

# 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 Reference Guide.

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sam gam	setAGCMode getAGCMode	<b>Band</b> Band	<b>Mode</b>	<b>Gain</b>						
		+ L1 + L2 all	auto frozen manual	0 ... <u>35</u> ... 70 dB						
lai	lstAntennalInfo	<b>Antenna</b>								
		Overview Main Aux1 [antenna name]								
sat gat	setAntennaType getAntennaType	<b>Antenna</b> Antenna	<b>Type (20)</b>							
		+ Main + Aux1 all	Unknown							
sav gav	setAntennaVoltage getAntennaVoltage	<b>Voltage</b>								
		volts <u>3.3</u> volts5.0								
sto gto	setAttitudeOffset getAttitudeOffset	<b>Heading</b>	<b>Pitch</b>							
		-360.000 ... 0.000 ... 360.000 deg	-90.000 ... <u>0.000</u> ... 90.000 deg							
sbbs gbbs	setBBSamplingMode getBBSamplingMode	<b>Mode</b>								
		BeforeIM AfterIM								
sca gca	setChannelAllocation getChannelAllocation	<b>Channel</b> Channel	<b>Satellite</b>	<b>Search</b>	<b>Doppler</b>	<b>Window</b>				
		+ Ch01 ... Ch40 all	auto G01 ... G32 F01 ... F14 E01 ... E36 S120 ... S158 C01 ... C37 J01 ... J07	auto manual	-50000 ... <u>0</u> ... 50000 Hz	1 ... 16000 ... 100000 Hz				
scia gcia	setCheckInternetAvailability getCheckInternetAvailability	<b>Mode</b>								
		off on								
scst gcst	setClockSyncThreshold getClockSyncThreshold	<b>Threshold</b>								
		ClockSteering <u>usec500</u> msec1 msec2 msec3 msec4 msec5								
sc2u gc2u	setCMRv2Usage getCMRv2Usage	<b>MsgUsage</b>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none + <u>CMR0</u> + <u>CMR1</u> + <u>CMR2</u> + <u>CMR3</u> + <u>CMR0p</u> + <u>CMR0w</u> all								
scm gcm	<b>setCN0Mask</b> <b>getCN0Mask</b>	<b>Signal</b> <i>Signal</i>	<i>Mask</i>							
		+ GPSL1CA + Reserved2 + GPSL2C + GL0L1CA + GL0L2CA + GALL1BC + GALE5b + GEOL1 + BDSB1 + BDSB2 + QZSL1CA + QZSL2C all	0 ... 10 ... 60 dB-Hz							
help	<b>lstCommandHelp</b>	<b>Action (255)</b>								
		Overview								
scs gcs	<b>setCOMSettings</b> <b>getCOMSettings</b>	<b>Cd</b> <i>Cd</i>	<i>Rate</i>	<i>DataBits</i>	<i>Parity</i>	<i>StopBits</i>	<i>FlowControl</i>			
		+ COM1 + COM2 + COM3 + COM4 all	baud1200 baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 <u>baud115200</u> baud230400	<u>bits8</u>	No	<u>bit1</u>	none RTS CTS			
lcf	<b>lstConfigFile</b>	<b>File</b>								
		Current Boot RxDefault User1 User2								
eccf gccf	<b>exeCopyConfigFile</b> <b>getCopyConfigFile</b>	<b>Source</b>	<b>Target</b>							
		Current Boot User1 User2 RxDefault	Current Boot User1 User2							
scda gcda	<b>setCrossDomainWebAccess</b> <b>getCrossDomainWebAccess</b>	<i>Mode</i>								
		off on								
lcu	<b>lstCurrentUser</b>									
sdc gdc	<b>setDaisyChainMode</b> <b>getDaisyChainMode</b>	<b>DC</b> <i>DC</i>	<i>Mode</i>							
		+ DC1 + DC2 all	Raw ASCII							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sdio gdio	<b>setDataInOut</b> <b>getDataInOut</b>	<b>Cd</b> <i>Cd</i>	<i>Input</i>	<i>Output</i>	<i>Show</i>					
		+ DSK1 + COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 ASCIIIN <u>auto</u>	none + <u>SBE</u> + <u>NMEA</u> + ASCIIIDisplay + DC1 + DC2 + Encapsulate	(off) (on) (waiting)					
sdal gdal	<b>setDefaultAccessLevel</b> <b>getDefaultAccessLevel</b>	<i>Web</i>	<i>Dsk</i>	<i>Ip</i>	<i>Com</i>	<i>Usb</i>				
		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>				
sdca gdca	<b>setDiffCorrMaxAge</b> <b>getDiffCorrMaxAge</b>	<i>DGPSCorr</i>	<i>RTKCorr</i>	<i>PPPCorr</i>	<i>Iono</i>					
		0.0 ... 400.0 ... 3600.0 s	0.0 ... 20.0 ... 3600.0 s	0.0 ... 0.0 s	0.0 ... 600.0 ... 3600.0 s					
sdcu gdcu	<b>setDiffCorrUsage</b> <b>getDiffCorrUsage</b>	<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 s	<u>auto</u> manual	0 ... 4095	<u>off</u>	2 ... 5 ... 10	0 ... 2500000 m		
sdfa gdfa	<b>setDiskFullAction</b> <b>getDiskFullAction</b>	<b>Disk</b> <i>Disk</i>	<i>Action</i>							
		+ DSK1 all	DeleteOldest <u>StopLogging</u>							
ldi	<b>lstDiskInfo</b>	<b>Disk</b>	<b>Directory (60)</b>							
		DSK1 all								
sdds gdds	<b>setDynamicDNS</b> <b>getDynamicDNS</b>	<i>Provider</i>	<i>UserName (40)</i>	<i>Password (40)</i>	<i>Hostname (40)</i>	<i>Bind</i>				
		<u>off</u> dyndns.org no-ip.com				<u>auto</u> Ethernet				
eeem gecm	<b>exeEchoMessage</b> <b>getEchoMessage</b>	<b>Cd</b>	<b>Message (242)</b>	<b>EndOfLine</b>						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 DC1 DC2	A:Unknown	none + CR + LF all						
sem gem	setElevationMask getElevationMask	Engine Engine	Mask							
		+ Tracking + PVT all	-90 ... 0 ... 90 deg							
smth gmth	setENHTransfoHorizontal getENHTransfoHorizontal	TransfoID TransfoID	DeltaE	DeltaN	E0	N0	AlphaEE	AlphaEN	AlphaNE	AlphaNN
		+ lt1 all	-250.0000 ... 0.0000 ... 250.0000 m	-250.0000 ... 0.0000 ... 250.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm
smtv gmtv	setENHTransfoVertical getENHTransfoVertical	TransfoID TransfoID	DeltaH	E0	N0	AlphaHE	AlphaHN			
		+ lt1 all	-250.0000 ... 0.0000 ... 250.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm			
seth geth	setEthernetMode getEthernetMode	Enable								
		off on								
sep gep	setEventParameters getEventParameters	Event Event	Polarity							
		+ EventA + EventB all	Low2High High2Low							
sfm gfm	setFileNaming getFileNaming	Cd Cd	NamingType	FileName (20)						
		+ DSK1 all	FileName Incremental IGS15M IGS1H IGS6H IGS24H	log						
efup gfup	exeFTPUpgrade getFTPUpgrade	Server (32)	Path (64)	Login (12)	Password (24)					
				anonymous						
sgd gdd	setGeodeticDatum getGeodeticDatum	TargetDatum								
		WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 Default User1 User2								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sgu ggu	<b>setGeoidUndulation</b> <b>getGeoidUndulation</b>	<i>Mode</i>	<i>Undulation</i>							
		auto manual	-250.0 ... <u>0.0</u> ... 250.0 m							
sfno gfno	<b>setGlobalFileNamingOptions</b> <b>getGlobalFileNamingOptions</b>	<i>BusyTag</i>								
		off <u>on</u>								
shm ghm	<b>setHealthMask</b> <b>getHealthMask</b>	<i>Engine</i> <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	off <u>on</u>							
shs ghs	<b>setHttpsSettings</b> <b>getHttpsSettings</b>	<i>Protocol</i>								
		+ HTTP + HTTPS all								
sio gio	<b>setIMUOrientation</b> <b>getIMUOrientation</b>	<i>OrientationMode</i>	<i>ThetaX</i>	<i>ThetaY</i>	<i>ThetaZ</i>					
		SensorDefault manual	-180.000 ... <u>0.000</u> ... 180.000 deg	-90.000 ... <u>0.000</u> ... 90.000 deg	-180.000 ... <u>0.000</u> ... 180.000 deg					
sial gial	<b>setINSAntLeverArm</b> <b>getINSAntLeverArm</b>	<i>X</i>	<i>Y</i>	<i>Z</i>						
		-100.000 ... <u>0.000</u> ... 100.000 m	-100.000 ... <u>0.000</u> ... 100.000 m	-100.000 ... <u>0.000</u> ... 100.000 m						
sinc ginc	<b>setINSNavConfig</b> <b>getINSNavConfig</b>	<i>Mode</i>	<i>OutputType</i>	<i>OutputLocation</i>						
		off <u>on</u>	none + PosStdDev + Att + AttStdDev + Vel + VelStdDev all	MainAnt <u>POI1</u>						
sipl gipl	<b>setINSPOILeverArm</b> <b>getINSPOILeverArm</b>	<i>Option</i> <i>Option</i>	<i>X</i>	<i>Y</i>	<i>Z</i>					
		+ POI1 all	-100.000 ... <u>0.000</u> ... 100.000 m	-100.000 ... <u>0.000</u> ... 100.000 m	-100.000 ... <u>0.000</u> ... 100.000 m					
sism gism	<b>setINSStdDevMask</b> <b>getINSStdDevMask</b>	<i>AttStdDev</i>	<i>PosStdDev</i>							
		0.000 ... <u>2.000</u> ... 5.000 deg	0.000 ... 100.000 m							
lif	<b>lstInternalFile</b>	<i>File</i>								
		Permissions Identification Debug Error SisError DiffCorrError ExtSensorError SetupError IPPParameters RxMessages								
sim gim	<b>setlonosphereModel</b> <b>getlonosphereModel</b>	<i>Model</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		<u>auto</u> off Klobuchar SBAS MultiFreq KlobucharBeiDou								
sipf gipf	<b>setIPFiltering</b> <b>getIPFiltering</b>	Mode	AddrList (200)							
		off on								
sipp gipp	<b>setIPPortSettings</b> <b>getIPPortSettings</b>	Command	FTPControl							
		1 ... 28784 ... 65535	1 ... 21 ... 65535							
sirs girs	<b>setIPReceiveSettings</b> <b>getIPReceiveSettings</b>	<b>Cd</b> Cd	Port	Mode	TCPAddress (40)					
		+ IPR1 + IPR2 + IPR3 all	0 ... 65535	TCP2Way UDP	0.0.0.0					
sisss giss	<b>setIPServerSettings</b> <b>getIPServerSettings</b>	<b>Cd</b> Cd	Port	Mode	UDPAddress (200)					
		+ IPS1 + IPS2 + IPS3 + IPS4 + IPS5 all	0 ... 65535	TCP UDP TCP2Way	255.255.255.255					
sips gips	<b>setIPSettings</b> <b>getIPSettings</b>	Mode	IP (16)	Netmask (16)	Gateway (16)	Domain (63)	DNS1 (16)	DNS2 (16)		
		DHCP Static	0.0.0.0	255.255.255.0	0.0.0.0		0.0.0.0	0.0.0.0		
slco glco	<b>setLocalCoordOperation</b> <b>getLocalCoordOperation</b>	OpName (100)	ENHTransfo							
		NETWORK	none lt1							
llc	<b>lstLocalCoordOperations</b>	Operation								
		Overview								
login	<b>Login</b>	UserName (16)	Password (32)							
logout	<b>LogOut</b>									
smv gmv	<b>setMagneticVariance</b> <b>getMagneticVariance</b>	Mode	Variance							
		auto manual	-180.0 ... 0.0 ... 180.0 deg							
emd gmd	<b>exeManageDisk</b> <b>getManageDisk</b>	Disk	Action							
		DSK1	Unmount Mount Format							
smp gmp	<b>setMarkerParameters</b> <b>getMarkerParameters</b>	MarkerName (60)	MarkerNumber (	MarkerType (20)						
		SEPT	Unknown	Unknown						
smrf gmrf	<b>setMeas3MaxRefInterval</b> <b>getMeas3MaxRefInterval</b>	MaxIntrvl								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		OnlyRef msec500 sec1 sec5 sec10 sec30 sec60								
lmd	<b>lstmibDescription</b>	<b>File (255)</b>								
		Overview SBFTable								
smm gmm	<b>setMultipathMitigation</b> <b>getMultipathMitigation</b>	<b>Code</b>	<b>Carrier</b>							
		off on	off on							
snrc gnrc	<b>setNetworkRTKConfig</b> <b>getNetworkRTKConfig</b>	<b>NetworkType</b>								
		auto VRS								
enoc gnoc	<b>exeNMEAOnce</b> <b>getNMEAOnce</b>	<b>Cd</b>	<b>Messages</b>							
		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3	+ GGA + GLL + GNS + GST + HDT + RMC + VTG + ZDA + HRP + THS + PASHR							
sno gno	<b>setNMEAOutput</b> <b>getNMEAOutput</b>	<b>Stream</b> <i>Stream</i>	<b>Cd</b>	<b>Messages</b>	<b>Interval</b>					
		+ Stream1 ... Stream10 all	none DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3	none + GGA + GLL + GNS + GST + HDT + RMC + VTG + ZDA + HRP + THS + PASHR	off OnChange msec5 msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
snp gnp	<b>setNMEAPrecision</b> <b>getNMEAPrecision</b>	<i>NrExtraDigits</i>	<i>Compatibility</i>	<i>LocalDatum</i>	<i>MinStdDev</i>					
		0 ... 2 ... 3	Nominal Mode1 Mode2	off only	0.000 ... 0.001 ... 1.000 m					
snti gnti	<b>setNMEATalkerID</b> <b>getNMEATalkerID</b>	<i>TalkerID</i>								
		<u>auto</u> GP								
snv gnv	<b>setNMEAVersion</b> <b>getNMEAVersion</b>	<i>Version</i>								
		<u>v3x</u> v4x								
snf gnf	<b>setNotchFiltering</b> <b>getNotchFiltering</b>	<b>Notch</b> <i>Notch</i>	<i>Mode</i>	<i>CenterFreq</i>	<i>Bandwidth</i>	<i>Antenna</i>				
		+ Notch1 + Notch2 + Notch3 all	auto off manual	1100.000 ... 1700.000 MHz	30 ... 1600 kHz	<u>Main</u> Aux1				
snts gnfs	<b>setNtripSettings</b> <b>getNtripSettings</b>	<b>Cd</b> <i>Cd</i>	<i>Mode</i>	<i>Caster (40)</i>	<i>Port</i>	<i>UserName (20)</i>	<i>Password (40)</i>	<i>MountPoint (32)</i>	<i>Version</i>	<i>SendGGA</i>
		+ NTR1 + NTR2 + NTR3 all	off Client		0 ... 2101 ... 65535				v1 v2	<u>auto</u> off sec1 sec5 sec10 sec60
Inst	<b>IstNTRIPSourceTable</b>	<b>Caster (40)</b>	<i>Port</i>							
			0 ... 2101 ... 65535							
soc goc	<b>setObserverComment</b> <b>getObserverComment</b>	<i>Comment (120)</i>								
		<u>Unknown</u>								
sop gop	<b>setObserverParameters</b> <b>getObserverParameters</b>	<i>Observer (20)</i>	<i>Agency (40)</i>							
		<u>Unknown</u>	<u>Unknown</u>							
spe gpe	<b>setPeriodicEcho</b> <b>getPeriodicEcho</b>	<b>Cd</b> <i>Cd</i>	<i>Message (201)</i>	<i>Interval</i>						
		+ COM1 + COM2 + COM3 + COM4 all	A:Unknown	off once msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60						
spfw gpfw	<b>setPortFirewall</b> <b>getPortFirewall</b>	<b>Interface</b> <i>Interface</i>	<i>OpenPorts</i>	<i>PortList (100)</i>						
		+ Ethernet all	none <u>default</u> all PortList							



Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
epwm gpwm	<b>exePowerMode</b> <b>getPowerMode</b>	<b>Mode</b>								
		ScheduledSleep StandBy								
spm gpm	<b>setPVTMode</b> <b>getPVTMode</b>	<b>Mode</b>	<b>RoverMode</b>							
		<u>Rover</u>	+ <u>StandAlone</u> + <u>SBAS</u> + <u>DGPS</u> + <u>RTKFloat</u> + <u>RTKFixed</u> + <u>RTK</u> all							
srl grl	<b>setRAIMLevels</b> <b>getRAIMLevels</b>	<b>Mode</b>	<b>Pfa</b>	<b>Pmd</b>	<b>Reliability</b>					
		off <u>on</u>	-12 ... <u>4</u> ... -1	-12 ... <u>4</u> ... -1	-12 ... <u>3</u> ... -1					
grc	<b>getReceiverCapabilities</b>									
srd grd	<b>setReceiverDynamics</b> <b>getReceiverDynamics</b>	<b>Level</b>	<b>Motion</b>							
		Max High <u>Moderate</u> Low	<u>Automotive</u> UAV							
gri	<b>getReceiverInterface</b>	<b>Item</b>								
		+ RxName + SNMPLanguage + SNMPVersion all								
lrf	<b>lstRecordedFile</b>	<b>Disk</b>	<b>FileName (60)</b>							
		DSK1								
era gra	<b>exeRegisteredApplications</b> <b>getRegisteredApplications</b>	<b>Cd</b> <b>Cd</b>	<b>Application (12)</b>							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 all	<u>Unknown</u>							
erf grf	<b>exeRemoveFile</b> <b>getRemoveFile</b>	<b>Disk</b>	<b>FileName (60)</b>							
		DSK1	<u>none</u> all							
ernf grnf	<b>exeResetNavFilter</b> <b>getResetNavFilter</b>	<b>Level</b>								
		+ <u>PVT</u> + <u>AmbRTK</u> + <u>ExtSensorInt</u> + <u>GNSSAttitude</u> + <u>AmbGNSSAttitud</u> all								
erst grst	<b>exeResetReceiver</b> <b>getResetReceiver</b>	<b>Level</b>	<b>EraseMemory</b>							

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		Soft Hard Upgrade	<u>none</u> + Config + PVTData + SatData + BaseStations + IMUData + HTTPSCertificate all							
sr2c gr2c	<b>setRTCMv2Compatibility</b> <b>getRTCMv2Compatibility</b>	<i>PRCType</i>	<i>GLOToD</i>	<i>RTKVersion</i>						
		<u>Standard</u> GroupDelay	<u>Tk</u> <u>Tb</u>	<u>v2.1</u> <u>v2.2orLater</u>						
sr2u gr2u	<b>setRTCMv2Usage</b> <b>getRTCMv2Usage</b>	<i>MsgUsage</i>								
		none + <u>RTCM1</u> + <u>RTCM3</u> + <u>RTCM9</u> + <u>RTCM15</u> + <u>RTCM18 19</u> + <u>RTCM20 21</u> + <u>RTCM22</u> + <u>RTCM23 24</u> + <u>RTCM31</u> + <u>RTCM32</u> + <u>RTCM17</u> + <u>RTCM59</u> all								
sr3t gr3t	<b>setRTCMv3CRSTransfo</b> <b>getRTCMv3CRSTransfo</b>	<i>Mode</i>	<i>TargetName (32)</i>							
		<u>auto</u> manual								
sr3u gr3u	<b>setRTCMv3Usage</b> <b>getRTCMv3Usage</b>	<i>MsgUsage</i>								
		none + <u>RTCM1001 ...</u> <u>RTCM1013</u> + <u>RTCM1015</u> + <u>RTCM1016</u> + <u>RTCM1017</u> + <u>RTCM1019 ...</u> <u>RTCM1027</u> + <u>RTCM1033</u> + <u>RTCM1037</u> + <u>RTCM1038</u> + <u>RTCM1039</u> + <u>RTCM1071 ...</u> <u>RTCM1077</u> + <u>RTCM1081 ...</u> <u>RTCM1087</u> + <u>RTCM1091 ...</u> <u>RTCM1097</u> + <u>RTCM1121 ...</u> <u>RTCM1127</u> + <u>RTCM1029</u> + <u>RTCM1230</u> + <u>MSM1</u> + <u>MSM2</u> + <u>MSM3</u> + <u>MSM4</u> + <u>MSM5</u> + <u>MSM6</u> + <u>MSM7</u> all								
sst gst	<b>setSatelliteTracking</b> <b>getSatelliteTracking</b>	<i>Satellite</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none + G01 ... G32 + R01 ... R30 + E01 ... E36 + S120 ... S158 + C01 ... C37 + J01 ... J07 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS all								
ssu gsu	<b>setSatelliteUsage</b> <b>getSatelliteUsage</b>	Satellite								
		none + G01 ... G32 + R01 ... R24 + R25 + R26 + R27 + R28 + R29 + R30 + E01 ... E36 + S120 ... S158 + C01 ... C37 + GPS + GLONASS + GALILEO + SBAS + BEIDOU all								
ssbc gsbc	<b>setSBASCorrections</b> <b>getSBASCorrections</b>	Satellite	SISMode	NavMode	DO229Version					
		auto EGNOS WAAS MSAS GAGAN SDCM S120 ... S158	Test Operational	MixedSystems	auto DO229C					
ssgp gsgp	<b>setSBFGroups</b> <b>getSBFGroups</b>	Group Group	Messages							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ Group1 + Group2 + Group3 + Group4 all	none [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTExtra + Attitude + Time + Events + DiffCorr + ExtSensors + Status + PostProcess + Rinex + RinexMeas3 + Support							
esoc gsoc	exeSBFOnce getSBFOnce	<i>Cd</i>	<i>Messages</i>							
		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3	[SBF List] + Measurements + Meas3 + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTExtra + Attitude + Time + ExtSensors + Status + UserGroups + PostProcess + Rinex + RinexMeas3 + Support							
ss0 gso	setSBFOutput getSBFOutput	<i>Stream</i> <i>Stream</i>	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ Stream1 ... Stream10 + Res1 + Res2 + Res3 + Res4 all	none DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3	none [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTEtra + Attitude + Time + Event + DiffCorr + ExtSensors + Status + UserGroups + PostProcess + Rinex + RinexMeas3 + Support	off OnChange msec5 msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snt gnt	<b>setSignalTracking</b> <b>getSignalTracking</b>	<i>Signal</i>								
		+ GPSL1CA + GPSL2PY + GPSL2C + GLOL1CA + GLOL2CA + GALL1BC + GALE5b + GEOL1 + BDSB1 + BDSB2 + QZSL1CA + QZSL2C + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS all								
snu gnu	<b>setSignalUsage</b> <b>getSignalUsage</b>	<i>PVT</i>	<i>NavData</i>							
		+ GPSL1CA + GPSL2PY + GPSL2C + GLOL1CA + GLOL2CA + GALL1BC + GALE5b + GEOL1 + BDSB1 + BDSB2 all	+ GPSL1CA + GPSL2PY + GPSL2C + GLOL1CA + GLOL2CA + GALL1BC + GALE5b + GEOL1 + BDSB1 + BDSB2 + QZSL1CA + QZSL2C all							
ssi gsi	<b>setSmoothingInterval</b> <b>getSmoothingInterval</b>	<i>Signal</i> <i>Signal</i>	<i>Interval</i>	<i>Alignment</i>						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1 +BDSB2 +QZSL1CA +QZSL2C all	0 ... 1000 s	0 ... 1000 s						
sts gts	setTimingSystem getTimingSystem	System								
		GST GPS BeiDou								
stm gtm	setTroposphereModel getTroposphereModel	ZenithModel	MappingModel							
		off Saastamoinen MOPS	Niell MOPS							
stp gtp	setTroposphereParameters getTroposphereParameters	Temperature	Pressure	Humidity						
		-100.0 ... 15.0 ... 100.0 degC	800.00 ... 1013.25 ... 1500.00 hPa	0 ... 50 ... 100 %						
suoc guoc	setUMSDOnConnect getUMSDOnConnect	Mode								
		off on								
sual gual	setUserAccessLevel getUserAccessLevel	UserID UserID	UserName (16)	Password (32)	UserLevel	SSHKey (232)				
		+ User1 ... User8 all			Viewer User					
sud gud	setUserDatum getUserDatum	Datum Datum	Tx	Ty	Tz	Rx	Ry	Rz	D	
		+ User1 + User2 all	-2000000.00 ... 0.00 ... 2000000.00 mm	-2000000.00 ... 0.00 ... 2000000.00 mm	-2000000.00 ... 0.00 ... 2000000.00 mm	-100.0000 ... 0.0000 ... 100.0000 mas	-100.0000 ... 0.0000 ... 100.0000 mas	-100.0000 ... 0.0000 ... 100.0000 mas	-100.00000 ... 0.00000 ... 100.00000 ppb	
sudv gudv	setUserDatumVel getUserDatumVel	Datum Datum	TxVel	TyVel	TzVel	RxVel	RyVel	RzVel	DVel	RefYear
		+ User1 + User2 all	-2000.00 ... 0.00 ... 2000.00 mm/yr	-2000.00 ... 0.00 ... 2000.00 mm/yr	-2000.00 ... 0.00 ... 2000.00 mm/yr	-10.0000 ... 0.0000 ... 10.0000 mas/yr	-10.0000 ... 0.0000 ... 10.0000 mas/yr	-10.0000 ... 0.0000 ... 10.0000 mas/yr	-1.00000 ... 0.00000 ... 1.00000 ppb/yr	1900.00 ... 2000.00 ... 2100.00 yr
sue gue	setUserEllipsoid getUserEllipsoid	Datum Datum	A	Invf						
		+ User1 + User2 all	6300000.000 ... 6378137.000 ... 6400000.000 m	290.000000000 ... 298.25722356 ... 305.000000000						
swui gwui	setWakeUpInterval getWakeUpInterval	WakeUpTime (30)	AwakeDuration	RepetitionPeriod						
		2000-01-01 00:00:00	0 ... 604800 s	0 ... 604800 s						
swbi gwbi	setWBIMitigation getWBIMitigation	Mode								
		off on								

## SBF List

ASCIIn	AttCovEuler	AttEuler
AuxAntPositions	BBSamples	BDSIon
BDSNav	BDSRaw	BDSUtc
BaseStation	BaseVectorCart	BaseVectorGeod
ChannelStatus	Commands	Comment
DOP	DiffCorrIn	DiskStatus
DynDNSStatus	EndOfAtt	EndOfMeas
EndOfPVT	ExtEvent	ExtEventINSNavCart
ExtEventINSNavGeod	ExtSensorInfo	ExtSensorMeas
ExtSensorStatus	GALAlm	GALGstGps
GALIon	GALNav	GALRawINAV
GALSARRLM	GALUtc	GEOAlm
GEOClockEphCovMatrix	GEODegrFactors	GEOFastCorr
GEOFastCorrDegr	GEOIGPMask	GEOIntegrity
GEOIonoDelay	GEOLongTermCorr	GEOMT00
GEONav	GEONetworkTime	GEOPRNMMask
GEORawL1	GEOServiceLevel	GLOAlm
GLONav	GLORawCA	GLOTime
GPSAlm	GPSIon	GPSNav
GPSRawCA	GPSRawL2C	GPSUtc
Group1	Group2	Group3
Group4	IMUSetup	INSNavCart
INSNavGeod	INSSupport	IPStatus
InputLink	Meas3CN0HiRes	Meas3Doppler
Meas3MP	Meas3PP	Meas3Ranges
MeasEpoch	MeasExtra	NTRIPClientStatus
OutputLink	PVTCartesian	PVTGeodetic
PVTSupport	PVTSupportA	PosCart
PosCovCartesian	PosCovGeodetic	PosLocal
PosProjected	PowerStatus	QZSNav
QZSRawL1CA	QZSRawL2C	QualityInd
RFStatus	RTCMDatum	ReceiverSetup
ReceiverStatus	ReceiverTime	RxMessage
SatVisibility	VelCovCartesian	VelCovGeodetic
xPPSOffset		