

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	setAGCMode getAGCMode	Band Band	Mode Mode	Gain Gain						
		+ L1 + L2 all	auto frozen manual	0 ... 35 ... 70 dB						
lai	IstAntennaInfo	Antenna Antenna								
		Overview Main Aux1 [antenna name]								
sal gal	setAntennaLocation getAntennaLocation	Antenna Antenna	Mode Mode	DeltaX DeltaX	DeltaY DeltaY	DeltaZ DeltaZ				
		+ Aux1 + Base all	auto manual	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m				
sao gao	setAntennaOffset getAntennaOffset	Antenna Antenna	DeltaE DeltaE	DeltaN DeltaN	DeltaU DeltaU	Type (20) Type (20)	SerialNr (20) SerialNr (20)			
		+ Main + Aux1 all	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 m	Unknown	Unknown			
sto gto	setAttitudeOffset getAttitudeOffset	Heading Heading	Pitch Pitch							
		-360.000 ... 0.000 ... 360.000 deg	-90.000 ... 0.000 ... 90.000 deg							
sbbs gbbs	setBBSamplingMode getBBSamplingMode	Mode Mode								
		BeforeIM AfterIM								
sca gca	setChannelAllocation getChannelAllocation	Channel Channel	Satellite Satellite	Search Search	Doppler Doppler	Window Window				
		+ Ch01 ... Ch60 all	auto G01 ... G32 F01 ... F14 E01 ... E36 S120 ... S158 C01 ... C63 J01 ... J07	auto manual	-50000 ... 0 ... 50000 Hz	1 ... 16000 ... 100000 Hz				
scia gcia	setCheckInternetAvailability getCheckInternetAvailability	Mode Mode								
		off on								
scst gcst	setClockSyncThreshold getClockSyncThreshold	Threshold Threshold								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		ClockSteering <u>usec500</u> msec1 msec2 msec3 msec4 msec5								
sc2f gc2f	setCMRv2Formatting getCMRv2Formatting	<i>ReferenceID</i>								
		0...31								
sc2i gc2i	setCMRv2Interval getCMRv2Interval	Message <i>Message</i>	<i>Interval</i>							
		+ CMR0 + CMR1 + CMR2 + CMR3 all	0.1 ... 1.0 ... 600.0 s							
sc2m gc2m	setCMRv2Message2 getCMRv2Message2	<i>ShortID (8)</i>	<i>LongID (50)</i>	<i>COGO (16)</i>						
		Unknown	Unknown	Unknown						
sc2o gc2o	setCMRv2Output getCMRv2Output	Cd <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 + IPR4 + IPR5 all	none + <u>CMR0</u> + <u>CMR1</u> + <u>CMR2</u> + <u>CMR3</u> all							
sc2u gc2u	setCMRv2Usage getCMRv2Usage	<i>MsgUsage</i>								
		none + <u>CMR0</u> + <u>CMR1</u> + <u>CMR2</u> + <u>CMR3</u> + <u>CMR0p</u> + <u>CMR0w</u> all								
scm gcm	setCN0Mask getCN0Mask	Signal <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 +Reserved2 +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB11 +BDSB21 +BDSB31 +QZSL1CA +QZSL2C all	0 ...10 ...60 dB-Hz							
help	IstCommandHelp	Action (255)								
		Overview								
scs gcs	setCOMSettings getCOMSettings	Cd <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 baud460800 baud500000 baud576000 baud921600 baud1000000 baud1152000 baud1500000 baud2000000 baud2500000 baud3000000 baud3500000 baud4000000	<u>bits8</u>	<u>No</u>	<u>bit1</u>	<u>none</u> RTS CTS			
lcf	IstConfigFile	File								
		Current Boot RxDefault User1 User2								
eccf gccf	exeCopyConfigFile getCopyConfigFile	Source	Target							
		<u>Current</u> Boot User1 User2 RxDefault	<u>Current</u> Boot User1 User2							
scda gcda	setCrossDomainWebAccess getCrossDomainWebAccess	<i>Mode</i>								
		off on								
lcu	IstCurrentUser									
sdcm gdc	setDaisyChainMode getDaisyChainMode	DC <i>DC</i>	<i>Mode</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ DC1 + DC2 all	<u>Raw</u> ASCII							
sdio gdio	setDataInOut getDataInOut	Cd <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 + IPR4 + IPR5 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 ASCIIN <u>auto</u>	none + RTCMv2 + RTCMv3 + CMRv2 + SBF + <u>NMEA</u> + ASCIIDisplay + DC1 + DC2 + Encapsulate	(off) (on) (waiting)					
sdal gdal	setDefaultAccessLevel getDefaultAccessLevel	<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	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 s	0.0 ... 20.0 ... 3600.0 s	0.0 ... 0.0 s	0.0 ... 600.0 ... 3600.0 s					
sdcu gdcu	setDiffCorrUsage getDiffCorrUsage	<i>Mode</i>	<i>MaxAge</i>	<i>BaseSelection</i>	<i>BaseID</i>	<i>MovingBase</i>				
		<u>LowLatency</u>	0.1 ... 3600.0 s	<u>auto</u> manual	0 ... 4095	<u>off</u> on				
sdfa gdfa	setDiskFullAction getDiskFullAction	Disk <i>Disk</i>	<i>Action</i>							
		+ DSK1 all	DeleteOldest <u>StopLogging</u>							
ldi	IstDiskInfo	Disk	Directory (60)							
		DSK1 all								
sdds gd ds	setDynamicDNS getDynamicDNS	<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				
ee cm ge cm	exeEchoMessage getEchoMessage	Cd	Message (242)	EndOfLine						

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 IPR4 IPR5 DC1 DC2	<u>A:Unknown</u>	<u>none</u> + CR + LF all						
sem gem	setElevationMask getElevationMask	Engine <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	-90 ... 0 ... 90 deg							
smth gmth	setENHTransfoHorizontal getENHTransfoHorizontal	TransfoID <i>TransfoID</i>	<i>DeltaE</i>	<i>DeltaN</i>	<i>E0</i>	<i>N0</i>	<i>AlphaEE</i>	<i>AlphaEN</i>	<i>AlphaNE</i>	<i>AlphaNN</i>
		+ 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 <i>TransfoID</i>	<i>DeltaH</i>	<i>E0</i>	<i>N0</i>	<i>AlphaHE</i>	<i>AlphaHN</i>			
		+ 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	<i>Enable</i>								
		off on								
sep gep	setEventParameters getEventParameters	Event <i>Event</i>	<i>Polarity</i>	<i>Delay</i>						
		+ EventA + EventB all	<u>Low2High</u> High2Low	-500.000000 ... 0.000000 ... 500.000000 ms						
sfn gfn	setFileNaming getFileNaming	Cd <i>Cd</i>	<i>NamingType</i>	<i>FileName (20)</i>						
		+ DSK1 all	FileName Incremental IGS15M IGS1H IGS6H IGS24H	log						
sfm gfm	setFrontendMode getFrontendMode	<i>Mode</i>								
		Nominal SingleAnt								
sfpr gfpr	setFTPPushRINEX getFTPPushRINEX	<i>Server (32)</i>	<i>Path (64)</i>	<i>User (12)</i>	<i>Password (24)</i>					
				anonymous						
sfps gfps	setFTPPushSBF getFTPPushSBF	<i>Server (32)</i>	<i>Path (64)</i>	<i>User (12)</i>	<i>Password (24)</i>					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
				anonymous						
efpt gfpt	exeFTPPushTest getFTPPushTest	<i>Server (40)</i>	<i>Path (64)</i>	<i>User (20)</i>	<i>Password (40)</i>					
				anonymous						
efup gfup	exeFTPUpgrade getFTPUpgrade	<i>Server (32)</i>	<i>Path (64)</i>	<i>Login (12)</i>	<i>Password (24)</i>					
				anonymous						
lopk	IstGalOSNMAPublicKeys									
sopk gopk	setGalOSNMAPublicKeys getGalOSNMAPublicKeys	<i>ID</i> <i>ID</i>	<i>Key (233)</i>							
		+ Key0 ... Key15 all								
sou gou	setGalOSNMAUsage getGalOSNMAUsage	<i>Mode</i>	<i>MTRoot (65)</i>							
		off loose strict								
sgd ggd	setGeodeticDatum getGeodeticDatum	<i>TargetDatum</i>								
		WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 Default User1 User2								
sgu ggu	setGeoidUndulation getGeoidUndulation	<i>Mode</i>	<i>Undulation</i>							
		auto manual	-250.000 ... 0.000 ... 250.000 m							
sfno gfno	setGlobalFileNamingOptions getGlobalFileNamingOptions	<i>BusyTag</i>								
		off <u>on</u>								
sga gga	setGNSSAttitude getGNSSAttitude	<i>Source</i>	<i>MultiAntennaMod</i>							
		none MovingBase <u>MultiAntenna</u>	+ Float + Fixed							
sgpf ggpf	setGPIOFunctionality getGPIOFunctionality	<i>GPPin</i> <i>GPPin</i>	<i>Mode</i>	<i>Input</i>	<i>Output</i>					
		+ GP1 + GP2 all	<u>Output</u>	none	<u>LevelLow</u> <u>LevelHigh</u>					
shm ghm	setHealthMask getHealthMask	<i>Engine</i> <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	off <u>on</u>							
shs ghs	setHttpsSettings getHttpsSettings	<i>Protocol</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ HTTP + HTTPS all								
lif	setInternalFile	File								
		Permissions Identification Debug Error SisError DiffCorrError SetupError 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 + IPR4 + IPR5 all	0 ... 65535	TCP2Way UDP	0.0.0.0					
sis 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	
slm glm	setLEDMode getLEDMode	GPLED	GPLED2							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		DIFFCORLED PVTLED TRACKLED LOGLED RTKLED	DIFFCORLED PVTLED TRACKLED LOGLED RTKLED							
slco glco	setLocalCoordOperation getLocalCoordOperation	<i>OpName (100)</i>	<i>ENHTransfo</i>							
		NETWORK	none lt1							
llc	IstLocalCoordOperations	Operation								
		Overview								
login	Login	<i>UserName (16)</i>	<i>Password (32)</i>							
logout	LogOut									
smv gmv	setMagneticVariance getMagneticVariance	<i>Mode</i>	<i>Variation</i>							
		auto manual	-180.0 ... 0.0 ... 180.0 deg							
emd gmd	exeManageDisk getManageDisk	Disk	Action							
		DSK1	Unmount Mount Format							
smp gmp	setMarkerParameters getMarkerParameters	<i>MarkerName (60)</i>	<i>MarkerNumber (10)</i>	<i>MarkerType (20)</i>	<i>StationCode (10)</i>	<i>MonumentIdx</i>	<i>ReceiverIdx</i>	<i>CountryCode (3)</i>		
		SEPT	Unknown	Unknown		0...9	0...9			
smrf gmr	setMeas3MaxRefInterval getMeas3MaxRefInterval	<i>MaxIntrvl</i>								
		OnlyRef msec500 sec1 sec5 sec10 sec30 sec60								
lmd	IstMIBDescription	File (255)								
		Overview SBFTable								
smm gmm	setMultipathMitigation getMultipathMitigation	<i>Code</i>	<i>Carrier</i>							
		off on	off on							
snc gnrc	setNetworkRTKConfig getNetworkRTKConfig	<i>NetworkType</i>								
		auto VRS								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
enoc gnoc	exeNMEAOnce getNMEAOnce	Cd	Messages							

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 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	+ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +LLQ +RBP +RBV +RBD +AVR +GGAaux1 +GGK +GFA +GGQ +LLK +GMP +TFM +SNC +THS							
sno	setNMEAOutput	Stream	Cd	Messages	Interval					
gno	getNMEAOutput	Stream								
		+ Stream1 ... Stream10 all	none DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	none +ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +LLQ +RBP +RBV +RBD +AVR +GGAaux1 +GGK +GFA +GGQ +LLK +GMP +TXTbase +TFM +SNC +THS	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snp	setNMEAPrecision	NrExtraDigits	Compatibility	LocalDatum	MinStdDev					
gnp	getNMEAPrecision									

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		0 ... 2 ... 3	Nominal Mode1 Mode2	off only	0.000 ... 0.001 ... 1.000 m					
snti gnti	setNMEATalkerID getNMEATalkerID	TalkerID								
		auto GP GN								
snv gnv	setNMEAVersion getNMEAVersion	Version								
		v3x v4x								
snf gnf	setNotchFiltering getNotchFiltering	Notch Notch	Mode	CenterFreq	Bandwidth	Antenna				
		+ Notch1 + Notch2 + Notch3 all	off manual	1100.000 ... 1700.000 MHz	30 ... 1600 kHz	Main Aux1				
snc gnc	setNtpClient getNtpClient	Mode	Server (40)							
		on off	default							
sntp gntp	setNTPServer getNTPServer	Enable								
		off on								
snmp gnmp	setNtripCasterMountPoints getNtripCasterMountPoints	MountPointID MountPointID	Enable	MPName (32)	ExtServer	UserName (20)	Password (40)	ClientAuth		
		+ MP1 + MP2 + MP3 all	off on		No Yes			none basic		
smpf gmpf	setNtripCasterMPFormat getNtripCasterMPFormat	MountPointID MountPointID	Format	ManualFt (30)	FtDetails (100)					
		+ MP1 + MP2 + MP3 all	RTCMv2 RTCMv3 CMR NMEA RAW manual							
sncs gncs	setNtripCasterSettings getNtripCasterSettings	Mode	Port	Identifier (100)	TlsPort					
		off on	0 ... 2101 ... 65535	default	0 ... 2102 ... 65535					
sncu gncu	setNtripCasterUsers getNtripCasterUsers	UserID UserID	UserName (20)	Password (40)	MountPoints	MaxClients				
		+ User1 + User2 + User3 + User4 + User5 all			none + MP1 + MP2 + MP3 all	1 ... 10				
snts gnst	setNtripSettings getNtripSettings	Cd Cd	Mode	Caster (40)	Port	UserName (20)	Password (40)	MountPoint (32)	Version	SendGGA

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ 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	IstNTRIPSourceTable	Caster (40)	<i>Port</i>							
			0 ... 2101 ... 65535							
sntt gntt	setNtripTlsSettings getNtripTlsSettings	Cd <i>Cd</i>	<i>Enable</i>	<i>Fingerprint (96)</i>						
		+ NTR1 + NTR2 + NTR3 all	<u>off</u> on							
soc goc	setObserverComment getObserverComment	<i>Comment (120)</i>								
		<u>Unknown</u>								
sop gop	setObserverParameters getObserverParameters	<i>Observer (20)</i>	<i>Agency (40)</i>							
		<u>Unknown</u>	<u>Unknown</u>							
spe gpe	setPeriodicEcho getPeriodicEcho	Cd <i>Cd</i>	<i>Message (201)</i>	<i>Interval</i>						
		+ COM1 + COM2 + COM3 + COM4 all	<u>A:Unknown</u>	<u>off</u> once msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60						
sp2p gp2p	setPointToPoint getPointToPoint	SessionID <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	<u>Off</u> Server	COM1 COM2 COM3 COM4	192.168.50.2	192.168.50.1	<u>None</u> PAP CHAP		60 ... 300 s	10 ... 600 ... 32000 s
spfw gpfw	setPortFirewall getPortFirewall	Interface <i>Interface</i>	<i>OpenPorts</i>	<i>PortList (100)</i>						
		+ Ethernet all	none <u>default</u> all PortList							
epwm gpwm	exePowerMode getPowerMode	Mode								
		<u>StandBy</u>								
spps gpss	setPPSPParameters getPPSPParameters	<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 sec4 sec5 sec10 sec30 sec60	Low2High High2Low	-1000000.00 ... 0.00 ... 1000000.00 ns	GPS Galileo BeiDou GLONASS UTC RxClock	0 ... 60 ... 3600 s	0.001 ... 5.000 ... 1000.000 ms			
spm gpm	setPVTMode getPVTMode	Mode	RoverMode	RefPos						
		Static Rover	+ StandAlone + SBAS + DGPS + RTKFloat + RTKFixed + RTK all	auto Geodetic1 Geodetic2 Geodetic3 Geodetic4 Geodetic5 Cartesian1 Cartesian2 Cartesian3 Cartesian4 Cartesian5						
srl grl	setRAIMLevels getRAIMLevels	Mode	Pfa	Pmd	Reliability					
		off on	-12 ... 4 ... -1	-12 ... 4 ... -1	-12 ... 3 ... -1					
grc	getReceiverCapabilities									
srd grd	setReceiverDynamics getReceiverDynamics	Level	Motion							
		Max High Moderate Low	Static Quasistatic Pedestrian Automotive RaceCar HeavyMachinery UAV Unlimited							
gri	getReceiverInterface	Item								
		+ RxName + SNMPLanguage + SNMPVersion all								
lrf	IstRecordedFile	Disk	FileName (60)							
		DSK1								
era gra	exeRegisteredApplications getRegisteredApplications	Cd	Application (12)							

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 all	<u>Unknown</u>							
erf grf	exeRemoveFile getRemoveFile	Disk	FileName (200)							
		DSK1	none all							
ernf grnf	exeResetNavFilter getResetNavFilter	Level								
		+ PVT + AmbRTK + GNSSAttitude + AmbGNSSAttitud all								
erst grst	exeResetReceiver getResetReceiver	Level	EraseMemory							
		Soft <u>Hard</u> Upgrade	none + Config + PVTData + SatData + HTTPSCertificate + SISAuthData all							
srxl grxl	setRINEXLogging getRINEXLogging	Cd <i>Cd</i>	<i>FileDuration</i>	<i>ObsInterval</i>	<i>SignalTypes</i>	<i>ExtraObsTypes</i>	<i>RINEXVersion</i>	<i>MixedNav</i>		
		+ DSK1 all	none hour1 hour6 hour24 minute15	sec1 sec2 sec5 sec10 sec15 sec30 sec60	none + GPSL1CA + GPSL2PY + GPSL2C + GLOL1CA + GLOL2CA + GALL1BC + GALE5b + GEOL1 + BDSB1I + BDSB2I + BDSB3I + QZSL1CA + QZSL2C all	none + Dx + Sx + Channel all	v211 <u>v304ShortName</u>	off <u>on</u>		
sr2c gr2c	setRTCMv2Compatibility getRTCMv2Compatibility	<i>PRCType</i>	<i>GLOToD</i>	<i>RTKVersion</i>						
		<u>Standard</u> GroupDelay	Tk Tb	v2.1 <u>v2.2orLater</u>						
sr2f gr2f	setRTCMv2Formatting getRTCMv2Formatting	<i>ReferenceID</i>	<i>GLOToD</i>							
		0 ... 1023	Tk Tb							
sr2i gr2i	setRTCMv2Interval getRTCMv2Interval	Message <i>Message</i>	<i>ZCount</i>							

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	<i>Message</i> <i>Message</i>	<i>Interval</i>							
		+RTCM18 19 +RTCM20 21 all	1...600 s							
sr2m gr2m	setRTCMv2Message16 getRTCMv2Message16	<i>Message (90)</i>								
		Unknown								
sr2o gr2o	setRTCMv2Output getRTCMv2Output	<i>Cd</i> <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 +IPR4 +IPR5 all	none <u>+RTCM1</u> <u>+RTCM3</u> +RTCM9 +RTCM16 +RTCM18 19 +RTCM20 21 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 +RTCM17 +DGPS +RTK all							
sr2u gr2u	setRTCMv2Usage getRTCMv2Usage	<i>MsgUsage</i>								
		none <u>+RTCM1</u> <u>+RTCM3</u> +RTCM9 +RTCM15 +RTCM18 19 +RTCM20 21 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 +RTCM34 +RTCM17 +RTCM59 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>ReferencelD</i>	<i>MSMsignals</i>	<i>GLOL2</i>	<i>RxType (32)</i>					
		0 ... 4095	+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C all	<u>L2CA</u>	<u>default</u>					
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 +RTCM1042 +RTCM1044 +RTCM1046 +RTCM1230 +MSM1 ... MSM7 all	0.1 ... 1.0 ... 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	none							
		+ COM2	+ RTCM1001							
		+ COM3	+ RTCM1002							
		+ COM4	+ RTCM1003							
		+ USB1	+ RTCM1004							
		+ USB2	+ RTCM1005							
		+ IP10 ... IP17	+ RTCM1006							
		+ NTR1	+ RTCM1007 ...							
		+ NTR2	RTCM1013							
		+ NTR3	+ RTCM1019							
		+ IPS1	+ RTCM1020							
		+ IPS2	+ RTCM1029							
		+ IPS3	+ RTCM1033							
		+ IPS4	+ RTCM1042							
		+ IPS5	+ RTCM1044							
		+ IPR1	+ RTCM1046							
		+ IPR2	+ RTCM1071							
		+ IPR3	+ RTCM1072							
		+ IPR4	+ RTCM1073							
		+ IPR5	+ RTCM1074							
		all	+ RTCM1075							
			+ RTCM1076							
			+ RTCM1077							
			+ RTCM1081							
			+ RTCM1082							
			+ RTCM1083							
			+ RTCM1084							
			+ RTCM1085							
			+ RTCM1086							
			+ RTCM1087							
			+ RTCM1091							
			+ RTCM1092							
			+ RTCM1093							
			+ RTCM1094							
			+ RTCM1095							
			+ RTCM1096							
			+ RTCM1097							
			+ RTCM1101 ...							
			RTCM1107							
			+ RTCM1111 ...							
			RTCM1117							
			+ RTCM1121							
			+ RTCM1122							
			+ RTCM1123							
			+ RTCM1124							
			+ RTCM1125							
			+ RTCM1126							
			+ RTCM1127							
			+ RTCM1230							
			+ MSM1							
			+ MSM2							
			+ MSM3							
			+ MSM4							
			+ MSM5							
			+ MSM6							
			+ MSM7							
			all							
sr3u	setRTCMv3Usage	<i>MsgUsage</i>								
gr3u	getRTCMv3Usage									

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 +RTCM1042 +RTCM1044 +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 gst	setSatelliteTracking getSatelliteTracking	<i>Satellite</i>								
		none +G01 ... G32 +R01 ... R30 +E01 ... E36 +S120 ... S158 +C01 ... C63 +J01 ... J07 +GPS +GLONASS +GALILEO +SBAS +BEIDOU +QZSS all								
ssu gsu	setSatelliteUsage getSatelliteUsage	<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 ... R24 + R25 + R26 + R27 + R28 + R29 + R30 + E01 ... E36 + S120 ... S158 + C01 ... C63 + J01 ... J07 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS all								
ssbc gsbc	setSBASCorrections getSBASCorrections	<i>Satellite</i>	<i>SISMode</i>	<i>NavMode</i>	<i>DO229Version</i>					
		auto EGNOS WAAS MSAS GAGAN SDCM S120 ... S158	Test <u>Operational</u>	EnRoute PrecApp <u>MixedSystems</u>	auto DO229C					
ssgp gsgp	setSBFGroups getSBFGroups	Group <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 + PVTEExtra + Attitude + Time + Events + DiffCorr + Status + PostProcess + Rinex + RinexMeas3 + Support							
esoc gsoc	exeSBFOnce getSBFOnce	<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
		DSK1 COM1 COM2 COM3 COM4 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 + PVTEExtra + Attitude + Time + Status + UserGroups + PostProcess + Rinex + RinexMeas3 + Support							
sso	setSBFOutput	Stream	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					
gso	getSBFOutput	<i>Stream</i>								
		+ Stream1 ... Stream10 + Res1 + Res2 + Res3 + Res4 all	<i>none</i> DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	<i>none</i> [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTEExtra + Attitude + Time + Event + DiffCorr + Status + UserGroups + PostProcess + Rinex + RinexMeas3 + Support	<i>off</i> OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snt	setSignalTracking	<i>Signal</i>								
gnt	getSignalTracking									

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 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C +GPS +GLONASS +GALILEO +SBAS +BEIDOU +QZSS all								
snu gnu	setSignalUsage getSignalUsage	<i>PVT</i>	<i>NavData</i>							
		+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C all	+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C all							
ssi gsi	setSmoothingInterval getSmoothingInterval	Signal <i>Signal</i>	<i>Interval</i>	<i>Alignment</i>						
		+GPSL1CA +GPSL2PY +GPSL2C +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB2I +BDSB3I +QZSL1CA +QZSL2C all	0...1000 s	0...1000 s						
sspc gspc	setStaticPosCartesian getStaticPosCartesian	Position <i>Position</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>Datum</i>				
		+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 GDA2020 User1 User2 Other				
sspg gspg	setStaticPosGeodetic getStaticPosGeodetic	Position <i>Position</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Altitude</i>	<i>Datum</i>				

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ Geodetic1 + Geodetic2 + Geodetic3 + Geodetic4 + Geodetic5 all	-90.000000000 ...0.000000000 ...90.000000000 deg	180.000000000 ...0.000000000 ...180.000000000 deg	- ...-1000.0000 ...30000.0000 m	WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 User1 User2 Other				
sts gts	setTimingSystem getTimingSystem	System								
		Galileo GPS BeiDou auto								
stlp gtlp	setTrackingLoopParameters getTrackingLoopParameters	Signal Signal	DLLBandwidth	PLLBandwidth	MaxTpDLL	MaxTpPLL	Adaptive			
		+ GPSL1CA + Reserved2 + GPSL2C + GLOL1CA + GLOL2CA + GALL1BC + GALE5b + GEOL1 + BDSB1I + BDSB2I + BDSB3I + QZSL1CA + QZSL2C all	0.01 ...0.25 ...5.00 Hz	1 ...15 ...100 Hz	1 ...100 ...500 ms	1 ...10 ...200 ms	off on			
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								
suia guia	setUSBInternetAccess getUSBInternetAccess	Enable								
		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

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ User1 + User2 all	-2000.00 ... 0.00 ... 2000.00 mm/yr	-2000.00 ... 0.00 ... 20000.00 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	<i>Datum</i> <i>Datum</i>	A	<i>Invf</i>						
		+ User1 + User2 all	6300000.000 ... 6378137.000 ... 6400000.000 m	290.000000000 ... 298.25722356 ... 305.000000000						
swbi gwbi	setWBIMitigation getWBIMitigation	<i>Mode</i>								
		<u>off</u> 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
ExtEventAttEuler	ExtEventBaseVectGeod	ExtEventPVTCartesian
ExtEventPVTGeodetic	GALAlm	GALAuthStatus
GALGstGps	GALIon	GALNav
GALRawINAV	GALSARRLM	GALUtc
GEOAlm	GEOClockEphCovMatrix	GEODegrFactors
GEOFastCorr	GEOFastCorrDegr	GEOIGPMask
GEOIntegrity	GEOIonoDelay	GEOLongTermCorr
GEOMT00	GEONav	GEONetworkTime
GEOPRNMask	GEORawL1	GEOServiceLevel
GLOAlm	GLONav	GLORawCA
GLOTime	GPSAlm	GPSIon
GPSNav	GPSRawCA	GPSRawL2C
GPSUtc	Group1	Group2
Group3	Group4	IPStatus
InputLink	Meas3CN0HiRes	Meas3Doppler
Meas3MP	Meas3PP	Meas3Ranges
MeasEpoch	MeasExtra	NTRIPClientStatus
NTRIPServerStatus	OutputLink	P2PPStatus
PVTCartesian	PVTGeodetic	PVTSupport
PVTSupportA	PosCart	PosCovCartesian
PosCovGeodetic	PosLocal	PosProjected
QZSAlm	QZSNav	QZSRawL1CA
QZSRawL2C	QualityInd	RFStatus
RTCMDatum	ReceiverSetup	ReceiverStatus
ReceiverTime	RxMessage	SatVisibility
VelCovCartesian	VelCovGeodetic	xPPSOffset