

Setup Reach RS2+ to work as a base for drone RTK connection without external network connections

1-Download Reachview 3 app and follow :

<https://docs.emlid.com/reachrs2/before-you-start/first-setup>

1-



Find and connect to the Emlid "Wi-Fi"

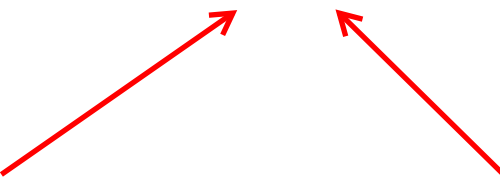


2-



wifi modem

Internet connection



Connect your receiver to a regular wifi network and your phone to same network then input all the settings as per screen shots 1-12 on page 4



3-

Turn on the Receiver's hot spot - which disconnects it from the regular wifi network and turns it into a local wifi transmitter that you can connect your DJI RC to (this will not have an Internet connection). It is purely the radio connection to transfer the Receiver's GPS corrections to the RC controller.

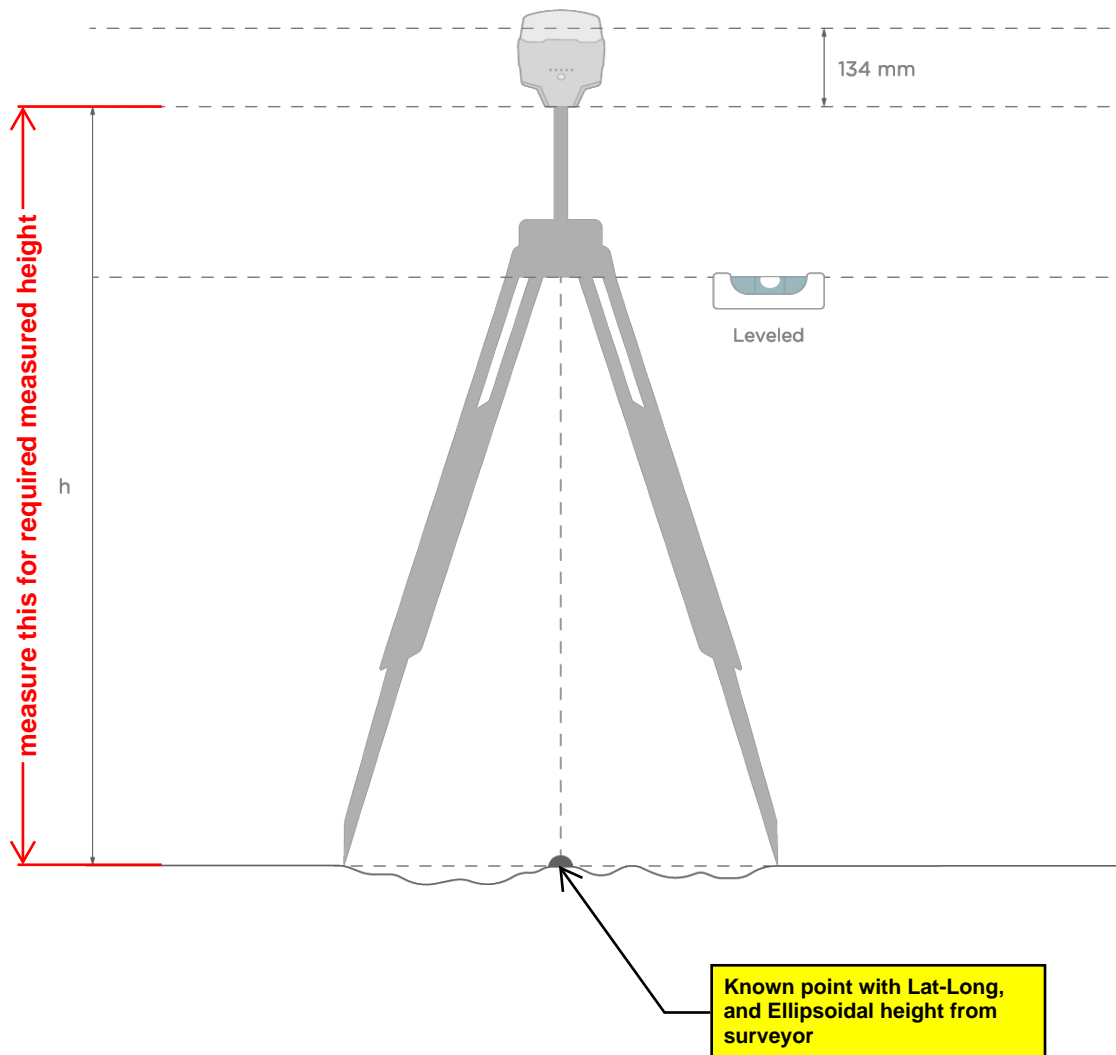
The RC controller can not be more than a few meters from the receiver to receive the corrections



enter settings for the receiver after
hot spot is active and phone is connected
directly see screen shots 13-26 on page 5-6

Place your Reach on the tripod and provide it with a clear sky view over your know point.

4-



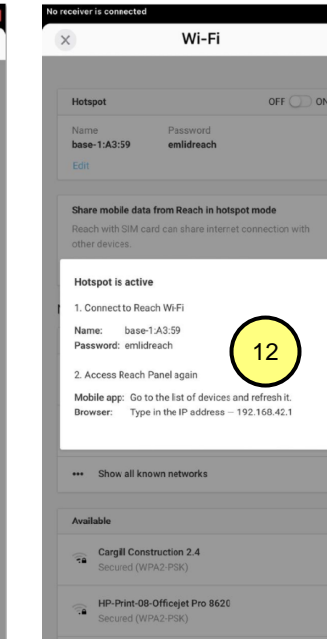
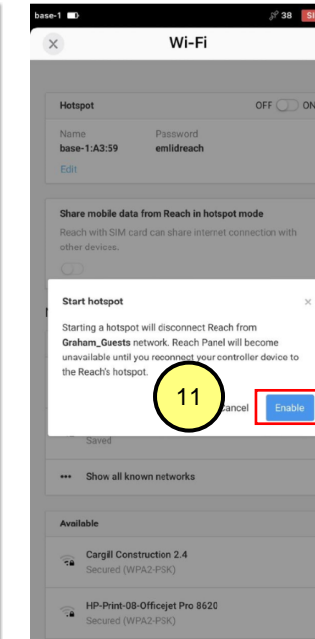
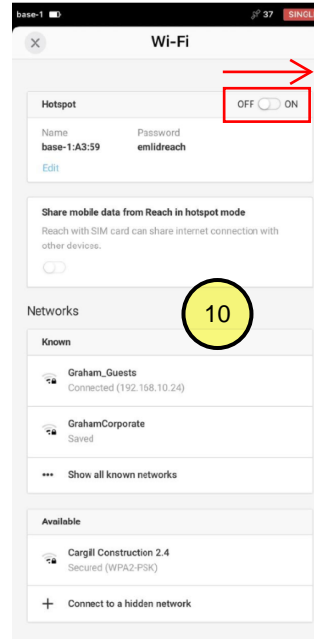
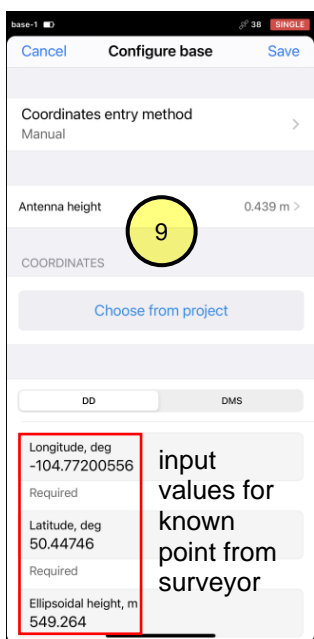
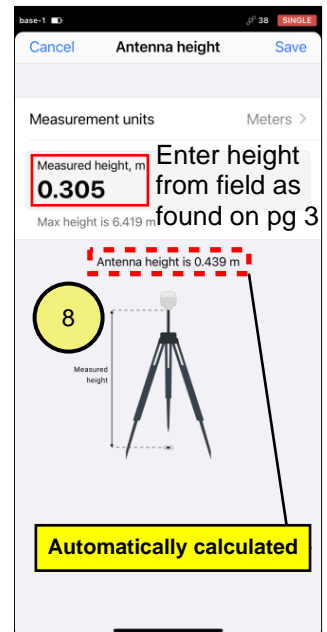
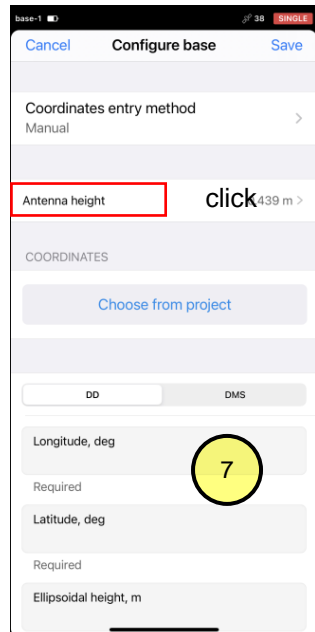
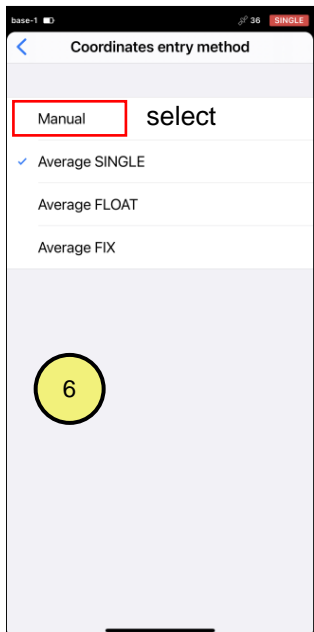
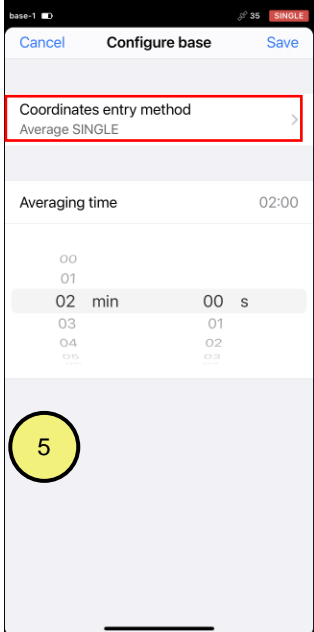
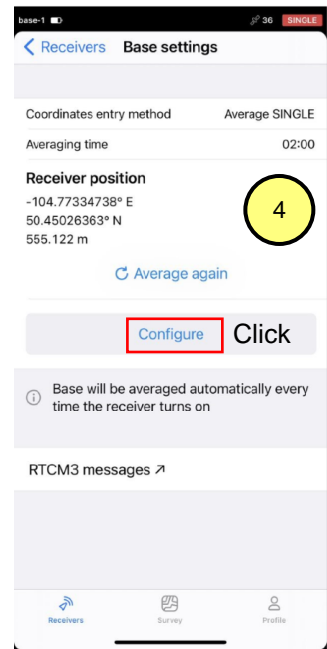
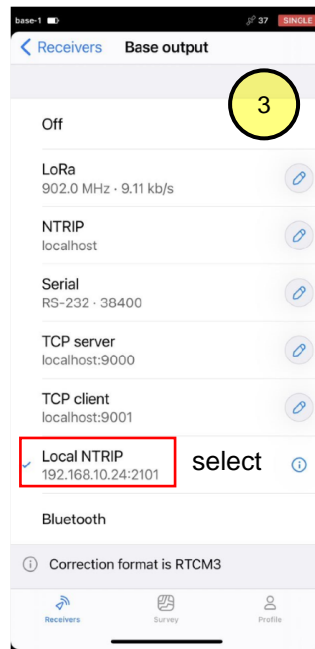
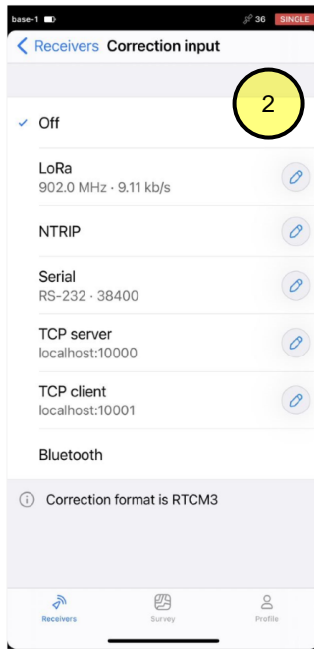
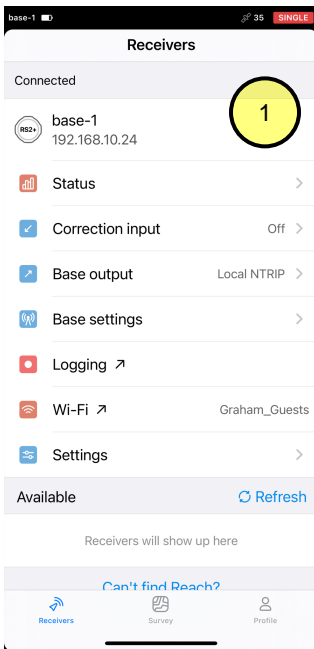
You will need the measured height for entering in the step in screen shot 8

***Critical info: - longitude must be entered in the Reachview app in East Longitude most surveyors will provide Longitude in West Longitude.**

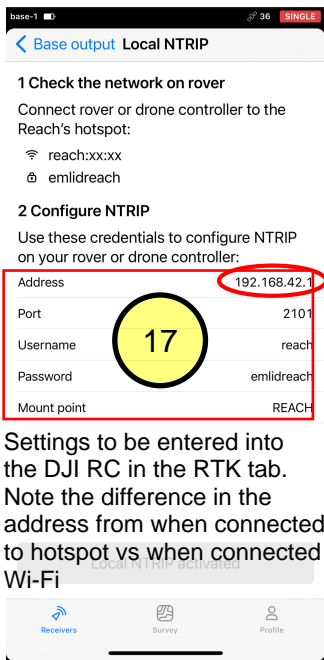
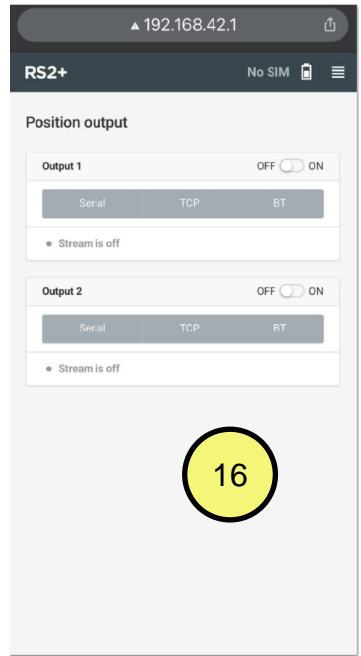
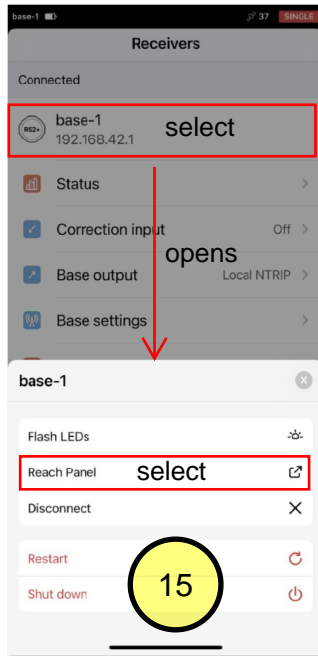
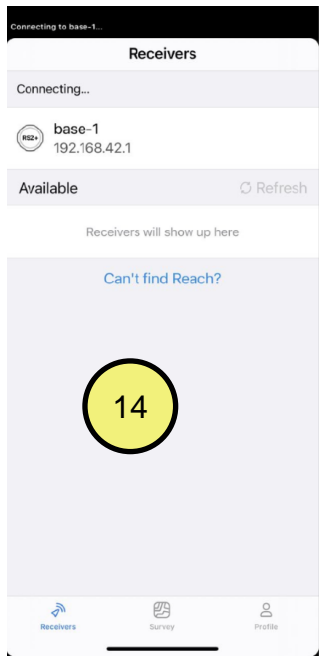
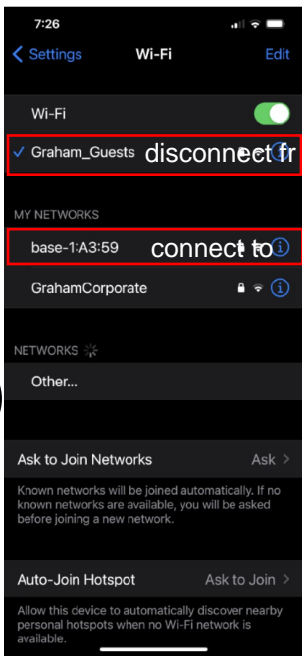
Ask surveyor for East Longitude. Click [here](#) to convert West longitude to East if required.

Lat and Long must be entered in decimal degrees in the Reachview 3 app

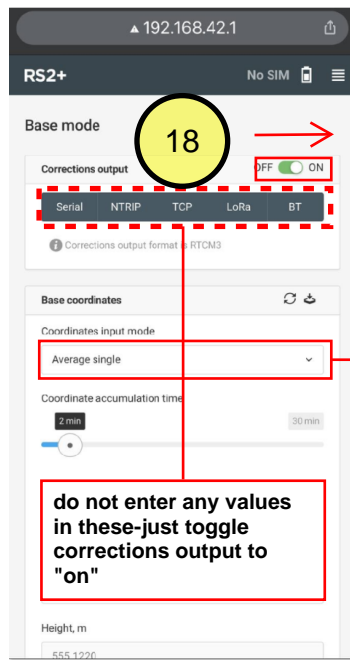
Click [here](#) to convert degrees minutes seconds to decimal degrees.



13

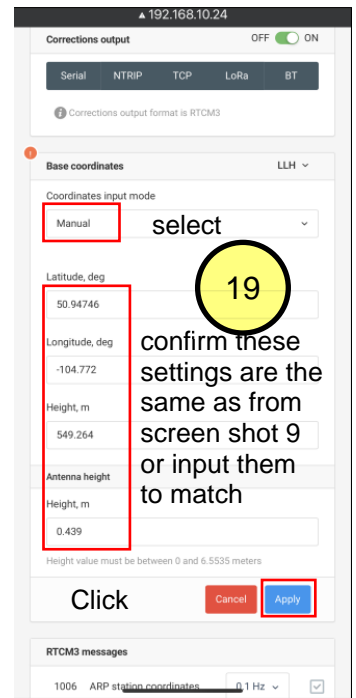


Settings to be entered into the DJI RC in the RTK tab. Note the difference in the address from when connected to hotspot vs when connected to Wi-Fi



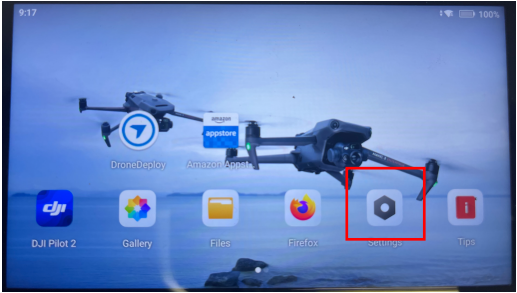
change to manual for setup on known point

do not enter any values in these-just toggle corrections output to "on"

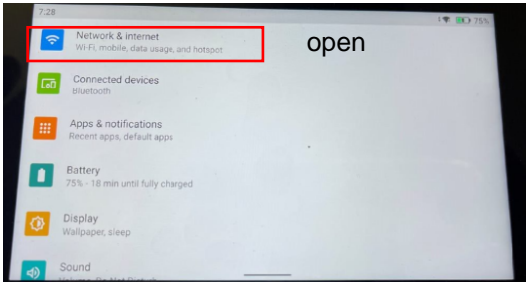


confirm these settings are the same as from screen shot 9 or input them to match

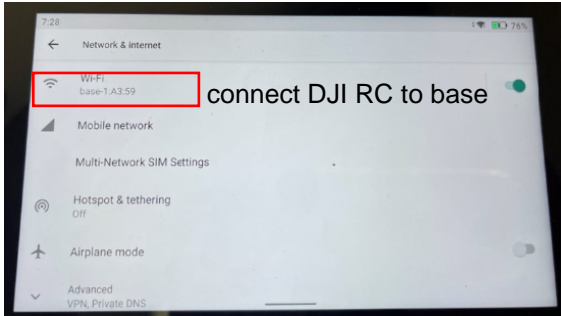
20



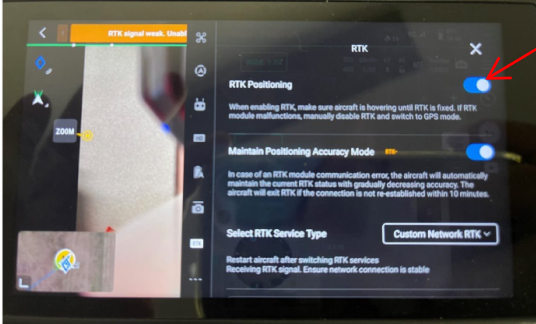
21



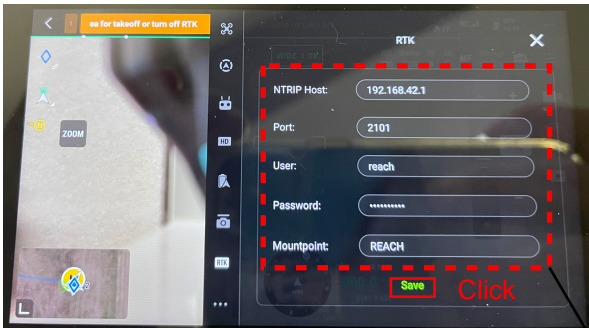
22



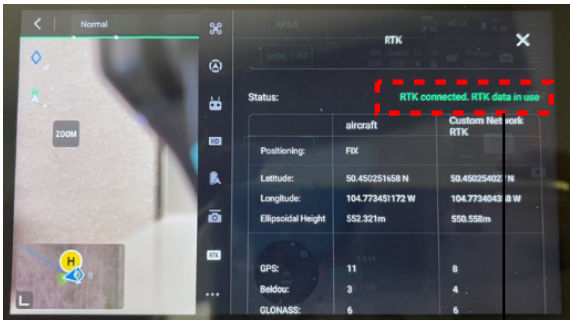
23



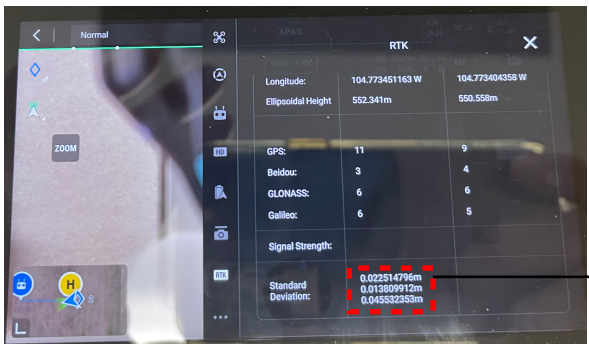
24



25



26



Enter the setting values for screen shot # 12

drone recording RTK centimeter accuracy

to get the RTK data from the receiver to be connected you need a clear unobstructed view to the sky and the drone controller must be within 1-3 meters max of the receiver