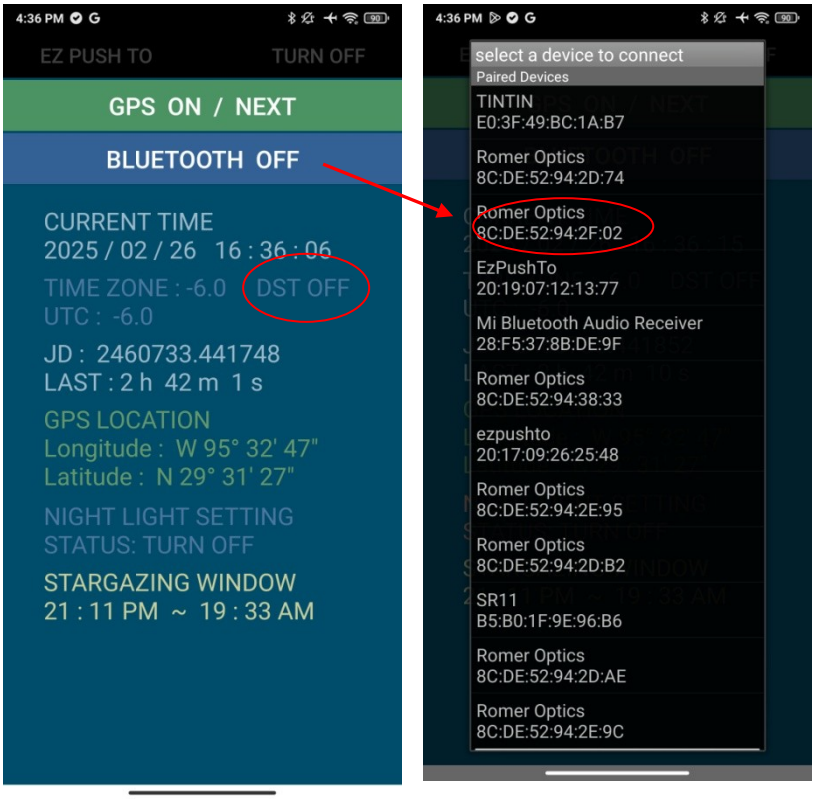
1. Pair the Bluetooth device “romer-optics” first

2. Run Google maps to update the latest location (longitude & latitude)

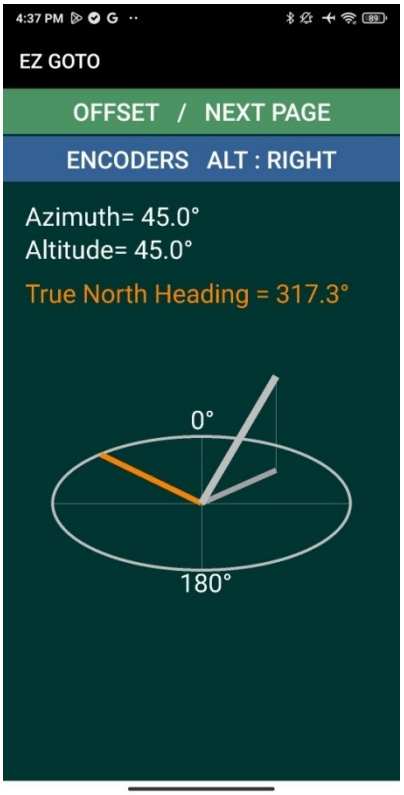
3. Make sure the local time, UTC and Daylight saving time are correctly set in your handset.

Connect Bluetooth with ez goto through device name “Romer Optics”

Click “DST” to be ON/OFF if it is not set correctly

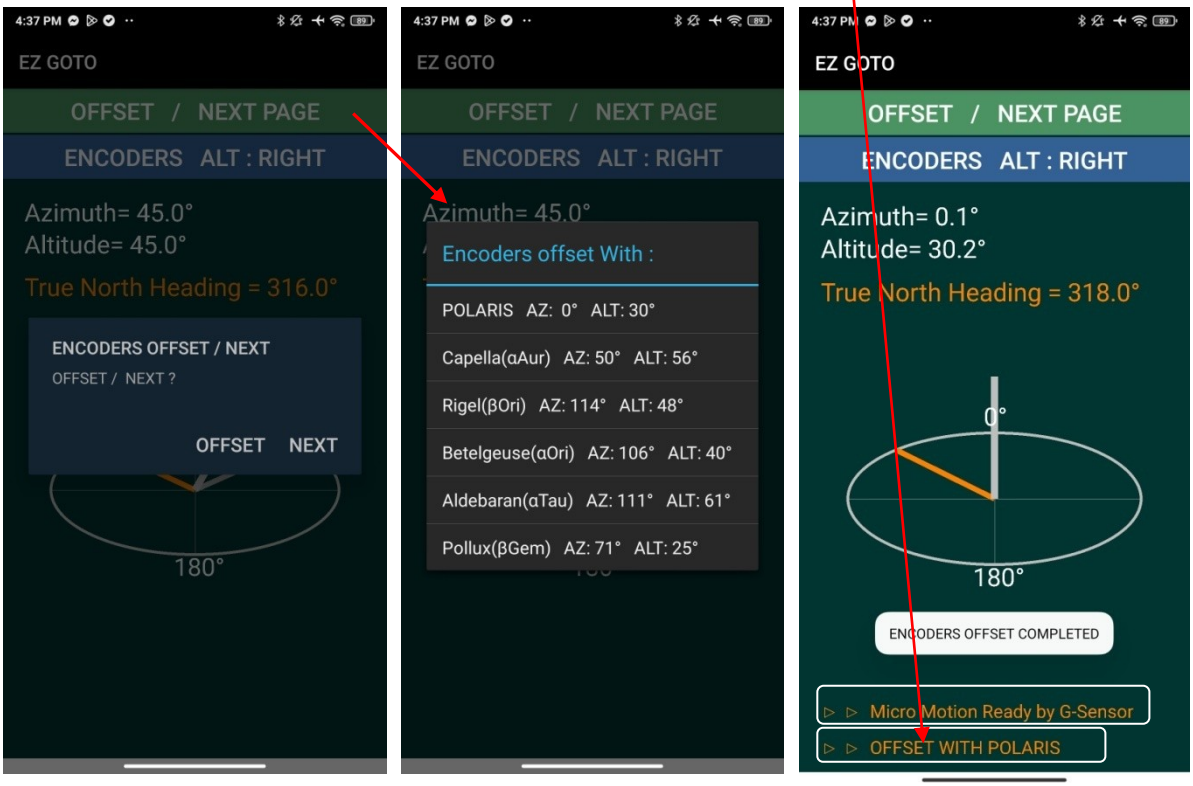


GPS ON / NEXT

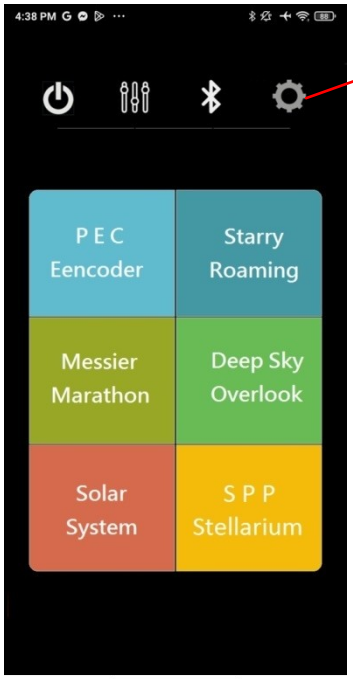


Set Alt encoder to “Right” side if you install it at right hand side

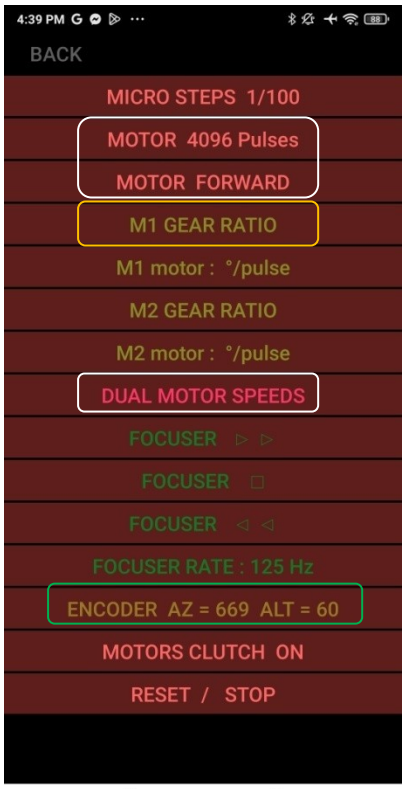
1.Offset encoder by brightest star 2.Select the target when you locate the star in your eyepiece 3.watch **demo clip at 0:46** to fine tune offsetting



Motors Learning



Gear/Motor Settings

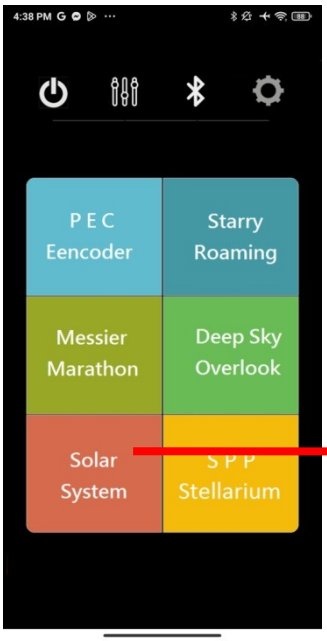


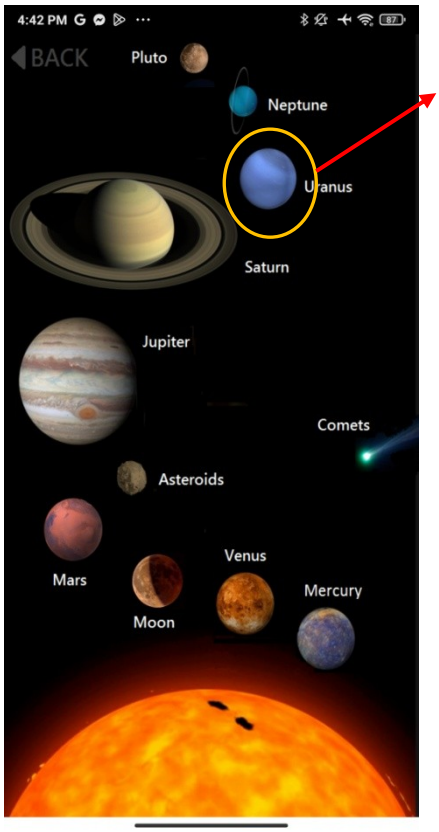
1. Select **Single/Dual** motors speeds
2. Select Motor **4096** Pulses / Forward or Backward
3. Remember initial values (AZ=**669** ALT=**60**)
4. Click **M1 Gear Ratio** to start motor learning

In Dual speeds,

After **goto learning** (forward) first and **tracking learning (backward)**, **the Az/Alt values are supposed to go back to origin (AZ=669±1 ALT=60±1) if your system hardware is installed perfectly.**

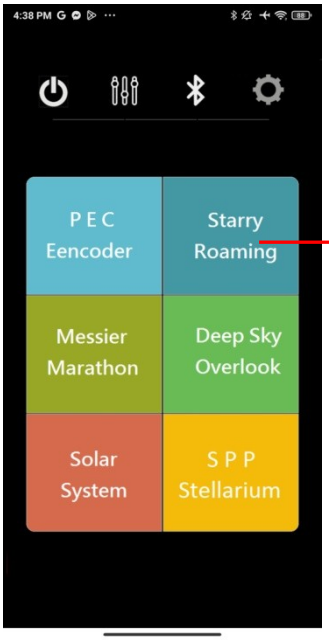
Solar System





Touch the item to push/goto the selected target

Starry Roaming



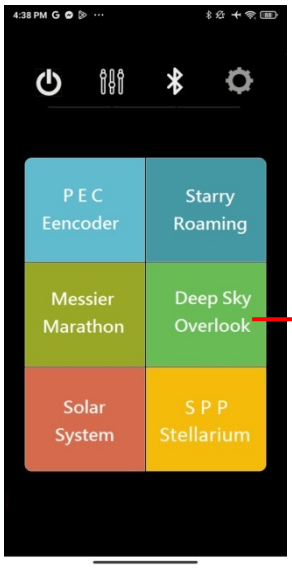
1.Click "**switch to push to Mode**" to **clutch off**

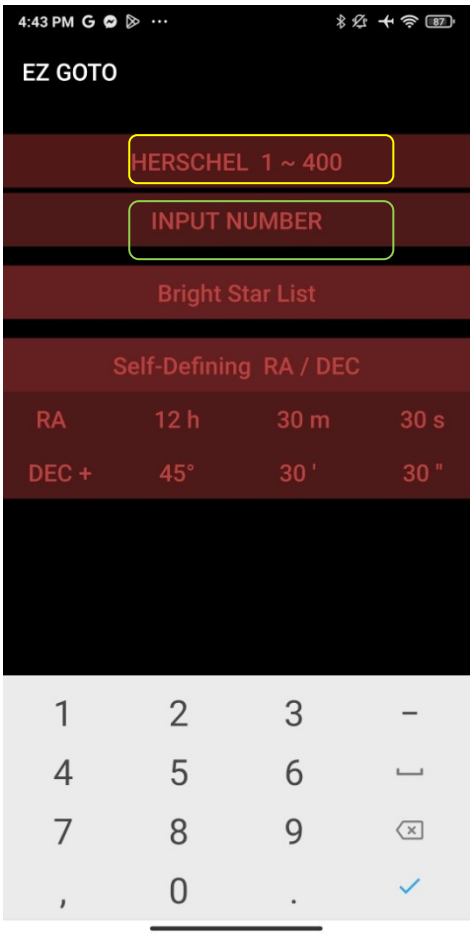
1. Push the Dob by hand to search an interested target

3.Wait for few seconds to let motors **clutch on** again

4.Touch the top **target label** to goto the target

Search Deep Sky Objects



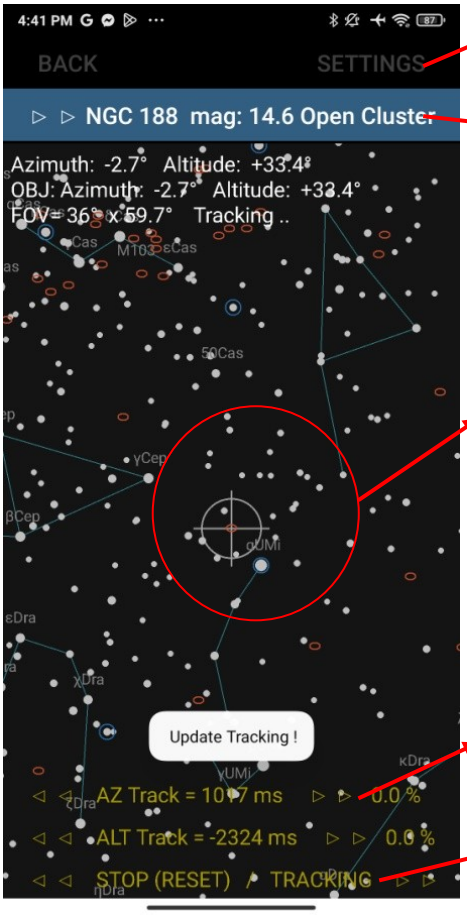


1.Select **catalog** (Messier/Herschell/NGC)

2. Input the **number**

3.**Long press** the number to **push to/Goto**

4.There are brightest star and self defined RA/Dec to **push to/Goto (long press the buttons).** The defined RA/Dec could be **JD2000** or **on date** coordinates



System settings

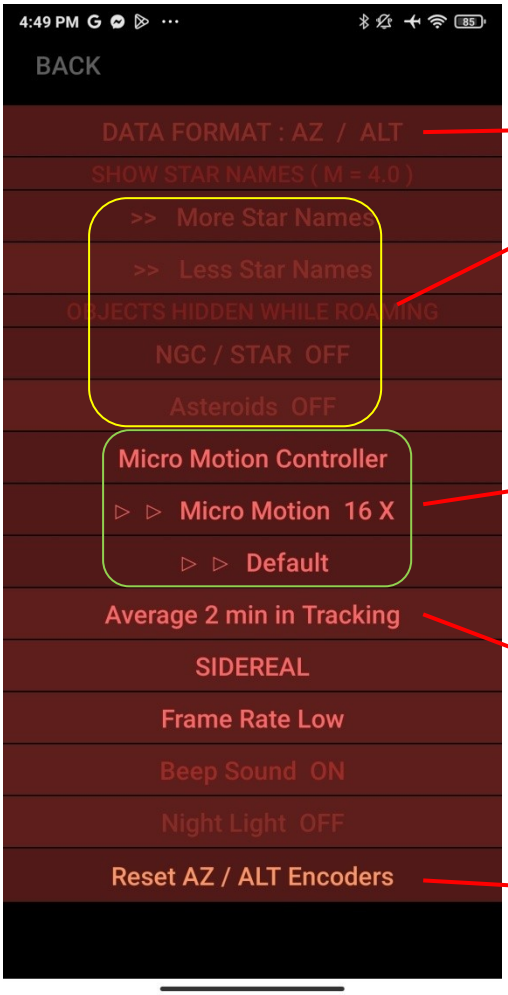
Offset encoders

Two fingers to zoom in/out the sky map (**demo clip at 3:08**)

Adjust Az & Alt tracking rate (**demo clip at 3:00**)

100ms → the motor moves one step per 0.1s

Stop or continue tracking after micro motion



System Settings

Data Format: RA/DEC or Az/Alt

Hide NGC & Asteroids to let sky map clear.
NGC only shows up less than FOV<5 degree
Asteroids are visible when they are selected in solar system.

Controller functions:
Zoom in(out) / Micro Motion / Focuser
Watch the **demo clip at 3:08 - 4:16**

Average 2 min in Tracking
Motors run constant speed and update speed every 2 min.

Forget (Reset) previous encoder alignments
And Restart encoder offset again

Offset Encoders

Offset encoders again to center the target

Two methods:

1. micro motion to center the target

2.Tap the top target label to offset encoders

3.Offset (Offset encoder directly)

Or

1.Clutch off,

2.push the Dob to center the target in the eyepiece by hands.

3.offset encoders (motors are engaged automatically)