

# 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. Note that, depending on the options enabled on your receiver, some commands may not be supported.

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sam gam	<b>setAGCMode</b> <b>getAGCMode</b>	<b>Band</b> Band	Mode	Gain						
		+ L1 + L2 + L5 all	auto frozen manual	0 ... <u>35</u> ... 70 dB						
lai	<b>lstAntennaInfo</b>	<b>Antenna</b>								
		Overview Main Aux1 [antenna name]								
sat gat	<b>setAntennaType</b> <b>getAntennaType</b>	<b>Antenna</b> Antenna	Type (20)							
		+ Main + Aux1 all	<u>Unknown</u>							
sav gav	<b>setAntennaVoltage</b> <b>getAntennaVoltage</b>	Voltage								
		<u>volts3.3</u> volts5.0								
sto gto	<b>setAttitudeOffset</b> <b>getAttitudeOffset</b>	Heading	Pitch							
		-360.000 ... 0.000 ... 360.000 deg	-90.000 ... <u>0.000</u> ... 90.000 deg							
sbbs gbbs	<b>setBBSamplingMode</b> <b>getBBSamplingMode</b>	Mode								
		<u>BeforeIM</u> AfterIM								
sca gca	<b>setChannelAllocation</b> <b>getChannelAllocation</b>	<b>Channel</b> Channel	Satellite	Search	Doppler	Window				
		+ Ch01 ... Ch60 all	auto G01 ... G32 F01 ... F14 E01 ... E36 S120 ... S158 C01 ... C63 J01 ... J07	auto manual	-50000 ... <u>0</u> ... 50000 Hz	1 ... <u>16000</u> ... 100000 Hz				
scia gcia	<b>setCheckInternetAvailability</b> <b>getCheckInternetAvailability</b>	Mode								
		<u>off</u> on								
scst gcst	<b>setClockSyncThreshold</b> <b>getClockSyncThreshold</b>	Threshold								
		ClockSteering <u>usec500</u> msec1 msec2 msec3 msec4 msec5								
sc2u gc2u	<b>setCMRv2Usage</b> <b>getCMRv2Usage</b>	MsgUsage								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none +CMR0 +CMR1 +CMR2 +CMR3 +CMR0p +CMR0w all								
scm gcm	<b>setCN0Mask</b> <b>getCN0Mask</b>	<b>Signal</b> <i>Signal</i>	<i>Mask</i>							
		+GPSL1CA +Reserved2 +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C +QZSL5 all	0 ... 10 ... 60 dB-Hz							
help	<b>IstCommandHelp</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 all	baud1200 baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 <u>baud115200</u> baud230400	<u>bits8</u>	No	<u>bit1</u>	<u>none</u> RTS CTS			
lcf	<b>IstConfigFile</b>	<b>File</b>								
		Current Boot RxDefault User1 User2								
eccf gccf	<b>exeCopyConfigFile</b> <b>getCopyConfigFile</b>	<b>Source</b>	<b>Target</b>							
		<u>Current</u> Boot User1 User2 RxDefault	<u>Current</u> Boot User1 User2							
scda gcda	<b>setCrossDomainWebAccess</b> <b>getCrossDomainWebAccess</b>	<b>Mode</b>								
		off on								
lcu	<b>IstCurrentUser</b>									

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sdc gdc	<b>setDaisyChainMode</b> <b>getDaisyChainMode</b>	<b>DC</b> DC	<i>Mode</i>							
		+ DC1 + DC2 all	Raw ASCII							
sdio gdio	<b>setDataInOut</b> <b>getDataInOut</b>	<b>Cd</b> Cd	<i>Input</i>	<i>Output</i>	<i>Show</i>					
		+ DSK1 + COM1 + COM2 + COM3 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 + IPR4 + IPR5 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 NMEA ASCIIIN auto	none + <b>SBF</b> + <b>NMEA</b> + ASCIIIDisplay + DC1 + DC2 + Encapsulate	(off) (on) (waiting)					
sdal gdal	<b>setDefaultAccessLevel</b> <b>getDefaultAccessLevel</b>	<i>Web</i>	<i>FileTransfer</i>	<i>Ip</i>	<i>Com</i>	<i>Usb</i>				
		none Viewer User	none Viewer User	none Viewer User	none Viewer User	none Viewer User				
sdca gdca	<b>setDiffCorrMaxAge</b> <b>getDiffCorrMaxAge</b>	<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 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>					
		LowLatency	0.1 ... 3600.0 s	auto manual	0 ... 4095					
sdfa gdfa	<b>setDiskFullAction</b> <b>getDiskFullAction</b>	<b>Disk</b> Disk	<i>Action</i>							
		+ DSK1 all	DeleteOldest StopLogging							
ldi	<b>IstDiskInfo</b>	<b>Disk</b>	<b>Directory (60)</b>							
		DSK1 all								
sdgs gdgs	<b>setDynamicDNS</b> <b>getDynamicDNS</b>	<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 Ethernet				
ecm 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 USB1 USB2 IP10 ... IP17 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5 DC1 DC2	A:Unknown	none + CR + LF all						
sem gem	<b>setElevationMask</b> <b>getElevationMask</b>	<b>Engine</b> Engine	Mask							
		+ Tracking + PVT all	-90 ... 0 ... 90 deg							
smth gmth	<b>setENHTransfoHorizontal</b> <b>getENHTransfoHorizontal</b>	<b>TransfoID</b> 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	<b>setENHTransfoVertical</b> <b>getENHTransfoVertical</b>	<b>TransfoID</b> 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	<b>setEthernetMode</b> <b>getEthernetMode</b>	Enable								
		off on								
sep gep	<b>setEventParameters</b> <b>getEventParameters</b>	<b>Event</b> Event	Polarity							
		+ EventA + EventB all	Low2High High2Low							
sfn gfn	<b>setFileNaming</b> <b>getFileNaming</b>	<b>Cd</b> Cd	NamingType	FileName (20)						
		+ DSK1 all	FileName Incremental IGS15M IGS1H IGS6H IGS24H	log						
sfm gfm	<b>setFrontendMode</b> <b>getFrontendMode</b>	Mode								
		Nominal SingleAnt								
efup gfup	<b>exeFTPUpgrade</b> <b>getFTPUpgrade</b>	<b>Server (32)</b>	<b>Path (64)</b>	<b>Login (12)</b>	<b>Password (24)</b>					
				anonymous						
sgd ggd	<b>setGeodeticDatum</b> <b>getGeodeticDatum</b>	TargetDatum								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 Default User1 User2								
sgu ggu	<b>setGeoidUndulation</b> <b>getGeoidUndulation</b>	<i>Mode</i>	<i>Undulation</i>							
		auto manual	-250.000 ... 0.000 ... 250.000 m							
sfno gfno	<b>setGlobalFileNamingOptions</b> <b>getGlobalFileNamingOptions</b>	<i>BusyTag</i>								
		off on								
sga gga	<b>setGNSSAttitude</b> <b>getGNSSAttitude</b>	<i>Source</i>								
		none MultiAntenna								
sgpf gppf	<b>setGPIOFunctionality</b> <b>getGPIOFunctionality</b>	<b>GPPin</b> <i>GPPin</i>	<i>Mode</i>	<i>Input</i>	<i>Output</i>					
		+ GP1 + GP2 all	<i>Output</i>	none	LevelLow LevelHigh					
shm ghm	<b>setHealthMask</b> <b>getHealthMask</b>	<b>Engine</b> <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	off on							
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 ... 0.000 ... 180.000 deg	-90.000 ... 0.000 ... 90.000 deg	-180.000 ... 0.000 ... 180.000 deg					
sial gial	<b>setINSAntLeverArm</b> <b>getINSAntLeverArm</b>	X	Y	Z						
		-100.000 ... 0.000 ... 100.000 m	-100.000 ... 0.000 ... 100.000 m	-100.000 ... 0.000 ... 100.000 m						
siih giih	<b>setINSInitialHeading</b> <b>getINSInitialHeading</b>	<i>Mode</i>								
		auto stored								
sinc ginc	<b>setINSNavConfig</b> <b>getINSNavConfig</b>	<i>Mode</i>	<i>OutputType</i>	<i>OutputLocation</i>						
		off on	none + PosStdDev + Att + AttStdDev + Vel + VelStdDev all	MainAnt POI1						
sipl gipl	<b>setINSPOILeverArm</b> <b>getINSPOILeverArm</b>	<b>POI</b> <i>POI</i>	X	Y	Z					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+POI1 all	-100.000 ... 0.000 ... 100.000 m	-100.000 ... 0.000 ... 100.000 m	-100.000 ... 0.000 ... 100.000 m					
sism gism	<b>setINSStdDevMask</b> <b>getINSStdDevMask</b>	<i>AttStdDev</i>	<i>PosStdDev</i>							
		0.000 ... 2.000 ... 5.000 deg	0.000 ... 100.000 m							
sivl givl	<b>setINSVelSensorLeverArm</b> <b>getINSVelSensorLeverArm</b>	<i>SensorId</i> <i>SensorId</i>	X	Y	Z					
		+VSM1 all	-100.000 ... 0.000 ... 100.000 m	-100.000 ... 0.000 ... 100.000 m	-100.000 ... 0.000 ... 100.000 m					
lif	<b>IstInternalFile</b>	<b>File</b>								
		Permissions Identification Debug Error SisError DiffCorrError ExtSensorError SetupError IPParameters RxMessages								
sim gim	<b>setlonosphereModel</b> <b>getlonosphereModel</b>	<i>Model</i>								
		auto off Klobuchar SBAS MultiFreq KlobucharBeiDou								
sipf gipf	<b>setIPFiltering</b> <b>getIPFiltering</b>	<i>Mode</i>	<i>AddrList (200)</i>							
		off on								
sipp gipp	<b>setIPPortSettings</b> <b>getIPPortSettings</b>	<i>Command</i>	<i>FTPControl</i>							
		1 ... 28784 ... 65535	1 ... 21 ... 65535							
sirs girs	<b>setIPReceiveSettings</b> <b>getIPReceiveSettings</b>	<i>Cd</i> <i>Cd</i>	<i>Port</i>	<i>Mode</i>	<i>TCPAddress (40)</i>					
		+IPR1 +IPR2 +IPR3 +IPR4 +IPR5 all	0 ... 65535	TCP2Way UDP	0.0.0.0					
sisss giss	<b>setIPServerSettings</b> <b>getIPServerSettings</b>	<i>Cd</i> <i>Cd</i>	<i>Port</i>	<i>Mode</i>	<i>UDPAddress (200)</i>					
		+IPS1 +IPS2 +IPS3 +IPS4 +IPS5 all	0 ... 65535	TCP UDP TCP2Way	255.255.255.255					
sips gips	<b>setIPSettings</b> <b>getIPSettings</b>	<i>Mode</i>	<i>IP (16)</i>	<i>Netmask (16)</i>	<i>Gateway (16)</i>	<i>Domain (63)</i>	<i>DNS1 (16)</i>	<i>DNS2 (16)</i>	<i>MTU</i>	
		DHCP Static	0.0.0.0	255.255.255.0	0.0.0.0		0.0.0.0	0.0.0.0	0 ... 1500	
sico glco	<b>setLocalCoordOperation</b> <b>getLocalCoordOperation</b>	<i>OpName (100)</i>	<i>ENHTransfo</i>							
		NETWORK	none lt1							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
llc	IstLocalCoordOperations	<b>Operation</b>								
		Overview								
login	<b>Login</b>	<i>UserName (16)</i>	<i>Password (32)</i>							
logout	<b>LogOut</b>									
smv gmv	<b>setMagneticVariance</b> <b>getMagneticVariance</b>	<i>Mode</i>	<i>Variation</i>							
		auto manual	-180.0 ... 0.0 ... 180.0 deg							
emd gmd	<b>exeManageDisk</b> <b>getManageDisk</b>	<b>Disk</b>	<b>Action</b>							
		DSK1	Unmount Mount Format							
smp gmp	<b>setMarkerParameters</b> <b>getMarkerParameters</b>	<i>MarkerName (60)</i>	<i>MarkerNumber (</i>	<i>MarkerType (20)</i>						
		SEPT	Unknown	Unknown						
smrf gmrf	<b>setMeas3MaxRefInterval</b> <b>getMeas3MaxRefInterval</b>	<i>MaxIntrvl</i>								
		OnlyRef msec500 sec1 sec5 sec10 sec30 sec60								
lmd	<b>IstMIBDescription</b>	<b>File (255)</b>								
		Overview SBFTable								
smm gmm	<b>setMultipathMitigation</b> <b>getMultipathMitigation</b>	<i>Code</i>	<i>Carrier</i>							
		off on	off on							
sncr gnrc	<b>setNetworkRTKConfig</b> <b>getNetworkRTKConfig</b>	<i>NetworkType</i>								
		auto VRS								
enoc gnoc	<b>exeNMEAOnce</b> <b>getNMEAOnce</b>	<b>Cd</b>	<b>Messages</b>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		DSK1 <u>COM1</u> COM2 COM3 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	+ GGA + GLL + <u>GNS</u> + GST + HDT + RMC + VTG + ZDA + HRP + THS + PASHR							
sno gno	<b>setNMEAOutput</b> <b>getNMEAOutput</b>	<b>Stream</b> Stream	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					
		+ Stream1 ... Stream10 all	<i>none</i> DSK1 COM1 COM2 COM3 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	<i>none</i> + GGA + GLL + GNS + GST + HDT + RMC + VTG + ZDA + HRP + THS + PASHR	<i>off</i> OnChange msec5 msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
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	<i>off</i> 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>								
		v3x v4x								
snf gnf	<b>setNotchFiltering</b> <b>getNotchFiltering</b>	<b>Notch</b> Notch	<i>Mode</i>	<i>CenterFreq</i>	<i>Bandwidth</i>					
		+ Notch1 + Notch2 + Notch3 all	<u>auto</u> off manual	1100.000 ... 1700.000 MHz	30 ... 1600 kHz					



Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
snts gnts	<b>setNtripSettings</b> <b>getNtripSettings</b>	<i>Cd</i> <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	auto off sec1 sec5 sec10 sec60
Inst	<b>IstNTRIPSourceTable</b>	<i>Caster (40)</i>	<i>Port</i>							
			0...2101 ...65535							
sntt gntt	<b>setNtripTlsSettings</b> <b>getNtripTlsSettings</b>	<i>Cd</i> <i>Cd</i>	<i>Enable</i>	<i>Fingerprint (96)</i>						
		+NTR1 +NTR2 +NTR3 all	off on							
soc goc	<b>setObserverComment</b> <b>getObserverComment</b>	<i>Comment (120)</i>								
		Unknown								
sop gop	<b>setObserverParameters</b> <b>getObserverParameters</b>	<i>Observer (20)</i>	<i>Agency (40)</i>							
		Unknown	Unknown							
spe gpe	<b>setPeriodicEcho</b> <b>getPeriodicEcho</b>	<i>Cd</i> <i>Cd</i>	<i>Message (201)</i>	<i>Interval</i>						
		+COM1 +COM2 +COM3 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>	<i>Interface</i> <i>Interface</i>	<i>OpenPorts</i>	<i>PortList (100)</i>						
		+ Ethernet all	none default all PortList							
epwm gpwm	<b>exePowerMode</b> <b>getPowerMode</b>	<i>Mode</i>								
		ScheduledSleep StandBy								
spps gpps	<b>setPPSPParameters</b> <b>getPPSPParameters</b>	<i>Interval</i>	<i>Polarity</i>	<i>Delay</i>	<i>TimeScale</i>	<i>MaxSyncAge</i>	<i>PulseWidth</i>			

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		off msec10 msec20 msec50 msec100 msec200 msec250 msec500 sec1 sec2 sec5 sec10	Low2High High2Low	-1000000.00 ... 0.00 ... 1000000.00 ns	TimeSys UTC RxClock GLONASS	0 ... 3600 s	0.001 ... 5.000 ... 1000.000 ms			
spm gpm	setPVTMode getPVTMode	Mode	RoverMode							
		Rover	+ StandAlone + SBAS + DGPS + RTKFloat + RTKFixed + RTK all							
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	Automotive UAV							
gri	getReceiverInterface	Item								
		+ RxName + SNMPLanguage + SNMPVersion all								
lrf	lstRecordedFile	Disk	FileName (60)							
		DSK1								
era gra	exeRegisteredApplications getRegisteredApplications	Cd Cd	Application (12)							
		+ COM1 + COM2 + COM3 + USB1 + USB2 + IP10 ... IP17 all	Unknown							
erf grf	exeRemoveFile getRemoveFile	Disk	FileName (200)							
		DSK1	none all							
ernf grnf	exeResetNavFilter getResetNavFilter	Level								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ <u>PVT</u> + <u>AmbRTK</u> + <u>ExtSensorInt</u> + <u>GNSSAttitude</u> + <u>AmbGNSSAttitude</u> all								
erst grst	<b>exeResetReceiver</b> <b>getResetReceiver</b>	<i>Level</i>	<i>EraseMemory</i>							
		Soft <u>Hard</u> Upgrade	<u>none</u> + Config + PVTData + SatData + IMUData + <u>HTTPSCertificate</u> 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>	v2.1 <u>v2.2orLater</u>						
sr2u gr2u	<b>setRTCMv2Usage</b> <b>getRTCMv2Usage</b>	<i>MsgUsage</i>								
		<u>none</u> + <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>RTCM34</u> + <u>RTCM17</u> + <u>RTCM59</u> all								
sr3t gr3t	<b>setRTCMv3CRSTransfo</b> <b>getRTCMv3CRSTransfo</b>	<i>Mode</i>	<i>TargetName (32)</i>							
		auto manual								
sr3u gr3u	<b>setRTCMv3Usage</b> <b>getRTCMv3Usage</b>	<i>MsgUsage</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none + RTCM1001 ... RTCM1013 + RTCM1015 + RTCM1016 + RTCM1017 + RTCM1019 ... RTCM1027 + RTCM1029 + RTCM1033 + RTCM1037 + RTCM1038 + RTCM1039 + RTCM1042 + RTCM1044 + RTCM1045 + RTCM1046 + RTCM1071 ... RTCM1077 + RTCM1081 ... RTCM1087 + RTCM1091 ... RTCM1097 + RTCM1121 ... RTCM1127 + RTCM1230 + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 all								
sst gst	<b>setSatelliteTracking</b> <b>getSatelliteTracking</b>	<i>Satellite</i>								
		none + G01 ... G32 + R01 ... R30 + E01 ... E36 + S120 ... S158 + C01 ... C37 + C38 ... C63 + J01 ... J07 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS all								
ssu gsu	<b>setSatelliteUsage</b> <b>getSatelliteUsage</b>	<i>Satellite</i>								
		none + G01 ... G32 + R01 ... R24 + R25 + R26 + R27 + R28 + R29 + R30 + R30 + E01 ... E36 + S120 ... S158 + C01 ... C63 + GPS + GLONASS + GALILEO + SBAS + BEIDOU all								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
ssbc gsbc	<b>setSBASCorrections</b> <b>getSBASCorrections</b>	<i>Satellite</i>	<i>SISMode</i>	<i>NavMode</i>	<i>DO229Version</i>					
		auto EGNOS WAAS MSAS GAGAN SDCM S120 ... S158	Test Operational	MixedSystems	auto DO229C					
ssgp gsgp	<b>setSBFGroups</b> <b>getSBFGroups</b>	<b>Group</b> <i>Group</i>	<i>Messages</i>							
		+ 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	<b>exeSBFOnce</b> <b>getSBFOnce</b>	<b>Cd</b>	<b>Messages</b>							
		DSK1 COM1 COM2 COM3 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	[SBF List] + Measurements + Meas3 + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTExtra + Attitude + Time + ExtSensors + Status + UserGroups + PostProcess + Rinex + RinexMeas3 + Support							
sso gso	<b>setSBFOutput</b> <b>getSBFOutput</b>	<b>Stream</b> <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 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	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 +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C +QZSL5 +GPS +GLONASS +GALILEO +SBAS +BEIDOU +QZSS all								
snu gnu	<b>setSignalUsage</b> <b>getSignalUsage</b>	<i>PVT</i>	<i>NavData</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I all	+GPSL1CA +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C +QZSL5 all							
ssi gsi	<b>setSmoothingInterval</b> <b>getSmoothingInterval</b>	<b>Signal</b> <i>Signal</i>	<i>Interval</i>	<i>Alignment</i>						
		+GPSL1CA +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C +QZSL5 all	0 ... 1000 s	0 ... 1000 s						
sts gts	<b>setTimingSystem</b> <b>getTimingSystem</b>	<i>System</i>								
		GST GPS BeiDou								
stm gtm	<b>setTroposphereModel</b> <b>getTroposphereModel</b>	<i>ZenithModel</i>	<i>MappingModel</i>							
		off Saastamoinen MOPS	Niell MOPS							
stp gtp	<b>setTroposphereParameters</b> <b>getTroposphereParameters</b>	<i>Temperature</i>	<i>Pressure</i>	<i>Humidity</i>						
		-100.0 ... 15.0 ... 100.0 degC	800.00 ... 1013.25 ... 1500.00 hPa	0 ... 50 ... 100 %						
suoc guoc	<b>setUMSDOnConnect</b> <b>getUMSDOnConnect</b>	<i>Mode</i>								
		off on								
sual gual	<b>setUserAccessLevel</b> <b>getUserAccessLevel</b>	<b>UserID</b> <i>UserID</i>	<i>UserName (16)</i>	<i>Password (32)</i>	<i>UserLevel</i>	<i>SSHKey (232)</i>				
		+User1 ... User8 all			Viewer <u>User</u>					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sud gud	<b>setUserDatum</b> <b>getUserDatum</b>	<i>Datum</i> <i>Datum</i>	<i>Tx</i>	<i>Ty</i>	<i>Tz</i>	<i>Rx</i>	<i>Ry</i>	<i>Rz</i>	<i>D</i>	
		+ 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	<b>setUserDatumVel</b> <b>getUserDatumVel</b>	<i>Datum</i> <i>Datum</i>	<i>TxVel</i>	<i>TyVel</i>	<i>TzVel</i>	<i>RxVel</i>	<i>RyVel</i>	<i>RzVel</i>	<i>DVel</i>	<i>RefYear</i>
		+ 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	<b>setUserEllipsoid</b> <b>getUserEllipsoid</b>	<i>Datum</i> <i>Datum</i>	<i>A</i>	<i>Invf</i>						
		+ User1 + User2 all	6300000.000 ... 6378137.000 ... 6400000.000 m	290.000000000 ... 298.25722356 ... 305.000000000						
swui gwui	<b>setWakeUpInterval</b> <b>getWakeUpInterval</b>	<i>WakeUpTime (30</i>	<i>AwakeDuration</i>	<i>RepetitionPeriod</i>						
		2000-01-01 00:00:00	0 ... 604800 s	0 ... 604800 s						
swbi gwbi	<b>setWBIMitigation</b> <b>getWBIMitigation</b>	<i>Mode</i>								
		off on								



## SBF List

ASCIIn	AttCovEuler	AttEuler
AuxAntPositions	BBSamples	BDSAIm
BDSIon	BDSNav	BDSRaw
BDSUtc	BaseStation	BaseVectorCart
BaseVectorGeod	ChannelStatus	Commands
Comment	DOP	DiffCorrIn
DiskStatus	DynDNSStatus	EndOfAtt
EndOfMeas	EndOfPVT	ExtEvent
ExtEventINSNavCart	ExtEventINSNavGeod	ExtSensorInfo
ExtSensorMeas	ExtSensorStatus	GALAIm
GALGstGps	GALIon	GALNav
GALRawFNAV	GALRawINAV	GALSARRLM
GALUtc	GEOAIm	GEOClockEphCovMatrix
GEODegrFactors	GEOFastCorr	GEOFastCorrDegr
GEOIGPMask	GEOIntegrity	GEOIonoDelay
GEOLongTermCorr	GEOMT00	GEONav
GEONetworkTime	GEOPRNMask	GEORawL1
GEORawL5	GEOServiceLevel	GLOAIm
GLONav	GLORawCA	GLOTime
GPSAIm	GPSIon	GPSNav
GPSRawCA	GPSRawL2C	GPSRawL5
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
QZSAIm	QZSNav	QZSRawL1CA
QZSRawL2C	QZSRawL5	QualityInd
RFStatus	RTCMDatum	ReceiverSetup
ReceiverStatus	ReceiverTime	RxMessage
SatVisibility	VelCovCartesian	VelCovGeodetic
VelSensorSetup	xPPSOffset	