TcpGPS for Android – Supported GNSS Receivers

Generic Driver for NMEA Compatible GNSS Receivers

TcpGPS includes a generic **NMEA** driver that allows one to connect to any GNSS receiver that supports this standard.

The required NMEA messages are, in this order, **GST (1Hz)**, **GSA (1Hz), GGA (1Hz)** and **GSV (5sec)**.

List of Configurable GNSS Receivers

The program also allows one to configure several brands and models of GNSS receivers in different working modes. The following table shows the supported GNSS receivers and working modes.

Note: If the receiver is not included in the list, it must be configured with a third-party program and connect using the Generic driver.

Brand / Model	Base UHF	Rover UHF	NTRIP internal modem	NTRIP external modem ([5])	Static
CHCNAV i90 ([6])	■	■	■	■	■
CHCNAV i83 ([6])	■	■	■	■	■
CHCNAV i73+ ([6])	■	■		■	■
CHCNAV i73 ([6])		■		■	■
CHCNAV i50 ([6])	■	■	■	■	■
CHCNAV LT700H ([7])			■		
EMLID Reach RS ([1])	■	■		■	■
EMLID Reach RS+ ([1])	■	■		■	■
EMLID Reach RS2 ([1])	■	■	■	■	■
EMLID Reach RS2+ ([1])	■	■	■	■	■
EMLID Reach M+ ([1])	■	■		■	■
EMLID Reach M2 ([1])	■	■		■	■
EMLID Reach RX ([1])				■	■
EMLID Reach RS3 ([1])	■	■	■	■	■
eSurvey E100			■	■	■
eSurvey E500	■	■	■	■	■
eSurvey E800	■	■	■	■	■
GeoMax Zenith 10	■	■	■	■	■
GeoMax Zenith 15	■	■	■	■	■
GeoMax Zenith 16	■	■		■	■
GeoMax Zenith 20	■	■	■	■	■
GeoMax Zenith 25 PRO	■	■	■	■	■
GeoMax Zenith 25 PRO4	■	■	■	■	■

Device					
GeoMax Zenith 35	X	X	X	X	X
GeoMax Zenith 40	X	X	X	X	X
HiTarget V100 (3)				X	X
HiTarget V90+ (3)	X	X	X	X	X
HiTarget iRTK5 (3)	X	X	X	X	X
HiTarget INNO1 (3)			X	X	X
Javad Triumph 2				X	
Leica GG02 (2)				X	
Leica GG03 (2)				X	
Leica GG04 (2)				X	
Leica FLX100 (2)				X	
Leica GS14 (8)	X	X	X	X	
Leica GS15 (8)	X	X	X	X	
Leica GS16 (8)	X	X	X	X	
Leica GS18 (8)	X	X	X	X	
SatLab SL700 (3)	X	X	X	X	X
SatLab SL800 (3)				X	X
SatLab SL900 (3)	X	X	X	X	X
Sokkia GCX3				X	
Spectra SP60	X			X	X
Spectra SP80	X	X		X	X
Spectra SP85	X	X		X	X
Spectra SP20 (4)				X	
Stonex S10	X	X	X	X	X
Stonex S800	X	X		X	X
Stonex S900	X	X	X	X	X
Stonex S980A	X	X	X	X	X
SXblue PLATINUM				X	
Teria PYX				X	
Tersus OSCAR	X	X	X	X	X
Tersus LUKA	X	X	X	X	X
Topcon HiPer HR	X	X		X	

Topcon HiPer SR				▰	
Topcon HiPer Pro	▰	▰		▰	
Topcon HiPer Plus	▰	▰		▰	
Topcon HiPer V	▰	▰		▰	
Topcon HiPer VR	▰	▰		▰	
Topcon GR-3	▰	▰		▰	
U-BLOX ZED-F9P				▰	

(¹) **EMLID** receivers must be configured with **ReachView** app. NMEA output must be enabled. TcpGPS can send RTK corrections to EMLID receiver setting up *Correction Input* in *Bluetooth* mode within ReachView app (technical note).

(²) Compatible through **Leica Zeno Connect** app (technical note).

(³) Configure the receiver using this technical note.

(⁴) Compatible through **Spectra SPace** app (technical note).

(⁵) Data collector, smartphone or tablet GSM modem.

(⁶) Configure the receiver using this technical note.

(⁷) Configure the receiver using this technical note.

(⁸) Required Leica OWI license.