

# 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
eawa gawa	<b>exeAddWiFiAccessPoint</b> <b>getAddWiFiAccessPoint</b>	<b>SSID (32)</b>	<b>Key (40)</b>							
sam gam	<b>setAGCMode</b> <b>getAGCMode</b>	<b>Band</b> <i>Band</i>	<i>Mode</i>	<i>Gain</i>						
		+ L1 + L2L5 + E6 all	auto frozen manual	0 ... <u>35</u> ... 70 dB						
lai	<b>IstAntennaInfo</b>	<b>Antenna</b>								
		Overview Main [antenna name]								
sao gao	<b>setAntennaOffset</b> <b>getAntennaOffset</b>	<b>Antenna</b> <i>Antenna</i>	<i>DeltaE</i>	<i>DeltaN</i>	<i>DeltaU</i>	<i>Type (20)</i>	<i>SerialNr (20)</i>	<i>SetupID</i>		
		+ Main all	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	<u>Unknown</u>	<u>Unknown</u>	0 ... 255		
lal	<b>IstAuthorizationLinkCloudIt</b>	<b>Server</b>								
		+ Cloud1 + Cloud2 Cloud8 all	...							
sbbs gbbs	<b>setBBSamplingMode</b> <b>getBBSamplingMode</b>	<i>Mode</i>								
		BeforeIM AfterIM								
sbcI gbci	<b>setBINEXCloudIt</b> <b>getBINEXCloudIt</b>	<b>Cd</b> <i>Cd</i>	<i>Server</i>	<i>Path (64)</i>	<i>Retry</i>					
		+ LOG1 ... LOG8 all	off Cloud1 Cloud8	...	off min15 min30 hour1 hour6 day1					
sbfm gbfm	<b>setBINEXFormatting</b> <b>getBINEXFormatting</b>	<i>ObsSignals</i>	<i>ExtraObsTypes</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL1P +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL1C +QZSL1S +QZSL5S +NAVICL5 +GPS +GLONASS +GALILEO +SBAS +BEIDOU +QZSS +NAVIC all	none +Doppler							
sbfp gbfp	setBINEXFTP getBINEXFTP	Cd Cd	Enable	Server (40)	Path (64)	User (20)	Password (40)	FTPPort	RetryIntrvl	
		+LOG1 ... LOG8 all	off on			anonymous		1 ... 21 ...65535	off min15 min30 hour1 hour6 day1	
sbfp gbfp	setBINEXLoggingParameters getBINEXLoggingParameters	Cd Cd	Duration	Compression						
		+LOG1 ... LOG8 all	min15 hour1 hour6 hour24	off on						
ebio gbio	exeBINEXOnce getBINEXOnce	Cd	Messages							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 LOG1 ... LOG8	+ Rec00 + Rec0101 + Rec0102 + Rec0103 + Rec0105 + Rec0106 + Rec0107 + Rec0114 + Rec05Geod + Rec7D00 + Rec7F05 + Rec01Nav							
sbo gbo	setBINEXOutput getBINEXOutput	<i>Stream</i> <i>Stream</i>	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					
		+ Stream1 ... Stream16 all	none COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 LOG1 ... LOG8	none + Rec00 + Rec0101 + Rec0102 + Rec0103 + Rec0105 + Rec0106 + Rec0107 + Rec0114 + Rec0141 ... Rec0147 + Rec05Geod + Rec7D00 + Rec7E01 + Rec7F05 + Rec01Nav + Rec01Raw	off OnChange msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
sca gca	setChannelAllocation getChannelAllocation	<i>Channel</i> <i>Channel</i>	<i>Satellite</i>	<i>Search</i>	<i>Doppler</i>	<i>Window</i>				
		+ Ch01 ... Ch80 all	auto G01 ... G32 F01 ... F14 E01 ... E36 S120 ... S158 C01 ... C63 J01 ... J07 I01 ... I14	auto manual	-50000 ... 0 ... 50000 Hz	1 ... 16000 ... 100000 Hz				
scst gcst	setClockSyncThreshold getClockSyncThreshold	<i>Threshold</i>	<i>StartupSync</i>							
		ClockSteering usec500 msec1 msec2 msec3 msec4 msec5	off on							
scic gcic	setCloudItConfig getCloudItConfig	<i>Server</i> <i>Server</i>	<i>Name (32)</i>	<i>ClientID (128)</i>	<i>ClientSecret (128)</i>	<i>AuthURL (255)</i>	<i>TokenURL (255)</i>	<i>Endpoint (255)</i>	<i>Scope (64)</i>	<i>RedirectURI (255)</i>

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ Cloud1 ... Cloud8 all								
sc2f gc2f	<b>setCMRv2Formatting</b> <b>getCMRv2Formatting</b>	<i>ReferenceID</i>								
		<u>0</u> ... 31								
sc2i gc2i	<b>setCMRv2Interval</b> <b>getCMRv2Interval</b>	<b>Message</b> <i>Message</i>	<i>Interval</i>							
		+ CMR0 + CMR1 + CMR2 + CMR3 all	0.1 ... 1.0 ... 600.0 s							
sc2m gc2m	<b>setCMRv2Message2</b> <b>getCMRv2Message2</b>	<i>ShortID (8)</i>	<i>LongID (50)</i>	<i>COGO (16)</i>						
		<u>Unknown</u>	<u>Unknown</u>	<u>Unknown</u>						
sc2o gc2o	<b>setCMRv2Output</b> <b>getCMRv2Output</b>	<b>Cd</b> <i>Cd</i>	<i>Messages</i>							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none + <u>CMR0</u> + <u>CMR1</u> + CMR2 + <u>CMR3</u> all							
sc2u gc2u	<b>setCMRv2Usage</b> <b>getCMRv2Usage</b>	<i>MsgUsage</i>								
		none + <u>CMR0</u> + <u>CMR1</u> + CMR2 + <u>CMR3</u> + CMR0p + <u>CMR0w</u> all								
scm gcm	<b>setCN0Mask</b> <b>getCN0Mask</b>	<b>Signal</b> <i>Signal</i>	<i>Mask</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +Reserved1 +Reserved2 +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL1P +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL5S +QZSL1CB +NAVICL5 all	0 ... 10 ... 60 dB-Hz							
help	IstCommandHelp	Action (255)								
		Overview								
scs gcs	setCOMSettings getCOMSettings	Cd Cd	Rate	DataBits	Parity	StopBits	FlowControl			
		+COM1 +COM2 +COM3 +COM4 all	baud1200 baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 baud115200 baud230400	bits8	No	bit1	none RTS CTS			
lcf	IstConfigFile	File								
		Current Boot RxDefault User1 User2								
eccf gccf	exeCopyConfigFile getCopyConfigFile	Source	Target							
		Current Boot User1 User2 RxDefault	Current Boot User1 User2							
scoc gcoc	setCosmosConfig getCosmosConfig	Enable	CustomerID (24)							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		<u>off</u> on								
soda goda	<b>setCrossDomainWebAccess</b> <b>getCrossDomainWebAccess</b>	<i>Mode</i>								
		<u>off</u> on								
lcu	<b>IstCurrentUser</b>									
sdcm gdc	<b>setDaisyChainMode</b> <b>getDaisyChainMode</b>	<b>DC</b> <i>DC</i>	<i>Mode</i>							
		+ DC1 + DC2 all	<u>Raw</u> ASCII							
sdio gdio	<b>setDataInOut</b> <b>getDataInOut</b>	<b>Cd</b> <i>Cd</i>	<i>Input</i>	<i>Output</i>	<i>Show</i>					
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 + LOG1 ... LOG8 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 RTCMV ASCIIIN <u>auto</u>	none + RTCMv2 + RTCMv3 + CMRv2 + <u>SBF</u> + NMEA + ASCIIIDisplay + DC1 + DC2 + <u>BINEX</u> + LBandBeam1 + LBandBeam2	( <u>off</u> ) (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 <u>Viewer</u> <u>User</u>	none <u>Viewer</u> <u>User</u>	none <u>Viewer</u> <u>User</u>	none <u>Viewer</u> <u>User</u>	none <u>Viewer</u> <u>User</u>				
sdca gdca	<b>setDiffCorrMaxAge</b> <b>getDiffCorrMaxAge</b>	<i>DGPS</i> Corr	<i>RTK</i> Corr	<i>PPP</i> Corr	<i>Iono</i>					
		0.0 ... 400.0 ... 3600.0 s	0.0 ... 20.0 ... 3600.0 s	0.0 ... 360.0 ... 3600.0 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>					
		<u>LowLatency</u>	0.1 ... 3600.0 s	<u>auto</u> manual	0 ... 4095					
edci gdci	<b>exeDisconnectCloudIt</b> <b>getDisconnectCloudIt</b>	<b>Server</b>								
		Cloud1 Cloud8	...							
lde	<b>IstDiskEvent</b>	<b>Disk</b>	<b>SessionName</b>							
		DSK1 DSK2 all								
sdfa gdfa	<b>setDiskFullAction</b> <b>getDiskFullAction</b>	<b>Disk</b> <i>Disk</i>	<i>Action</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ DSK1 + DSK2 all	<u>DeleteOldest</u> StopLogging							
ldi	IstDiskInfo	<b>Disk</b>	<b>Directory (60)</b>							
		DSK1 DSK2 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>				
		off dyndns.org no-ip.com				auto Ethernet WiFi				
eecm gecm	<b>exeEchoMessage</b> <b>getEchoMessage</b>	<b>Cd</b>	<b>Message (242)</b>	<b>EndOfLine</b>						
		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	<b>setElevationMask</b> <b>getElevationMask</b>	<b>Engine</b> <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	-90 ... 0 ... 90 deg							
seth geth	<b>setEthernetMode</b> <b>getEthernetMode</b>	<i>Enable</i>								
		off on								
sep gep	<b>setEventParameters</b> <b>getEventParameters</b>	<b>Event</b> <i>Event</i>	<i>Polarity</i>	<i>Delay</i>						
		+ EventA + EventB all	Low2High High2Low	-500.000000 ... 0.000000 ... 500.000000 ms						
erac	<b>exeAuthorizeCloudIt</b>	<b>Server</b>	<b>AuthCode (102)</b>							
		Cloud1 Cloud2 Cloud8 ...								
sfn gfn	<b>setFileNaming</b> <b>getFileNaming</b>	<b>Cd</b> <i>Cd</i>	<i>NamingType</i>	<i>FileName (20)</i>	<i>Compression</i>					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ LOG1 ... LOG8 all	FileName Incremental IGS15M IGS1H IGS6H IGS24H	log	off on					
efpt gfpt	exeFTPPushTest getFTPPushTest	Server (40)	Path (64)	User (20)	Password (40)	FTPPort				
				anonymous		1 ...21 ...65535				
efup gfup	exeFTPUpgrade getFTPUpgrade	Server (32)	Path (64)	Login (12)	Password (24)					
				anonymous						
lopk	lstGalOSNMAPublicKeys									
sopk gopk	setGalOSNMAPublicKeys getGalOSNMAPublicKeys	ID ID	Key (233)							
		+ Key0 ... Key15 all								
sou gou	setGalOSNMAUsage getGalOSNMAUsage	Mode	MTRoot (65)							
		off loose strict								
sgd ggd	setGeodeticDatum getGeodeticDatum	TargetDatum								
		WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 Default User1 User2								
sgu ggu	setGeoidUndulation getGeoidUndulation	Mode	Undulation							
		auto manual	-250.000 ...0.000 ...250.000 m							
sfno gfno	setGlobalFileNamingOptions getGlobalFileNamingOptions	BusyTag	SessionTag							
		off on	off on							
sgpf gpgf	setGPIOFunctionality getGPIOFunctionality	GPPin GPPin	Mode	Input	Output					
		+ GP1 + GP2 all	Output	none	LevelLow LevelHigh					
shm ghm	setHealthMask getHealthMask	Engine Engine	Mask							
		+ Tracking + PVT all	off on							
shs ghs	setHttpsSettings getHttpsSettings	Protocol								



Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ HTTP + HTTPS all								
lif	IstInternalFile	File								
		Permissions Identification Debug Error SisError DiffCorrError SetupError LBAS1Access LBAS1Subscr IPParameters RxMessages								
sim gim	setlonosphereModel getlonosphereModel	Model								
		auto off Klobuchar SBAS MultiFreq KlobucharBeiDou								
sipf gipf	setIPFiltering getIPFiltering	Mode	AddrList (200)							
		off on								
sipk gipk	setIPKeepAlive getIPKeepAlive	Enable	IdleTime	Interval	MaxCount					
		off on	15 ... 18000 s	1 ... 3600 s	1 ... 15 ... 3600					
sipp gipp	setIPPortSettings getIPPortSettings	Command	FTPControl							
		1 ... 28784 ... 65535	1 ... 21 ... 65535							
sirs girs	setIPReceiveSettings getIPReceiveSettings	Cd Cd	Port	Mode	TCPAddress (40)					
		+ IPR1 + IPR2 + IPR3 all	0 ... 65535	TCP2Way UDP	0.0.0.0					
sisss giss	setIPServerSettings getIPServerSettings	Cd Cd	Port	Mode	UDPAddress (200)					
		+ IPS1 + IPS2 + IPS3 + IPS4 + IPS5 all	0 ... 65535	TCP UDP TCP2Way	255.255.255.255					
sips gips	setIPSettings getIPSettings	Mode	IP (16)	Netmask (16)	Gateway (16)	Domain (63)	DNS1 (16)	DNS2 (16)	MTU	
		DHCP Static	0.0.0.0	255.255.255.0	0.0.0.0		0.0.0.0	0.0.0.0	0 ... 1500	
scls gcls	setL6CLASSource getL6CLASSource	Satellite	Message							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		<u>auto</u> none J01 ... J07	<u>L6D</u> L6E							
lbb	IstLBandBeams									
slbb glbb	setLBandBeams getLBandBeams	<b>Beam</b> Beam	Frequency	Rate	Name (8)	Region (8)	Usage			
		+ User1 + User2 all	<u>1525000000</u> ...1559000000 Hz	baud600 <u>baud1200</u> baud2400 baud4800	<u>Unknown</u>	<u>Unknown</u>	Disabled Enabled			
sics glcs	setLBandCustomServiceID getLBandCustomServiceID	ServiceID (4)	ScramblingVector	NDAUsage						
		0000	0000	off on						
slnd glnd	setLBandNTRIPDelivery getLBandNTRIPDelivery	Cd								
		none NTR1 NTR2 NTR3 DC1   SID08 DC2   SID08								
slsm glsm	setLBandSelectMode getLBandSelectMode	Mode	Service	Beam1	Beam2					
		<u>auto</u> off manual	<u>LBAS1</u> Inmarsat	<u>User1</u> User2 LBAS1   1 LBAS1   2 LBAS1   3 LBAS1   4 LBAS1   5 LBAS1   6 LBAS1   7 LBAS1   8 LBAS1   9 LBAS1   10 LBAS1   11 LBAS1   12 LBAS1   13 LBAS1   14 LBAS1   15 LBAS1   16	User1 User2 LBAS1   1 LBAS1   2 LBAS1   3 LBAS1   4 LBAS1   5 LBAS1   6 LBAS1   7 LBAS1   8 LBAS1   9 LBAS1   10 LBAS1   11 LBAS1   12 LBAS1   13 LBAS1   14 LBAS1   15 LBAS1   16					
llrs	IstLBAS1RefStations									
slrs glrs	setLBAS1RefStations getLBAS1RefStations	<b>Stream</b> Stream	StationID (255)							
		+ RTCMV all	<u>all</u>							
slm glm	setLEDMode getLEDMode	GPLED								
		<u>DIFFCORLED</u> LOGLED								
login	LogIn	UserName (16)	Password (32)							
logout	LogOut									

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sls gls	<b>setLogSession</b> <b>getLogSession</b>	<b>Cd</b> <i>Cd</i>	<i>State</i>	<i>Disk</i>	<i>Name (30)</i>	<i>AutoDelete</i>	<i>Priority</i>	<i>Type</i>		
		+ LOG1 ... LOG8 all	<u>Unused</u> Disabled Enabled	<u>DSK1</u> DSK2		<u>Never</u> After1Day After2Days After3Days After4Days After7Days After14Days After21Days After30Days After60Days After90Days After180Days After1Year After2Years	Low <u>Medium</u> High	<u>Continuous</u> Scheduled PreserveOnEvent		
slss glss	<b>setLogSessionSchedule</b> <b>getLogSessionSchedule</b>	<b>Cd</b> <i>Cd</i>	<i>StartTime (30)</i>	<i>Duration</i>	<i>RepetitionIntrvl</i>					
		+ LOG1 ... LOG8 all	2000-01-01 00:00:00	0 ... 2678400 s	0 ... 2678400 s					
smv gmV	<b>setMagneticVariance</b> <b>getMagneticVariance</b>	<i>Mode</i>	<i>Variation</i>							
		<u>auto</u> manual	-180.0 ... <u>0.0</u> ... 180.0 deg							
emd gmd	<b>exeManageDisk</b> <b>getManageDisk</b>	<b>Disk</b>	<b>Action</b>							
		DSK1 DSK2	<u>Unmount</u> Mount Format							
emwa gmwa	<b>exeManageWiFiAccessPoint</b> <b>getManageWiFiAccessPoint</b>	<b>SSID (32)</b>	<b>Action</b>							
			<u>Promote</u> Remove							
smp gmp	<b>setMarkerParameters</b> <b>getMarkerParameters</b>	<i>MarkerName (60)</i>	<i>MarkerNumber</i>	<i>MarkerType (20)</i>	<i>StationCode (10)</i>	<i>MonumentIdx</i>	<i>ReceiverIdx</i>	<i>CountryCode (3)</i>		
		<u>SEPT</u>	<u>Unknown</u>	<u>Unknown</u>		0 ... 9	0 ... 9			
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 SBFTTable								
smm gmm	<b>setMultipathMitigation</b> <b>getMultipathMitigation</b>	<i>Code</i>	<i>Carrier</i>							
		off <u>on</u>	off <u>on</u>							
snrc gnrc	<b>setNetworkRTKConfig</b> <b>getNetworkRTKConfig</b>	<i>NetworkType</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		<u>auto</u> VRS								
snci gnci	<b>setNMEACloudIt</b> <b>getNMEACloudIt</b>	<b>Cd</b> <i>Cd</i>	<i>Server</i>	<i>Path (64)</i>	<i>Retry</i>					
		+ LOG1 ... LOG8 all	<u>off</u> Cloud1 Cloud8	...	<u>off</u> min15 min30 hour1 hour6 day1					
snfp gnfp	<b>setNMEAFTP</b> <b>getNMEAFTP</b>	<b>Cd</b> <i>Cd</i>	<i>Enable</i>	<i>Server (40)</i>	<i>Path (64)</i>	<i>User (20)</i>	<i>Password (40)</i>	<i>FTPPort</i>	<i>RetryIntrvl</i>	
		+ LOG1 ... LOG8 all	<u>off</u> on			<u>anonymous</u>		<sup>1</sup> ...65535	<sup>21</sup> <u>off</u> min15 min30 hour1 hour6 day1	
snlp gnlp	<b>setNMEALogging</b> <b>getNMEALogging</b>	<b>Cd</b> <i>Cd</i>	<i>NamingType</i>	<i>FileName (20)</i>	<i>Compression</i>					
		+ LOG1 ... LOG8 all	<u>FileName</u> Incremental IGS15M IGS1H IGS6H IGS24H	<u>log</u>	<u>off</u> on					
enoc gnoc	<b>exeNMEAOnce</b> <b>getNMEAOnce</b>	<b>Cd</b>	<b>Messages</b>							
		COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 LOG1 ... LOG8	+ ALM + DTM + GBS + GGA + GLL + <u>GNS</u> + GRS + GSA + GST + GSV + HDT + RMC + ROT + VTG + ZDA + LLQ + RBP + RBV + RBD + AVR + GGK + GFA + GGQ + LLK + GMP + TFM + SNC + SRX + SDI + SPW							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sno gno	<b>setNMEAOutput</b> <b>getNMEAOutput</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 all	... <u>none</u> COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 LOG1 ... LOG8	<u>none</u> + ALM + DTM + GBS + GGA + GLL + GNS + GRS + GSA + GST + GSV + HDT + RMC + ROT + VTG + ZDA + LLQ + RBP + RBV + RBD + PUMRD + AVR + GGK + GFA + GGQ + LLK + GMP + TXTbase + TFM + SNC + SRX + SDI + SPW	<u>off</u> OnChange 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>					
		<u>0</u> ... 3	<u>Nominal</u> Mode1 Mode2	<u>off</u> only	<u>0.000 ... 0.001</u> ... 1.000 m					
snti gnti	<b>setNMEATalkerID</b> <b>getNMEATalkerID</b>	<i>TalkerID</i>								
		auto <u>GP</u> GN								
snv gnv	<b>setNMEAVersion</b> <b>getNMEAVersion</b>	<i>Version</i>								
		<u>v3x</u> v4x								
snf gnf	<b>setNotchFiltering</b> <b>getNotchFiltering</b>	<b><i>Notch</i></b> <i>Notch</i>	<i>Mode</i>	<i>CenterFreq</i>	<i>Bandwidth</i>					
		+ Notch1 + Notch2 + Notch3 all	<u>auto</u> off manual	<u>1100.000</u> ... 2550.000 MHz	<u>30</u> ... 1600 kHz					
snc gnc	<b>setNtpClient</b> <b>getNtpClient</b>	<i>Mode</i>	<i>Server (40)</i>							
		on <u>off</u>	<u>default</u>							
sntp gntp	<b>setNTPServer</b> <b>getNTPServer</b>	<i>Enable</i>								
		<u>off</u> on								
snmp gnmp	<b>setNtripCasterMountPoints</b> <b>getNtripCasterMountPoints</b>	<b><i>MountPointID</i></b> <i>MountPointID</i>	<i>Enable</i>	<i>MPName (32)</i>	<i>ExtServer</i>	<i>UserName (20)</i>	<i>Password (40)</i>	<i>ClientAuth</i>		

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ MP1 + MP2 + MP3 all	<u>off</u> on		<u>No</u> Yes			none <u>basic</u>		
smpf gmpf	<b>setNtripCasterMPFormat</b> <b>getNtripCasterMPFormat</b>	<b>MountPointID</b> MountPointID	Format	ManualFt (30)	FtDetails (100)					
		+ MP1 + MP2 + MP3 all	RTCMv2 RTCMv3 CMR NMEA BINEX <u>RAW</u> manual							
snsc gnsc	<b>setNtripCasterSettings</b> <b>getNtripCasterSettings</b>	Mode	Port	Identifier (100)	TlsPort					
		<u>off</u> on	0 ...2101 ...65535	<u>default</u>	0 ...2102 ...65535					
sncu gncu	<b>setNtripCasterUsers</b> <b>getNtripCasterUsers</b>	<b>UserID</b> UserID	UserName (20)	Password (40)	MountPoints	MaxClients				
		+ User1 + User2 + User3 + User4 + User5 all			<u>none</u> + MP1 + MP2 + MP3 all	1 ...10				
snts gnst	<b>setNtripSettings</b> <b>getNtripSettings</b>	<b>Cd</b> Cd	Mode	Caster (40)	Port	UserName (20)	Password (40)	MountPoint (32)	Version	SendGGA
		+ NTR1 + NTR2 + NTR3 all	<u>off</u> Server Client		0 ...2101 ...65535				v1 <u>v2</u>	<u>auto</u> off sec1 sec5 sec10 sec60
Inst	<b>IstNTRIPSourceTable</b>	<b>Caster (40)</b>	Port							
			0 ...2101 ...65535							
sntt gnnt	<b>setNtripTlsSettings</b> <b>getNtripTlsSettings</b>	<b>Cd</b> Cd	Enable	Fingerprint (96)						
		+ NTR1 + NTR2 + NTR3 all	<u>off</u> on							
soc goc	<b>setObserverComment</b> <b>getObserverComment</b>	Comment (120)								
		<u>Unknown</u>								
sop gop	<b>setObserverParameters</b> <b>getObserverParameters</b>	Observer (20)	Agency (40)							
		<u>Unknown</u>	<u>Unknown</u>							
spe gpe	<b>setPeriodicEcho</b> <b>getPeriodicEcho</b>	<b>Cd</b> Cd	Message (201)	Interval						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ COM1 + COM2 + COM3 + COM4 all	<u>A:Unknown</u>	off once msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60						
sp2p gp2p	<b>setPointToPoint</b> <b>getPointToPoint</b>	<b>SessionID</b> <i>SessionID</i>	<i>Mode</i>	<i>Cd</i>	<i>ClientIP (20)</i>	<i>ServerIP (20)</i>	<i>Auth</i>	<i>Password (40)</i>	<i>ConnectTimeout</i>	<i>ActivityTimeout</i>
		+ P2PP1 all	Off Server	COM1 COM2 COM3 COM4	192.168.50.2	192.168.50.1	None PAP CHAP		60 ... 300 s	10 ... 600 ... 32000 s
spfw gpfw	<b>setPortFirewall</b> <b>getPortFirewall</b>	<b>Interface</b> <i>Interface</i>	<i>OpenPorts</i>	<i>PortList (100)</i>						
		+ Ethernet + WiFi all	none <u>default</u> all PortList							
epwm gpwm	<b>exePowerMode</b> <b>getPowerMode</b>	<b>Mode</b>								
		<u>ScheduledSleep</u> StandBy								
spth gpth	<b>setPowerThresholds</b> <b>getPowerThresholds</b>	<i>ExtPowerSupply</i>								
		0.0 ... 30.0 V								
spas gpas	<b>setPPPAutoSeed</b> <b>getPPPAutoSeed</b>	<i>Mode</i>								
		none + DGPS + RTKFixed all								
epss gpss	<b>exePPPSetSeedGeod</b> <b>getPPPSetSeedGeod</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Altitude</b>	<b>Datum</b>					
		-90.000000000 ... 0.000000000 ... 90.000000000 deg	-180.000000000 ... 0.000000000 ... 180.000000000 deg	-1000.0000 ... 0.0000 ... 30000.0000 m	WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 User1 User2 Other					
spss gpss	<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 <u>sec1</u> sec2 sec4 sec5 sec10 sec30 sec60	Low2High High2Low	-1000000.00 ... <u>0.00</u> ... 1000000.00 ns	GPS Galileo BeiDou GLONASS UTC RxClock	0 ... <u>60</u> ... 3600 s	0.001 ... <u>5.000</u> ... 1000.000 ms			
epl gpl	exePreserveLogging getPreserveLogging	<b>EventTime (30)</b>								
		2000-01-01 00:00:00								
spoe gpoe	setPreserveOnEvent getPreserveOnEvent	<b>Cd</b> <u>Cd</u>	Event	TimeBefore	TimeAfter					
		+ LOG1 ... LOG8 all	none + EventA + EventB + Command	0 ... <u>15</u> ... 1440 min	0 ... <u>15</u> ... 1440 min					
spm gpm	setPVTMode getPVTMode	Mode	RoverMode	RefPos						
		Static <u>Rover</u>	+ StandAlone + SBAS + DGPS + RTKFloat + RTKFixed + PPP + RTK all	<u>auto</u> Geodetic1 Cartesian1						
srl grl	setRAIMLevels getRAIMLevels	Mode	Pfa	Pmd	Reliability					
		off <u>on</u>	-12 ... <u>4</u> ... -1	-12 ... <u>4</u> ... -1	-12 ... <u>3</u> ... -1					
grc	getReceiverCapabilities									
srd grd	setReceiverDynamics getReceiverDynamics	Level	Motion							
		Max High <u>Moderate</u> Low	Static Quasistatic Pedestrian <u>Automotive</u> EarthquakeMon Unlimited							
gri	getReceiverInterface	Item								
		+ RxName + SNMPLanguage + SNMPVersion all								
lrf	IstRecordedFile	<b>Disk</b>	<b>FileName (60)</b>							



Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		DSK1 DSK2								
srom grom	setREFOUTMode getREFOUTMode	Enable	Disciplined	FreqOffset						
		off on	off on	-1.000 ... 0.000 ... 1.000 ppm						
era gra	exeRegisteredApplications getRegisteredApplications	Cd Cd	Application (12)							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 all	Unknown							
erf grf	exeRemoveFile getRemoveFile	Disk	FileName (200)							
		DSK1 DSK2	none all							
ernf grnf	exeResetNavFilter getResetNavFilter	Level								
		+ PVT + AmbRTK all								
erst grst	exeResetReceiver getResetReceiver	Level	EraseMemory							
		Soft Hard Upgrade	none + Config + PVTData + SatData + BaseStations + WiFiAccessPoints + HTTPSCertificate + SISAAuthData all							
srci grci	setRINEXCloudIt getRINEXCloudIt	Cd Cd	Server	Path (64)	Retry					
		+ LOG1 ... LOG8 all	off Cloud1 Cloud8		off min15 min30 hour1 hour6 day1					
srfp grfp	setRINEXFTP getRINEXFTP	Cd Cd	Enable	Server (40)	Path (64)	User (20)	Password (40)	FTPPort	RetryIntrvl	
		+ LOG1 ... LOG8 all	off on			anonymous		1 ...65535	21 off min15 min30 hour1 hour6 day1	
srxl grxl	setRINEXLogging getRINEXLogging	Cd Cd	FileDuration	ObsInterval	SignalTypes	ExtraObsTypes	RINEXVersion	MixedNav	FileTypes	Archiving

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ LOG1 ... LOG8 all	<u>none</u> hour1 hour6 hour24 minute15	<u>sec1</u> sec2 sec5 sec10 sec15 sec30 sec60	<u>none</u> + <u>GPSL1CA</u> + <u>GPSL1PY</u> + <u>GPSL2PY</u> + <u>GPSL2C</u> + <u>GPSL5</u> + <u>GPSL1C</u> + <u>GLOL1CA</u> + <u>GLOL1P</u> + <u>GLOL2P</u> + <u>GLOL2CA</u> + <u>GLOL3</u> + <u>GALL1BC</u> + <u>GALE6BC</u> + <u>GALE5a</u> + <u>GALE5b</u> + <u>GALE5</u> + <u>GEOL1</u> + <u>GEOL5</u> + <u>BDSB1I</u> + <u>BDSB2I</u> + <u>BDSB3I</u> + <u>BDSB1C</u> + <u>BDSB2a</u> + <u>BDSB2b</u> + <u>QZSL1CA</u> + <u>QZSL2C</u> + <u>QZSL5</u> + <u>QZSL1C</u> + <u>QZSL1S</u> + <u>QZSL5S</u> + <u>QZSL1CB</u> + <u>NAVICL5</u> all	<u>none</u> + Dx + Sx + Channel all	v211 v304ShortName v304 v305 v400	off <u>on</u>	+ <u>Obs</u> + <u>Nav</u> + <u>Met</u> all	<u>none</u> + Hatanaka + GroupInTar + Compress
srmi grmi	setRTCMMSCloudIt getRTCMMSCloudIt	<b>Cd</b> <i>Cd</i>	<i>Server</i>	<i>Path (64)</i>	<i>Retry</i>					
		+ LOG1 ... LOG8 all	off Cloud1 Cloud8	...	off min15 min30 hour1 hour6 day1					
smfp gmfp	setRTCMMSMFTP getRTCMMSMFTP	<b>Cd</b> <i>Cd</i>	<i>Enable</i>	<i>Server (40)</i>	<i>Path (64)</i>	<i>User (20)</i>	<i>Password (40)</i>	<i>FTPPort</i>	<i>RetryIntrvl</i>	
		+ LOG1 ... LOG8 all	off on			<u>anonymous</u>		1 ...65535	...21 off min15 min30 hour1 hour6 day1	
smsl gmsl	setRTCMMSMLogging getRTCMMSMLogging	<b>Cd</b> <i>Cd</i>	<i>FileDuration</i>	<i>Compression</i>	<i>Messages</i>	<i>ObsInterval</i>				

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ LOG1 ... LOG8 all	<u>none</u> hour1 hour6 hour24 minute15	<u>off</u> on	<u>none</u> + RTCM1006 + RTCM1008 + RTCM1013 + RTCM1019 + RTCM1020 + RTCM1033 + RTCM1041 + RTCM1042 + RTCM1044 + RTCM1045 + RTCM1046 + RTCM1074 + RTCM1075 + RTCM1076 + RTCM1077 + RTCM1084 + RTCM1085 + RTCM1086 + RTCM1087 + RTCM1094 + RTCM1095 + RTCM1096 + RTCM1097 + RTCM1104 + RTCM1105 + RTCM1106 + RTCM1107 + RTCM1114 + RTCM1115 + RTCM1116 + RTCM1117 + RTCM1124 + RTCM1125 + RTCM1126 + RTCM1127 + RTCM1134 + RTCM1135 + RTCM1136 + RTCM1137 + RTCM1230 + MSM4 + MSM5 + MSM6 + MSM7 + Nav + Station	msec100 msec200 msec500 <u>sec1</u> sec2 sec5 sec10 sec15 sec30 sec60				
sr2c gr2c	setRTCMv2Compatibility getRTCMv2Compatibility	PRCType	GLOToD	RTKVersion						
		<u>Standard</u> GroupDelay	<u>Tk</u> Tb	v2.1 <u>v2.2orLater</u>						
sr2h gr2h	setRTCMv2EphemerisHoldoff getRTCMv2EphemerisHoldoff	TimeGPS	TimeGLO							
		<u>0 ... 300 s</u>	<u>0 ... 300 s</u>							
sr2f gr2f	setRTCMv2Formatting getRTCMv2Formatting	ReferenceID	GLOToD							
		<u>0 ... 1023</u>	<u>Tk</u> Tb							
sr2i gr2i	setRTCMv2Interval getRTCMv2Interval	<b>Message</b> Message	ZCount							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ RTCM1 + RTCM3 + RTCM9 + RTCM16 + RTCM17 + RTCM22 + RTCM23 24 + RTCM31 + RTCM32 all	1...2...1000							
sr2b gr2b	setRTCMv2IntervalObs getRTCMv2IntervalObs	<b>Message</b> <b>Message</b>	<i>Interval</i>							
		+ RTCM18 19 + RTCM20 21 all	1...600 s							
sr2m gr2m	setRTCMv2Message16 getRTCMv2Message16	<i>Message (90)</i>								
		<u>Unknown</u>								
sr2o gr2o	setRTCMv2Output getRTCMv2Output	<b>Cd</b> <b>Cd</b>	<b>Messages</b>							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none + <u>RTCM1</u> + <u>RTCM3</u> + RTCM9 + RTCM16 + RTCM18 19 + RTCM20 21 + <u>RTCM22</u> + RTCM23 24 + <u>RTCM31</u> + RTCM32 + RTCM17 + DGPS + RTK all							
sr2u gr2u	setRTCMv2Usage getRTCMv2Usage	<i>MsgUsage</i>								
		none + RTCM1 + <u>RTCM3</u> + RTCM9 + RTCM15 + RTCM18 19 + RTCM20 21 + RTCM22 + RTCM23 24 + <u>RTCM31</u> + <u>RTCM32</u> + RTCM34 + <u>RTCM17</u> + <u>RTCM59</u> all								
sr3t gr3t	setRTCMv3CRSTransfo getRTCMv3CRSTransfo	<i>Mode</i>	<i>TargetName (32)</i>							
		auto manual								
sr3d gr3d	setRTCMv3Delay getRTCMv3Delay	<i>Delay</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sr3f gr3f	setRTCMv3Formatting getRTCMv3Formatting	<u>0.0 ... 600.0 s</u> <i>ReferenceID</i>	<i>MSMSignals</i>	<i>GLOL2</i>	<i>RxType (32)</i>					
		<u>0 ... 4095</u> +GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL1P +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL1C +NAVICL5 all	<u>L2CA</u> L2P	default						
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 +RTCM1041 +RTCM1042 +RTCM1044 +RTCM1045 +RTCM1046 +RTCM1230 +MSM1 ... +MSM7 all	<u>0.1 ... 1.0</u> ... 600.0 s							
sr3m gr3m	setRTCMv3Message1029 getRTCMv3Message1029	<i>Message (120)</i>								
		<u>Unknown</u>								
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 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none + RTCM1001 + RTCM1002 + RTCM1003 + <u>RTCM1004</u> + RTCM1005 + <u>RTCM1006</u> + RTCM1007 + RTCM1008 + RTCM1009 + RTCM1010 + RTCM1011 + <u>RTCM1012</u> + RTCM1013 + RTCM1019 + RTCM1020 + RTCM1029 + <u>RTCM1033</u> + RTCM1041 + RTCM1042 + RTCM1044 + RTCM1045 + RTCM1046 + RTCM1071 ... RTCM1077 + RTCM1081 ... RTCM1087 + RTCM1091 ... RTCM1097 + RTCM1101 ... RTCM1107 + RTCM1111 ... RTCM1117 + RTCM1121 ... RTCM1127 + RTCM1131 ... RTCM1137 + <u>RTCM1230</u> + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 all							
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 ... <u>RTCM1013</u> + RTCM1015 + RTCM1016 + RTCM1017 + RTCM1019 ... <u>RTCM1027</u> + RTCM1029 + RTCM1033 + RTCM1037 + RTCM1038 + RTCM1039 + RTCM1041 + RTCM1042 + RTCM1044 + RTCM1045 + RTCM1046 + RTCM1071 ... <u>RTCM1077</u> + RTCM1081 ... <u>RTCM1087</u> + RTCM1091 ... <u>RTCM1097</u> + RTCM1111 ... <u>RTCM1117</u> + RTCM1121 ... <u>RTCM1127</u> + RTCM1230 + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 all								
sst	<b>setSatelliteTracking</b>	<i>Satellite</i>								
gst	<b>getSatelliteTracking</b>									
		none + G01 ... G32 + R01 ... R30 + E01 ... E36 + S120 ... S158 + C01 ... C63 + J01 ... J07 + I01 ... I14 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all								
ssu	<b>setSatelliteUsage</b>	<i>Satellite</i>								
gsu	<b>getSatelliteUsage</b>									

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none + G01 ... G32 + R01 ... R24 + R25 + R26 + R27 + R28 + R29 + R30 + E01 ... E36 + S120 ... S158 + C01 ... C63 + J01 ... J07 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS all								
ssbc gsbc	<b>setSBASCORRECTIONS</b> <b>getSBASCORRECTIONS</b>	Satellite	SISMode	NavMode	DO229Version					
		auto EGNOS WAAS MSAS GAGAN SDCM S120 ... S158	Test <u>Operational</u>	EnRoute PrecApp MixedSystems	auto DO229C					
sssc gssc	<b>setSBASService</b> <b>getSBASService</b>	Service								
		DO229 DFMC								
ssci gscl	<b>setSBFCLOUDIT</b> <b>getSBFCLOUDIT</b>	Cd Cd	Server	Path (64)	Retry					
		+ LOG1 ... LOG8 all	off Cloud1 Cloud8	...	off min15 min30 hour1 hour6 day1					
ssfp gsfp	<b>setSBFFTP</b> <b>getSBFFTP</b>	Cd Cd	Enable	Server (40)	Path (64)	User (20)	Password (40)	FTPPort	RetryIntrvl	
		+ LOG1 ... LOG8 all	off on			anonymous		1 ...65535	...21 off min15 min30 hour1 hour6 day1	
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	<u>none</u> [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + NavIC + PVTCart + PVTGeod + PVTExtra + Time + Events + DiffCorr + Status + LBand + Advanced + PostProcess + Rinex + RinexMeas3 + Support							
esoc gsoc	exeSBFOnce getSBFOnce	<b>Cd</b>	<b>Messages</b>							
		COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 LOG1 ... LOG8	[SBF List] + Measurements + Meas3 + GPS + GLO + GAL + GEO + BDS + QZS + NavIC + PVTCart + PVTGeod + PVTExtra + Time + Status + LBand + UserGroups + Advanced + PostProcess + Rinex + RinexMeas3 + Support							
sso gso	setSBFOutput getSBFOutput	<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 ... Stream16 + Res1 + Res2 + Res3 + Res4 all	<u>none</u> COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 LOG1 ... LOG8	<u>none</u> [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + NavIC + PVTCart + PVTGeod + PVTEExtra + Time + Event + DiffCorr + Status + LBand + UserGroups + Advanced + PostProcess + Rinex + RinexMeas3 + Support	<u>off</u> OnChange 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>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL1P +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL5S +QZSL1CB +NAVICL5 +GPS +GLONASS +GALILEO +SBAS +BEIDOU +QZSS +NAVIC all								
snu	setSignalUsage	PVT	NavData							
gnu	getSignalUsage									

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL1P +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL5S +QZSL1CB +NAVICL5 all	+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL1P +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL5S +QZSL1CB +NAVICL5 all							
ssi	setSmoothingInterval	<i>Signal</i>	<i>Interval</i>	<i>Alignment</i>						
gsi	getSmoothingInterval	<i>Signal</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 +GPSL1C +GLOL1CA +GLOL1P +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL5S +QZSL1CB +NAVICL5 all	0 ... 1000 s	0 ... 1000 s						
ssm gsm	<b>setStandbyMonitoring</b> <b>getStandbyMonitoring</b>	<i>StandbyPeriod</i>								
		0 ... 15724800 s								
sspc gspc	<b>setStaticPosCartesian</b> <b>getStaticPosCartesian</b>	<i>Position</i> <i>Position</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>Datum</i>				
		+ Cartesian1 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 GDA2020 User1 User2 Other				
sspg gspg	<b>setStaticPosGeodetic</b> <b>getStaticPosGeodetic</b>	<i>Position</i> <i>Position</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Altitude</i>	<i>Datum</i>				
		+ Geodetic1 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 GDA2020 User1 User2 Other				
sis gts	<b>setTimingSystem</b> <b>getTimingSystem</b>	<i>System</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		Galileo GPS BeiDou <u>auto</u>								
stlp gtp	<b>setTrackingLoopParameters</b> <b>getTrackingLoopParameters</b>	<b>Signal</b> <i>Signal</i>	<i>DLLBandwidth</i>	<i>PLLBandwidth</i>	<i>MaxTpDLL</i>	<i>MaxTpPLL</i>	<i>Adaptive</i>			
		+ GPSL1CA + Reserved1 + Reserved2 + GPSL2C + GPSL5 + GPSL1C + GLOL1CA + GLOL1P + GLOL2P + GLOL2CA + GLOL3 + GALL1BC + GALE6BC + GALE5a + GALE5b + GALE5 + GEOL1 + GEOL5 + BDSB1I + BDSB2I + BDSB3I + BDSB1C + BDSB2a + BDSB2b + QZSL1CA + QZSL2C + QZSL5 + Reserved3 + QZSL1C + QZSL1S + QZSL5S + QZSL1CB + NAVICL5 all	0.01 ...0.25 ...5.00 Hz	1 ...15 ...100 Hz	1 ...100 ...500 ms	1 ...10 ...200 ms	off <u>on</u>			
stm gtm	<b>setTroposphereModel</b> <b>getTroposphereModel</b>	<i>ZenithModel</i>	<i>MappingModel</i>							
		off Saastamoinen <u>MOPS</u>	Niell <u>MOPS</u>							
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 %						
suia guia	<b>setUSBInternetAccess</b> <b>getUSBInternetAccess</b>	<i>Enable</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>					
sud gud	<b>setUserDatum</b> <b>getUserDatum</b>	<b>Datum</b> <i>Datum</i>	<i>Tx</i>	<i>Ty</i>	<i>Tz</i>	<i>Rx</i>	<i>Ry</i>	<i>Rz</i>	<i>D</i>	

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ 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 2000-01-01 00:00:00	AwakeDuration 0 ... 604800 s	RepetitionPeriod 0 ... 604800 s						
swbi gwbi	setWBIMitigation getWBIMitigation	Mode off on								
swfa gwfa	setWiFiAccessPoint getWiFiAccessPoint	SSID (32) default	EncryptionType none WPA2	Key (40) password	Channel 1 ... 6 ... 11	SSIDActual (32) model-sn				
lwa	lstWiFiAccessPoints	Type								
		+ Known + Reachable all								
swfm gwfm	setWiFiMode getWiFiMode	Enable off on	Mode AccessPoint Client							

# SBF List

ASCIIn	BBSamples	BDSAlm
BDSCNav2	BDSIon	BDSNav
BDSRaw	BDSRawB1C	BDSRawB2a
BDSRawB2b	BDSUtc	BaseStation
BaseVectorCart	BaseVectorGeod	ChannelStatus
Commands	Comment	CosmosStatus
DOP	DiffCorrIn	DiskStatus
DynDNSStatus	EndOfMeas	EndOfPVT
ExtEvent	ExtEventBaseVectGeod	ExtEventPVTCartesian
ExtEventPVTGeodetic	GALAlm	GALAuthStatus
GALGstGps	GALLon	GALNav
GALRawCNAV	GALRawFNAV	GALRawINAV
GALSARRLM	GALUtc	GEOAlm
GEOClockEphCovMatrix	GEOCorrections	GEODegrFactors
GEOFastCorr	GEOFastCorrDegr	GEOIGPMask
GEOIntegrity	GEOlonoDelay	GEOLongTermCorr
GEOMT00	GEONav	GEONetworkTime
GEOPRNMmask	GEORawL1	GEORawL5
GEOServiceLevel	GLOAlm	GLONav
GLORawCA	GLOTime	GPSAlm
GPSCNav	GPSIon	GPSNav
GPSRawCA	GPSRawL1C	GPSRawL2C
GPSRawL5	GPSUtc	Group1
Group2	Group3	Group4
IPStatus	InputLink	LBAS1DecoderStatus
LBAS1Messages	LBandBeams	LBandTrackerStatus
LogStatus	Meas3CN0HiRes	Meas3Doppler
Meas3MP	Meas3PP	Meas3Ranges
MeasEpoch	MeasExtra	NAVICRaw
NTRIPClientStatus	NTRIPServerStatus	NavICLNav
OutputLink	P2PPStatus	PVTCartesian
PVTGeodetic	PVTResiduals	PVTSatCartesian
PVTSupport	PVTSupportA	PosCart
PosCovCartesian	PosCovGeodetic	PosLocal
PosProjected	PowerStatus	QZSAlm
QZSNav	QZSRawL1C	QZSRawL1CA
QZSRawL1S	QZSRawL2C	QZSRawL5
QZSRawL5S	QZSRawL6	QualityInd
RAIMStatistics	RFStatus	RTCMDatum
ReceiverSetup	ReceiverStatus	ReceiverTime
RxComponents	RxMessage	SatVisibility
SystemInfo	VelCovCartesian	VelCovGeodetic