Command List

The following table lists the set of commands and arguments supported by the receiver. A full description of the commands can be found in the Command Line Interface Reference Guide.

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
sac gac	**setAntennaConnector** **getAntennaConnector**	*MainAntenna*						
		auto Ext Int						
lai	**lstAntennaInfo**	***Antenna***						
		Overview Main [Antenna List]						
sal gal	**setAntennaLocation** **getAntennaLocation**	***Antenna*** *Antenna*	*Mode*	*DeltaX*	*DeltaY*	*DeltaZ*		
		+Base all	auto manual	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m		
sao gao	**setAntennaOffset** **getAntennaOffset**	***Antenna*** *Antenna*	*DeltaE*	*DeltaN*	*DeltaU*	*Type (20)*	*SerialNr (20)*	*SetupID*
		+Main all	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	Unknown	Unknown	0 ... 255
sca gca	**setChannelAllocation** **getChannelAllocation**	***Channel*** *Channel*	*Satellite*	*Search*	*Doppler*	*Window*		
		+Ch01 ... Ch29 all	auto G01 ... G32 F01 ... F21 E01 ... E32 S120 ... S138	auto manual	-50000 ... 0 ... 50000 Hz	1 ... 16000 ... 100000 Hz		
gcc	**getChannelConfiguration**	*Channel*						
		+Ch01 ... Ch29 all						
scst gcst	**setClockSyncThreshold** **getClockSyncThreshold**	*Threshold*						
		ClockSteering usec500 msec1 msec2 msec3 msec4 msec5						
sc2f gc2f	**setCMRv2Formatting** **getCMRv2Formatting**	*ReferenceID*						
		0 ... 31						
sc2i gc2i	**setCMRv2Interval** **getCMRv2Interval**	***Message*** *Message*	*Interval*					
		+CMR0 +CMR1 +CMR2 +CMR3 all	0.1 ... 1.0 ... 600.0 sec					
sc2m gc2m	**setCMRv2Message2** **getCMRv2Message2**	*ShortID (8)*	*LongID (50)*	*COGO (16)*				
		Unknown	Unknown	Unknown				
sc2o gc2o	**setCMRv2Output** **getCMRv2Output**	***Cd*** *Cd*	*Messages*					
		+COM1 +COM2 +COM3 +USB1 +USB2 all	none +CMR0 +CMR1 +CMR2 +CMR3 all					
sc2u gc2u	**setCMRv2Usage** **getCMRv2Usage**	*MsgUsage*						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
		none +CMR0 +CMR1 +CMR3 +CMR0p +CMR0w all						
scm gcm	**setCN0Mask** **getCN0Mask**	***Signal*** *Signal*	*Mask*					
		+GPSL1CA +Reserved2 +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GEOL1 all	0 ... 28 ... 60 dB-Hz					
help	**lstCommandHelp**	***Action (255)***						
		[CMD List]						
scs gcs	**setCOMSettings** **getCOMSettings**	***Cd*** *Cd*	*Rate*	*DataBits*	*Parity*	*StopBits*	*FlowControl*	
		+COM1 +COM2 +COM3 all	baud1200 baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 baud115200 baud230400 baud460800	bits8	No	bit1	none	
lcf	**lstConfigFile**	***File***						
		Current Boot RxDefault User1 User2						
eccf gccf	**exeCopyConfigFile** **getCopyConfigFile**	***Source***	***Target***					
		Current Boot User1 User2 RxDefault	Current Boot User1 User2					
sdio gdio	**setDataInOut** **getDataInOut**	***Cd*** *Cd*	*Input*	*Output*	*(Show)*			
		+COM1 +COM2 +COM3 +USB1 +USB2 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 ASCIIN	none +RTCMv2 +RTCMv3 +CMRv2 +SBF +NMEA +ASCIIDisplay +DC1 +DC2	(off) (on)			
sdca gdca	**setDiffCorrMaxAge** **getDiffCorrMaxAge**	*DGPSCorr*	*RTKCorr*					
		0.0 ... 120.0 ... 3600.0 sec	0.0 ... 20.0 ... 3600.0 sec					
sdcu gdcu	**setDiffCorrUsage** **getDiffCorrUsage**	*Mode*	*MaxAge*	*BaseSelection*	*BaseID*	*MovingBase*	*MaxBase*	*MaxBaseline*
		LowLatency	0.1 ... 3600.0 sec	auto manual	0 ... 4095	off on	2 ... 5 ... 10	0 ... 2500000 m
eecm gecm	**exeEchoMessage** **getEchoMessage**	***Cd***	***Message (242)***	***EndOfLine***				
		COM1 COM2 COM3 USB1	A:Unknown	none +CR +LF all				

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
		USB2						
sem gem	**setElevationMask** **getElevationMask**	***Engine*** *Engine*	*Mask*					
		+Tracking +PVT all	-90 ... 0 ... 90 deg					
sep gep	**setEventParameters** **getEventParameters**	***Event*** *Event*	*Polarity*					
		+EventA all	Low2High High2Low					
sfr gfr	**setFixReliability** **getFixReliability**	***Engine*** *Engine*	*SearchVolume*	*Ratio*				
		+RTK all	0.001 ... 0.200 ... 10.000	1.00 ... 4.40 ... 20.00				
sgd ggd	**setGeodeticDatum** **getGeodeticDatum**	*Datum*						
		WGS84						
sgu ggu	**setGeoidUndulation** **getGeoidUndulation**	*Mode*	*Undulation*					
		auto manual	-250.0 ... 0.0 ... 250.0 m					
sga gga	**setGNSSAttitude** **getGNSSAttitude**	*Source*						
		none MovingBase						
shm ghm	**setHealthMask** **getHealthMask**	***Engine*** *Engine*	*Mask*					
		+Tracking +PVT all	off on					
lif	**lstInternalFile**	***File***						
		Permissions Identification Debug Error SisError DiffCorrError						
sim gim	**setIonosphereModel** **getIonosphereModel**	*Model*						
		auto off Klobuchar SBAS MultiFreq						
slm glm	**setLEDMode** **getLEDMode**	*GPLED*						
		DIFFCORLED PVTLED TRACKLED						
smv gmv	**setMagneticVariance** **getMagneticVariance**	*Mode*	*Variance*					
		manual	-180.0 ... 0.0 ... 180.0 deg					
smp gmp	**setMarkerParameters** **getMarkerParameters**	*MarkerName (60)*	*MarkerNumber (20)*	*MarkerType (20)*				
		SEPT	Unknown	Unknown				
lmd	**lstMIBDescription**	***File (255)***						
		[CMD List]						
smm gmm	**setMultipathMitigation** **getMultipathMitigation**	*Code*	*Carrier*					
		off on	off on					
snrc gnrc	**setNetworkRTKConfig** **getNetworkRTKConfig**	*NetworkType*						
		auto VRS						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
enoc gnoc	**exeNMEAOnce** **getNMEAOnce**	***Cd***	***Messages***					
		COM1 COM2 COM3 USB1 USB2	+ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +LLQ +RBP +RBV +RBD					
sno gno	**setNMEAOutput** **getNMEAOutput**	***Stream*** *Stream*	*Cd*	*Messages*	*Interval*			
		+Stream1 ... Stream10 all	none COM1 COM2 COM3 USB1 USB2	none +ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +LLQ +RBP +RBV +RBD	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60			
snp gnp	**setNMEAPrecision** **getNMEAPrecision**	*NrExtraDigits*						
		0 ... 3						
snti gnti	**setNMEATalkerID** **getNMEATalkerID**	*TalkerID*						
		GP GN						
soc goc	**setObserverComment** **getObserverComment**	*Comment (120)*						
		Unknown						
sop gop	**setObserverParameters** **getObserverParameters**	*Observer (20)*	*Agency (40)*					
		Unknown	Unknown					
spe gpe	**setPeriodicEcho** **getPeriodicEcho**	***Cd*** *Cd*	*Message (242)*	*Interval*				
		+COM1 +COM2 +COM3 +USB1 +USB2 all	A:Unknown	once off msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15				

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
				sec30 sec60 min2 min5 min10 min15 min30 min60				
spps gpps	**setPPSParameters** **getPPSParameters**	*Interval*	*Polarity*	*Delay*	*TimeScale*	*MaxSyncAge*		
		off msec100 msec200 msec500 sec1 sec2 sec5 sec10	Low2High High2Low	-1000000.00 ... 0.00 ... 1000000.00 nsec	TimeSys UTC RxClock GLONASS	1 ... 60 ... 3600 sec		
spm gpm	**setPVTMode** **getPVTMode**	*Mode*	*RoverMode*	*StaticPosition*				
		Static Rover	+StandAlone +SBAS +DGPS +RTKFloat +RTKFixed +RTK all	auto Geodetic1 Geodetic2 Geodetic3 Geodetic4 Geodetic5 Cartesian1 Cartesian2 Cartesian3 Cartesian4 Cartesian5				
srl grl	**setRAIMLevels** **getRAIMLevels**	*Mode*	*Pfa*	*Pmd*	*Reliability*			
		off on	-12 ... -4 ... -1	-12 ... -4 ... -1	-12 ... -3 ... -1			
grc	**getReceiverCapabilities**							
srd grd	**setReceiverDynamics** **getReceiverDynamics**	*Level*	*Motion*					
		Max High Moderate Low	Static Quasistatic Pedestrian Automotive Unlimited					
gri	**getReceiverInterface**	*Item*						
		+RxName +SNMPLanguage +SNMPVersion all						
era gra	**exeRegisteredApplications** **getRegisteredApplications**	***Cd*** *Cd*	***Application (12)***					
		+COM1 +COM2 +COM3 +USB1 +USB2 all	Unknown					
ernf grnf	**exeResetNavFilter** **getResetNavFilter**	***Level***						
		+PVT +AmbRTK all						
erst grst	**exeResetReceiver** **getResetReceiver**	***Level***	***EraseMemory***					
		Soft Hard Upgrade	none +Config +PVTData +SatData all					
sr2c	**setRTCMv2Compatibility**	*PRCType*	*GLOToD*					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
gr2c	**getRTCMv2Compatibility**							
		Standard GroupDelay	Tk Tb					
sr2f gr2f	**setRTCMv2Formatting** **getRTCMv2Formatting**	*ReferenceID*						
		0 ... 1023						
sr2i gr2i	**setRTCMv2Interval** **getRTCMv2Interval**	***Message*** *Message*	*ZCount*					
		+RTCM1 +RTCM3 +RTCM9 +RTCM16 +RTCM22 +RTCM23|24 all	1 ... 2 ... 1000					
sr2b gr2b	**setRTCMv2IntervalObs** **getRTCMv2IntervalObs**	***Message*** *Message*	*Interval*					
		+RTCM18|19 +RTCM20|21 all	1 ... 600 sec					
sr2m gr2m	**setRTCMv2Message16** **getRTCMv2Message16**	*Message (90)*						
		Unknown						
sr2o gr2o	**setRTCMv2Output** **getRTCMv2Output**	***Cd*** *Cd*	***Messages***					
		+COM1 +COM2 +COM3 +USB1 +USB2 all	none +RTCM1 +RTCM3 +RTCM9 +RTCM16 +RTCM18|19 +RTCM20|21 +RTCM22 +RTCM23|24 +DGPS +RTK all					
sr2u gr2u	**setRTCMv2Usage** **getRTCMv2Usage**	*MsgUsage*						
		none +RTCM1 +RTCM3 +RTCM9 +RTCM15 +RTCM18|19 +RTCM20|21 +RTCM22 +RTCM23|24 +RTCM31 +RTCM32 +RTCM59 all						
sr3f gr3f	**setRTCMv3Formatting** **getRTCMv3Formatting**	*ReferenceID*						
		0 ... 4095						
sr3i gr3i	**setRTCMv3Interval** **getRTCMv3Interval**	***Message*** *Message*	*Interval*					
		+RTCM1001|2 +RTCM1003|4 +RTCM1005|6 +RTCM1007|8 +RTCM1009|10 +RTCM1011|12 +RTCM1013 +RTCM1033 all	0.1 ... 1.0 ... 600.0 sec					
sr3o gr3o	**setRTCMv3Output** **getRTCMv3Output**	***Cd*** *Cd*	*Messages*					
		+COM1	none					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
		+COM2 +COM3 +USB1 +USB2 all	+RTCM1001 +RTCM1002 +RTCM1003 +RTCM1004 +RTCM1005 +RTCM1006 +RTCM1007 +RTCM1008 +RTCM1009 +RTCM1010 +RTCM1011 +RTCM1012 +RTCM1013 +RTCM1033 all					
sr3u gr3u	**setRTCMv3Usage** **getRTCMv3Usage**	*MsgUsage*						
		none +RTCM1001 ... RTCM1012 +RTCM1033 all						
sst gst	**setSatelliteTracking** **getSatelliteTracking**	*Satellite*						
		none +G01 ... G32 +R01 ... R24 +E01 ... E32 +S120 ... S138 +GPS +GLONASS +GALILEO +SBAS all						
ssu gsu	**setSatelliteUsage** **getSatelliteUsage**	*Satellite*						
		none +G01 ... G32 +R01 ... R24 +E01 ... E32 +S120 ... S138 +GPS +GLONASS +GALILEO +SBAS all						
ssbc gsbc	**setSBASCorrections** **getSBASCorrections**	*Satellite*	*SISMode*	*NavMode*	*DO229Version*			
		auto EGNOS WAAS MSAS S120 ... S138	Test Operational	EnRoute PrecApp	auto DO229C			
ssgp gsgp	**setSBFGroups** **getSBFGroups**	***Group*** *Group*	*Messages*					
		+Group1 +Group2 +Group3 +Group4 all	none [SBF List] +Measurements +RawNavBits +GPS +GLO +GAL +GEO +PVTCart +PVTGeod +PVTExtra +Attitude +Time +Events +DiffCorr +Status +Rinex					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
			+Support +RawData +GUI					
esoc gsoc	**exeSBFOnce** **getSBFOnce**	***Cd***	***Messages***					
		COM1 COM2 COM3 USB1 USB2	[SBF List] +Measurements +GPS +GLO +GAL +GEO +PVTCart +PVTGeod +PVTExtra +Attitude +Time +Status +UserGroups +Rinex +Support +RawData +GUI					
sso gso	**setSBFOutput** **getSBFOutput**	***Stream*** *Stream*	*Cd*	*Messages*	*Interval*			
		+Stream1 ... Stream10 +Res1 +Res2 +Res3 +Res4 all	none COM1 COM2 COM3 USB1 USB2	none [SBF List] +Measurements +RawNavBits +GPS +GLO +GAL +GEO +PVTCart +PVTGeod +PVTExtra +Attitude +Time +Event +DiffCorr +Status +UserGroups +Rinex +Support +RawData +GUI	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60			
snt gnt	**setSignalTracking** **getSignalTracking**	*Signal*						
		+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GEOL1 all						
snu gnu	**setSignalUsage** **getSignalUsage**	*Signal*	*NavData*					
		+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GEOL1 all	+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GEOL1 all					
ssi gsi	**setSmoothingInterval** **getSmoothingInterval**	***Signal*** *Signal*	*Interval*	*Alignment*				
		+GPSL1CA +GPSL2PY +GPSL2C	0 ... 1000 sec	0 ... 1000 sec				

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7
		+GLOL1CA +GLOL2CA +GALL1BC +GEOL1 all						
sspc gspc	**setStaticPosCartesian** **getStaticPosCartesian**	***Position*** *Position*	*X*	*Y*	*Z*	*Datum*		
		+Cartesian1 +Cartesian2 +Cartesian3 +Cartesian4 +Cartesian5 all	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	WGS84		
sspg gspg	**setStaticPosGeodetic** **getStaticPosGeodetic**	***Position*** *Position*	*Latitude*	*Longitude*	*Altitude*	*Datum*		
		+Geodetic1 +Geodetic2 +Geodetic3 +Geodetic4 +Geodetic5 all	-90.000000000 ... 0.000000000 ... 90.000000000 deg	-180.000000000 ... 0.000000000 ... 180.000000000 deg	-1000.0000 ... 0.0000 ... 30000.0000 m	WGS84		
sts gts	**setTimingSystem** **getTimingSystem**	*System*						
		GST GPS						
stlp gtlp	**setTrackingLoopParameters** **getTrackingLoopParameters**	***Signal*** *Signal*	*DLLBandwidth*	*PLLBandwidth*	*MaxTpDLL*	*MaxTpPLL*	*Adaptive*	
		+GPSL1CA +Reserved2 +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GEOL1 all	0.01 ... 0.25 ... 5.00 Hz	1 ... 15 ... 100 Hz	1 ... 100 ... 500 msec	1 ... 10 ... 200 msec	off on	
stm gtm	**setTroposphereModel** **getTroposphereModel**	*ZenithModel*	*MappingModel*					
		off Saastamoinen MOPS	Niell MOPS					
stp gtp	**setTropospherеParameters** **getTropospherеParameters**	*Temperature*	*Pressure*	*Humidity*				
		-100.0 ... 15.0 ... 100.0 degC	800.00 ... 1013.25 ... 1500.00 hPa	0 ... 50 ... 100 %				

SBF List

ASCIIIn
AttCovEuler
AttEuler
BaseLine
BaseStation
BaseVectorCart
BaseVectorGeod
ChannelStatus
Commands
Comment
DiffCorrIn
DOP
EndOfAtt
EndOfMeas
EndOfPVT
ExtEvent
ExtEventPVTCartesian
ExtEventPVTGeodetic
GALAlm
GALGstGps
GALIon
GALNav
GALRawINAV
GALUtc
GEOAlm
GEOClockEphCovMatrix
GEOCorrections
GEODegrFactors
GEOFastCorr
GEOFastCorrDegr
GEOIGPMask
GEOIntegrity
GEOIonoDelay
GEOLongTermCorr
GEOMT00
GEONav
GEONetworkTime
GEOPRNMask
GEORawL1
GEOServiceLevel
GLOAlm
GLONav
GLORawCA
GLOTime
GPSAlm
GPSIon
GPSNav
GPSRawCA
GPSRawL2C
GPSUtc
Group1
Group2
Group3
Group4
InputLink
IQCorr
MeasEpoch
MeasExtra
OutputLink
PosCart
PosCovCartesian
PosCovGeodetic
PVTCartesian
PVTGeodetic
PVTResiduals
PVTSatCartesian
RAIMStatistics
ReceiverSetup
ReceiverStatus
ReceiverTime
SatVisibility
VelCovCartesian
VelCovGeodetic
xPPSOffset