

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	Argument 8	Argument 9
eawa gawa	exeAddWiFiAccessPoint getAddWiFiAccessPoint	<i>SSID (32)</i>	<i>Key (40)</i>							
sao gao	setAntennaOffset getAntennaOffset	<i>Antenna</i> <i>Antenna</i>	<i>DeltaE</i>	<i>DeltaN</i>	<i>DeltaU</i>					
		+ Main all	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m					
sbt gbtp	setBTPParameters getBTPParameters	<i>Enable</i>	<i>DeviceName (32)</i>	<i>PairingCode (8)</i>	<i>Discoverable</i>	<i>DeviceNameActu</i>				
		off on	default	1234	off on	model-serialnumb				
scdc gc dc	setCellularDataCall getCellularDataCall	<i>Enable</i>	<i>Role</i>	<i>CallNumber (20)</i>	<i>Speed</i>					
		off on	Calling Accepting		auto V.32_auto V.34_9600baud V.34_14400baud V.110_auto V.110_14400baud V.120_auto V.120_14400baud					
scem gcem	setCellularParameters getCellularParameters	<i>Power</i>	<i>Connect</i>	<i>APN (32)</i>	<i>User (32)</i>	<i>Password (40)</i>	<i>Standard</i>			
		off on	off on				+ 2G + 3G all			
scep gc ep	setCellularPIN getCellularPIN	<i>PIN (20)</i>								
eccp gccp	exeChangeCellularPIN getChangeCellularPIN	<i>OldPIN (20)</i>	<i>NewPIN (20)</i>							
sc2f gc2f	setCMRv2Formatting getCMRv2Formatting	<i>ReferenceID</i>								
		0 ... 31								
sc2i gc2i	setCMRv2Interval getCMRv2Interval	<i>Message</i> <i>Message</i>	<i>Interval</i>							
		+ CMR0 + CMR1 + CMR2 + CMR3 all	0.1 ... 1.0 ... 600.0 sec							
sc2m gc2m	setCMRv2Message2 getCMRv2Message2	<i>ShortID (8)</i>	<i>LongID (50)</i>	<i>COGO (16)</i>						
		Unknown	Unknown	Unknown						
sc2o gc2o	setCMRv2Output getCMRv2Output	<i>Cd</i> <i>Cd</i>	<i>Messages</i>							

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		+ COM1 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + BT01 + DCL1 all	none + <u>CMR0</u> + <u>CMR1</u> + <u>CMR2</u> + <u>CMR3</u> all							
scs gcs	setCOMSettings getCOMSettings	Cd Cd	Rate							
		+ COM1 all	baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 baud115200							
lcf	lcfConfigFile	File								
		Current Boot RxDefault User1 User2								
ecf gcf	exeCopyConfigFile getCopyConfigFile	Source	Target							
		Current Boot User1 User2 RxDefault	Current Boot User1 User2							
sdcm gdc	setDaisyChainMode getDaisyChainMode	DC DC	Mode							
		+ DC1 + DC2 all	Raw ASCII							
sdio gdio	setDataInOut getDataInOut	Cd Cd	Input	Output	Show					
		+ DSK1 + COM1 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + BT01 + IPR1 + IPR2 + IPR3 + DCL1 all	SBF none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 NMEA ASCIIIN <u>auto</u>	none + RTCMv2 + RTCMv3 + CMRv2 + <u>SBF</u> + <u>NMEA</u> + ASCIIIDisplay + DC1 + DC2	(off) (on)					
sdal gdal	setDefaultAccessLevel getDefaultAccessLevel	Web	Ftp	Ip	Com	Usb	Bt	DataCall		
		none Viewer <u>User</u>	none Viewer <u>User</u>	none Viewer <u>User</u>	none Viewer <u>User</u>	none Viewer <u>User</u>	none Viewer <u>User</u>	<u>none</u> Viewer User		

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sdca gdca	setDiffCorrMaxAge getDiffCorrMaxAge	<i>DGPS</i> <i>Corr</i>	<i>RTK</i> <i>Corr</i>	<i>PPP</i> <i>Corr</i>	<i>Iono</i>					
		0.0 ... 400.0 ... 3600.0 sec	0.0 ... 20.0 ... 3600.0 sec	0.0 ... 360.0 ... 3600.0 sec	0.0 ... 600.0 ... 3600.0 sec					
sdcu gdcu	setDiffCorrUsage getDiffCorrUsage	<i>Mode</i>	<i>MaxAge</i>	<i>BaseSelection</i>	<i>BaseID</i>	<i>MovingBase</i>	<i>MaxBase</i>	<i>MaxBaseline</i>		
		<u>LowLatency</u>	0.1 ... 3600.0 sec	auto manual	0 ... 4095	off on	2 ... 5 ... 10	0 ... 2500000 m		
sdfa gdfa	setDiskFullAction getDiskFullAction	<i>Disk</i> <i>Disk</i>	<i>Action</i>							
		+ DSK1 all	DeleteOldest <u>StopLogging</u>							
ldi	lstDiskInfo	<i>Disk</i>	<i>Directory (60)</i>							
		DSK1 all								
sdds gdds	setDynamicDNS getDynamicDNS	<i>Provider</i>	<i>UserName (40)</i>	<i>Password (40)</i>	<i>Hostname (40)</i>	<i>Bind</i>				
		off dyndns.org no-ip.com				auto WiFi Cell				
sem gem	setElevationMask getElevationMask	<i>Engine</i> <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	-90 ... 0 ... 90 deg							
sfn gfn	setFileNaming getFileNaming	<i>Cd</i> <i>Cd</i>	<i>NamingType</i>	<i>FileName (8)</i>						
		+ DSK1 all	FileName Incremental IGS15M <u>IGS1H</u> IGS6H IGS24H	<u>log</u>						
fwd	forward	<i>Destination</i>	<i>Command (255)</i>							
		Gnss_receiver Cell								
sgu gggu	setGeoidUndulation getGeoidUndulation	<i>Mode</i>	<i>Undulation</i>							
		auto manual	-250.0 ... 0.0 ... 250.0 m							
lif	lstInternalFile	<i>File</i>								
		Permissions Identification Debug Error								
sirs girs	setIPReceiveSettings getIPReceiveSettings	<i>Cd</i> <i>Cd</i>	<i>Port</i>	<i>Mode</i>	<i>TCPAddress (40)</i>					
		+ IPR1 + IPR2 + IPR3 all	0 ... 65535	<u>TCP</u> UDP	0.0.0.0					
sisss giss	setIPServerSettings getIPServerSettings	<i>Cd</i> <i>Cd</i>	<i>Port</i>	<i>Mode</i>	<i>UDPAddress (200)</i>					
		+ IPS1 + IPS2 + IPS3 all	0 ... 65535	<u>TCP</u> UDP	255.255.255.255					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
slco glco	setLocalCoordOperation getLocalCoordOperation	<i>OpName (100)</i>								
		NETWORK								
llc	IstLocalCoordOperations	Operation (100)								
		Overview								
emd gmd	exeManageDisk getManageDisk	Disk	Action							
		DSK1	Unmount Mount Format							
emwa gmwa	exeManageWiFiAccessPoint getManageWiFiAccessPoint	SSID (32)	Action							
			Promote Remove							
smp gmp	setMarkerParameters getMarkerParameters	<i>MarkerName (60)</i>	<i>MarkerNumber (</i>	<i>MarkerType (20)</i>						
		SEPT	Unknown	Unknown						
enoc gnoc	exeNMEAOnce getNMEAOnce	Cd	Messages							
		DSK1 COM1 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 BT01 DCL1	+ GGA + GLL + GNS + GRS + GSA + GST + GSV + RMC + VTG + ZDA + LLQ + GGQ + LLK + GMP + TFM + SNC + SCL + SBT							
sno gno	setNMEAOutput getNMEAOutput	Stream <i>Stream</i>	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					
		+ Stream1 ... Stream9 all	none DSK1 COM1 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 BT01 DCL1	none + GGA + GLL + GNS + GRS + GSA + GST + GSV + RMC + VTG + ZDA + LLQ + GGQ + LLK + GMP + TXTbase + TFM + SNC + SCL + SBT	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10					
snp gnp	setNMEAPrecision getNMEAPrecision	<i>NrExtraDigits</i>	<i>Compatibility</i>	<i>LocalDatum</i>						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		0 ... 3	Nominal Mode1 Mode2	off only						
snti gnti	setNMEATalkerID getNMEATalkerID	TalkerID								
		GP GN								
snv gnv	setNMEAVersion getNMEAVersion	Version								
		v3x v4x								
snts gnts	setNtripSettings getNtripSettings	Cd Cd	Mode	Caster (40)	Port	UserName (20)	Password (40)	MountPoint (32)	Version	SendGGA
		+ NTR1 + NTR2 + NTR3 all	off Server Client		0 ... 2101 ... 65535				v2	auto off sec1 sec5 sec10 sec60
Inst	IstNTRIPSourceTable	Caster (40)	Port							
			0 ... 2101 ... 65535							
soc goc	setObserverComment getObserverComment	Comment (120)								
		Unknown								
sop gop	setObserverParameters getObserverParameters	Observer (20)	Agency (40)							
		Unknown	Unknown							
spfw gpfw	setPortFirewall getPortFirewall	Interface Interface	OpenPorts	PortList (100)						
		+ WiFi + Cell all	none default all PortList							
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						
spba gpba	setPWRButtonAction getPWRButtonAction	Click	DoubleClick							
		none + ToggleLogging + ToggleWiFi all	none + ToggleLogging + ToggleWiFi all							
grc	getReceiverCapabilities									
gri	getReceiverInterface	Item								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ RxName + SNMPLanguage + SNMPVersion all								
lrf	lstRecordedFile	Disk	FileName (60)							
		DSK1								
era gra	exeRegisteredApplications getRegisteredApplications	Cd <i>Cd</i>	Application (12)							
		+ COM1 + USB1 + USB2 + IP10 ... IP17 + BT01 all	<u>Unknown</u>							
erf grf	exeRemoveFile getRemoveFile	Disk	FileName (60)							
		DSK1	<u>none</u> all							
erst grst	exeResetReceiver getResetReceiver	Level	EraseMemory							
		Soft <u>Hard</u> Upgrade	<u>none</u> + Config + Bluetooth + WiFiAccessPoints all							
sroa groa	setRoamingMode getRoamingMode	<i>Enable</i>								
		off <u>on</u>								
sr2f gr2f	setRTCMv2Formatting getRTCMv2Formatting	<i>ReferenceID</i>	<i>GLToD</i>							
		0 ... 1023	<u>Tk</u> Tb							
sr2i gr2i	setRTCMv2Interval getRTCMv2Interval	Message <i>Message</i>	<i>ZCount</i>							
		+ RTCM1 + RTCM3 + RTCM9 + RTCM16 + RTCM17 + RTCM22 + RTCM23 24 + RTCM31 + RTCM32 all	1 ... 2 ... 1000							
sr2b gr2b	setRTCMv2IntervalObs getRTCMv2IntervalObs	Message <i>Message</i>	<i>Interval</i>							
		+ RTCM18 19 + RTCM20 21 all	1 ... 600 sec							
sr2m gr2m	setRTCMv2Message16 getRTCMv2Message16	<i>Message (90)</i>								
		<u>Unknown</u>								
sr2o gr2o	setRTCMv2Output getRTCMv2Output	Cd <i>Cd</i>	Messages							

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		+ COM1 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + BT01 + DCL1 all	none + RTCM1 + RTCM3 + RTCM9 + RTCM16 + RTCM18 19 + RTCM20 21 + RTCM22 + RTCM23 24 + RTCM31 + RTCM32 + RTCM17 + DGPS + RTK all							
sr3d gr3d	setRTCMv3Delay getRTCMv3Delay	<i>Delay</i>								
		<i>0 ... 600 sec</i>								
sr3f gr3f	setRTCMv3Formatting getRTCMv3Formatting	<i>ReferenceID</i>	<i>MSMSignals</i>	<i>GLOL2</i>						
		<i>0 ... 4095</i>	+ GPSL1CA + GPSL2PY + GPSL2C + GLOL1CA + GLOL2CA + GALL1BC + QZSL1CA + QZSL2C all	<i>L2CA</i> <i>L2P</i>						
sr3i gr3i	setRTCMv3Interval getRTCMv3Interval	<i>Message</i> <i>Message</i>	<i>Interval</i>							
		+ RTCM1001 2 + RTCM1003 4 + RTCM1005 6 + RTCM1007 8 + RTCM1009 10 + RTCM1011 12 + RTCM1013 + RTCM1019 + RTCM1020 + RTCM1029 + RTCM1033 + RTCM1044 + RTCM1045 + RTCM1230 + MSM1 ... MSM7 all	<i>0.1 ... 1.0</i> <i>... 600.0 sec</i>							
sr3m gr3m	setRTCMv3Message1029 getRTCMv3Message1029	<i>Message (120)</i>								
		<i>Unknown</i>								
sr3o gr3o	setRTCMv3Output getRTCMv3Output	<i>Cd</i> <i>Cd</i>	<i>Messages</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ COM1 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + BT01 + DCL1 all	none + RTCM1001 + RTCM1002 + RTCM1003 + RTCM1004 + RTCM1005 + RTCM1006 + RTCM1007 + RTCM1008 + RTCM1009 + RTCM1010 + RTCM1011 + RTCM1012 + RTCM1013 + RTCM1019 + RTCM1020 + RTCM1029 + RTCM1033 + RTCM1044 + RTCM1045 + RTCM1071 ... RTCM1077 + RTCM1081 ... RTCM1087 + RTCM1091 ... RTCM1097 + RTCM1111 ... RTCM1117 + RTCM1230 + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 all							
sst gst	setSatelliteTracking getSatelliteTracking	Satellite								
		none + G01 ... G32 + R01 ... R24 + E01 ... E32 + S120 ... S140 + J01 + J02 + J03 + GPS + GLONASS + GALILEO + SBAS + QZSS all								
esoc gsoc	exeSBFOnce getSBFOnce	Cd	Messages							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		DSK1 COM1 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 BT01 DCL1	[SBF List] + Measurements + GPS + GLO + GAL + GEO + QZS + PVTCart + PVTGeod + PVTEExtra + Attitude + Time + Status + UserGroups + Rinex + Support + RawData + PostProcess + GUI							
ssso gso	setSBFOutput getSBFOutput	Stream Stream	Cd	Messages	Interval					
		+ Stream1 ... Stream8 + Res1 + Res2 + Res3 + Res4 all	none DSK1 COM1 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 BT01 DCL1	none [SBF List] + Measurements + RawNavBits + GPS + GLO + GAL + GEO + QZS + PVTCart + PVTGeod + PVTEExtra + Attitude + Time + DiffCorr + Status + UserGroups + Rinex + Support + RawData + PostProcess + GUI	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
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 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 Other				
sspg gspg	setStaticPosGeodetic getStaticPosGeodetic	Position Position	Latitude	Longitude	Altitude	Datum				
		+ Geodetic1 + Geodetic2 + Geodetic3 + Geodetic4 + Geodetic5 all	-90.0000000000 ... 0.0000000000 ... 90.0000000000 deg	-180.0000000000 ... 0.0000000000 ... 180.0000000000 deg	-1000.0000 ... 0.0000 ... 30000.0000 m	WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 Other				
suoc guoc	setUMSDOnConnect getUMSDOnConnect	Mode								
		off on								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
eunc gunc	exeUnblockCellular getUnblockCellular	PUK (20)	PIN (20)							
sual gual	setUserAccessLevel getUserAccessLevel	UserID <i>UserID</i>	<i>UserName (16)</i>	<i>Password (32)</i>	<i>UserLevel</i>					
		+ User1 ... User8 all			Viewer <u>User</u>					
swfa gwfa	setWiFiAccessPoint getWiFiAccessPoint	SSID (32)	EncryptionType	Key (40)	Channel	Hotspot	SSIDActual (32)			
		<u>default</u>	<u>none</u> WPA-PSK WPA2	<u>password</u>	1 ... <u>6</u> ... 11	<u>off</u> on	<u>model-sn</u>			
lwa	lstWiFiAccessPoints	Type								
		+ Known + Reachable all								
swfm gwfm	setWiFiMode getWiFiMode	Enable	Mode							
		<u>off</u> <u>on</u>	<u>AccessPoint</u> Client							

SBF List

ASCIIn	AttCovEuler	AttEuler
BaseLine	BaseStation	BaseVectorCart
BaseVectorGeod	BatteryStatus	BluetoothStatus
CellularStatus	ChannelStatus	Commands
Comment	DOP	DiffCorrIn
DiskStatus	DynDNSStatus	EndOfAtt
EndOfMeas	EndOfPVT	GALAlm
GALGstGps	GALlon	GALNav
GALRawNAV	GALSARRLM	GALUtc
GEOAlm	GEOClockEphCovMatrix	GEOCorrections
GEODegrFactors	GEOFastCorr	GEOFastCorrDegr
GEOIGPMask	GEOIntegrity	GEOlonoDelay
GEOLongTermCorr	GEOMT00	GEONav
GEONetworkTime	GEOPRNMMask	GEORawL1
GEOServiceLevel	GLOAlm	GLONav
GLORawCA	GLOTime	GPSAlm
GPSlon	GPSNav	GPSRawCA
GPSRawL2C	GPSUtc	Group1
Group2	Group3	Group4
IPStatus	InputLink	MeasEpoch
MeasExtra	NTRIPClientStatus	OutputLink
PVTCartesian	PVTGeodetic	PVTResiduals
PVTSatCartesian	PVTSupport	PosCart
PosCovCartesian	PosCovGeodetic	PosLocal
PosProjected	QZSNav	QZSRawL1CA
QZSRawL2C	QualityInd	RAIMStatistics
RTCMDatum	ReceiverSetup	ReceiverStatus
ReceiverTime	RxComponents	RxMessage
SatVisibility	VelCovCartesian	VelCovGeodetic
WiFiAPStatus	WiFiClientStatus	