

## Technical Note

(tcpgps\_android\_en\_v12\_001\_sp20)

# Configuration for Spectra SP20

### Update Date

15/11/2018

### Requirements

#### Hardware:

**Spectra SP20**

#### Software:

**TcpGPS v1.2.0+** for Android

**Space 2.0.22** for Android

### Objective

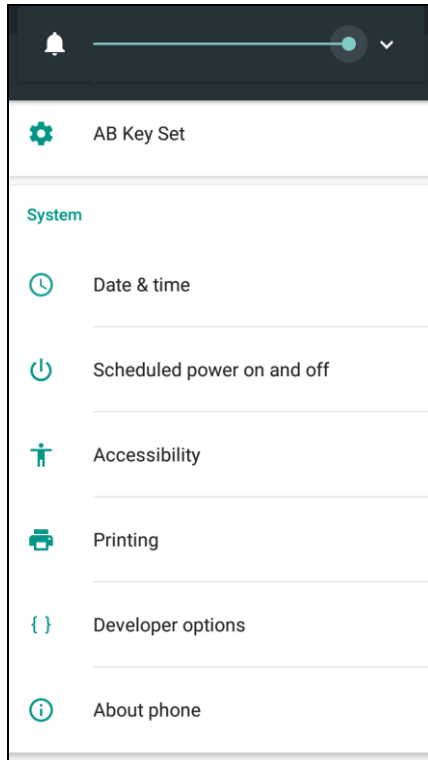
Configure TcpGPS for Android for using in **Spectra SP20** device.

### Details

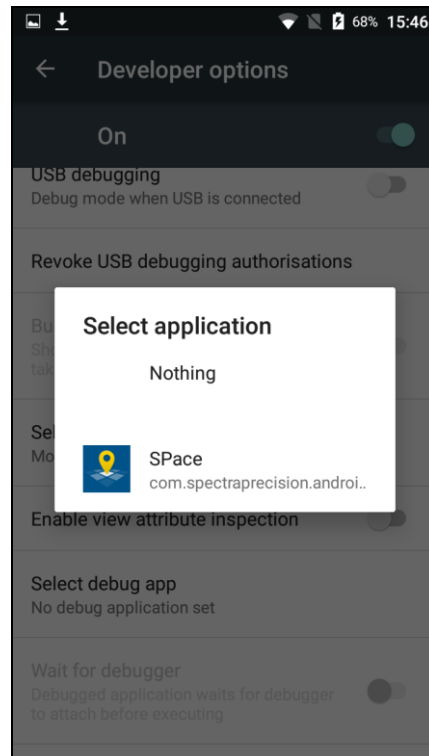
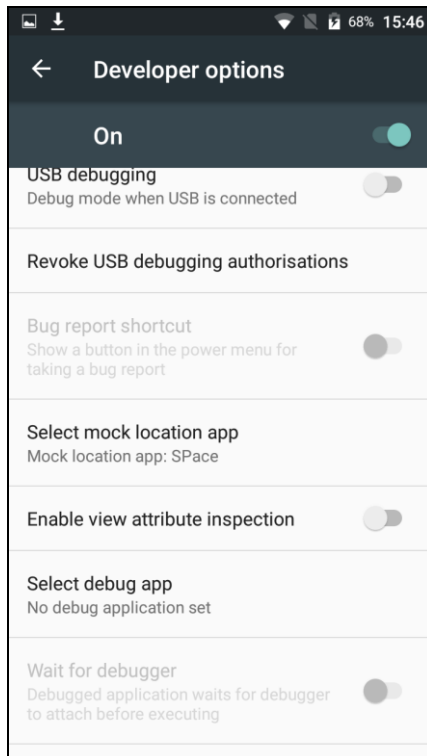
For configuring **TcpGPS** with the **SP20** GNSS receiver, **SPace** must be set up previously, which works as location provider for third party apps.

These steps must be followed for setting up both programs:

- Go to **Settings > Developer Options** within the device.

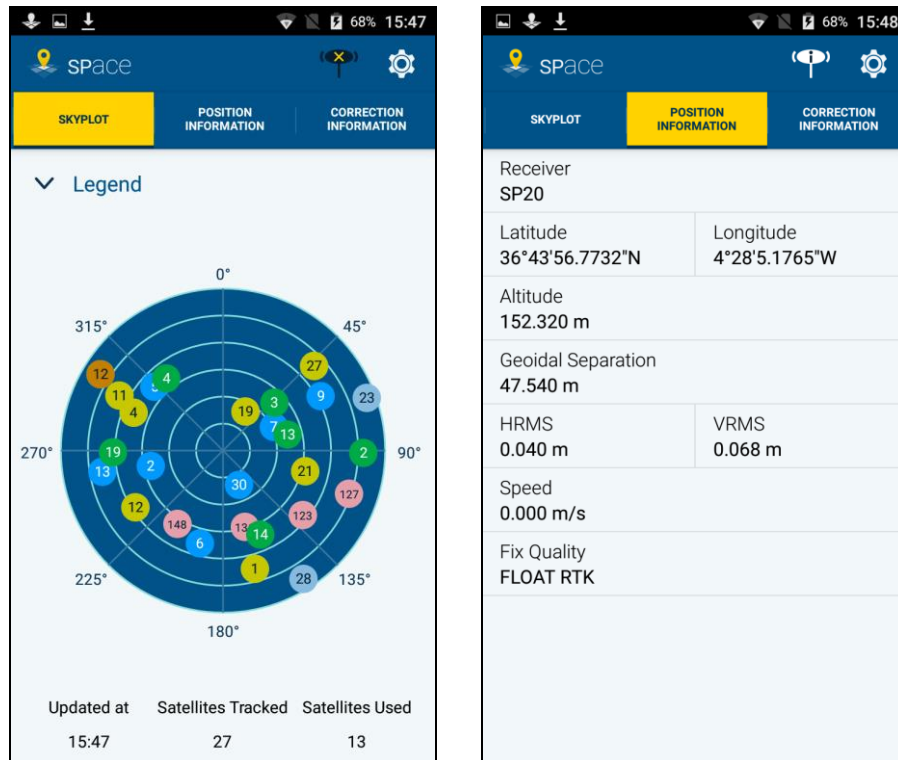


- Select **SPace** in the section **Select mock location app**.

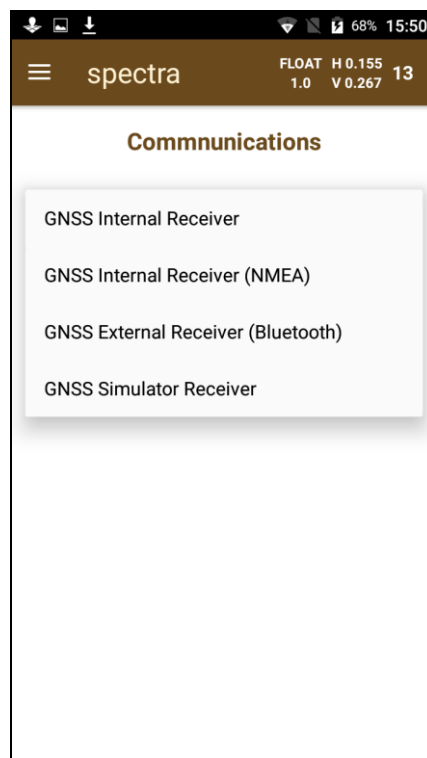


- Go to the main menu.
- Turn on the internal GNSS receiver of the mobile device.

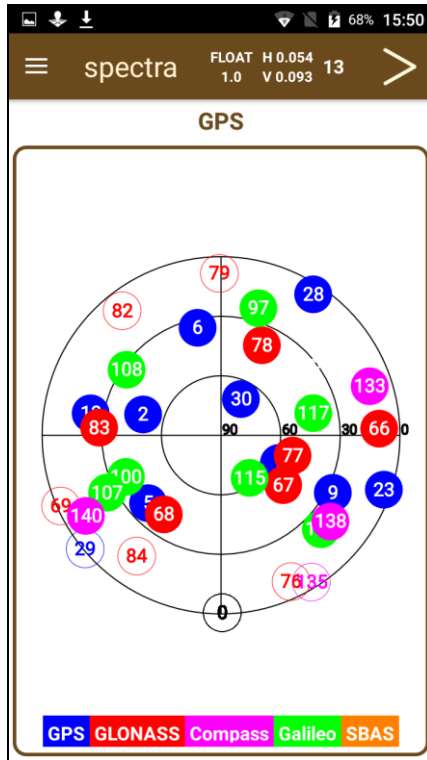
- Run **SPace** and check it is connected and receiving data.



- Run **TcpGPS**.
- Go to **Application > Communications** and select **GNSS internal receiver** from the list.



- Check that **TcpGPS** is receiving the desired accuracy on the GNSS receiver status screen.



The screenshot shows the 'spectra' app's GPS status screen with detailed data. At the top, it displays 'spectra' and 'FLOAT H 0.168 V 0.290 13'. Below this is a list of GPS parameters:

Parameter	Value
UTC Time	15:50:29
Satellites	13
Position Type	RTK Float
Latitude	36° 43' 56.77410" N
Longitude	4° 28' 05.17655" W
Ellipsoidal Height	152.311
H. Prec.	0.168
V. Prec.	0.29
PDOP	1.2
Age	1.0
ETRS89 / UTM zone 30N + EGM2008 REDNAP Geoid Height (Spain-Peninsula/Balearic islands)	
Easting	368913.432
Northing	4066195.994
Orthometric Height	104.405