

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 <i>Band</i>	<i>Mode</i>	<i>Gain</i>						
		+ L1 + E6 + L2 all	auto frozen manual	0 ... 35 ... 70 dB						
lai	IstAntennainfo	Antenna								
		Overview Main [antenna name]								
sao gao	setAntennaOffset getAntennaOffset	Antenna <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	Unknown	Unknown	0 ... 255		
sbbs gbbs	setBBSamplingMode getBBSamplingMode	<i>Mode</i>								
		BeforeIM AfterIM								
sca gca	setChannelAllocation getChannelAllocation	Channel <i>Channel</i>	<i>Satellite</i>	<i>Search</i>	<i>Doppler</i>	<i>Window</i>				
		+ 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	<i>Mode</i>								
		off on								
scd gcd	setCLASCrustalDeformation getCLASCrustalDeformation	<i>Mode</i>								
		off on								
eccd gccd	exeClearCollectDatabase getClearCollectDatabase	CollectDB								
		+ CollectDB1 + CollectDB2 + CollectDB3 all								
scst gcst	setClockSyncThreshold getClockSyncThreshold	<i>Threshold</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		ClockSteering usec500 msec1 msec2 msec3 msec4 msec5								
sc2f gc2f	setCMRv2Formatting getCMRv2Formatting	ReferenceID								
		0...31								
sc2i gc2i	setCMRv2Interval getCMRv2Interval	Message Message	Interval							
		+ CMR0 + CMR1 + CMR2 + CMR3 all	0.1 ... 1.0 ... 600.0 s							
sc2m gc2m	setCMRv2Message2 getCMRv2Message2	ShortID (8)	LongID (50)	COGO (16)						
		Unknown	Unknown	Unknown						
sc2o gc2o	setCMRv2Output getCMRv2Output	Cd Cd	Messages							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 + IPR4 + IPR5 all	none + CMR0 + CMR1 + CMR2 + CMR3 all							
sc2u gc2u	setCMRv2Usage getCMRv2Usage	MsgUsage								
		none + CMR0 + CMR1 + CMR2 + CMR3 + CMR0p + CMR0w all								
scm gcm	setCN0Mask getCN0Mask	Signal Signal	Mask							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ GPSL1CA + Reserved2 + GLOL1CA + GLOL2CA + GALL1BC + GALE5b + GEOL1 + BDSB1I + BDSB3I + QZSL1CA + QZSL2C + QZSL6 all	0 ...10 ...60 dB-Hz							
scdd gcdd	setCollectDBAppData getCollectDBAppData	CollectDB <i>CollectDB</i>	<i>AppParams1 (25)</i>	<i>AppParams2 (25)</i>	<i>AppParams3 (25)</i>	<i>AppParams4 (25)</i>				
		+ CollectDB1 + CollectDB2 + CollectDB3 all								
scdt gcdt	setCollectDBAttributes getCollectDBAttributes	Attribute <i>Attribute</i>	<i>CollectDB</i>	<i>Name (40)</i>	<i>Value (40)</i>					
		+ Attr1 ... Attr20 all	<i>none</i> + CollectDB1 + CollectDB2 + CollectDB3							
scdo gcdo	setCollectDBProperties getCollectDBProperties	CollectDB <i>CollectDB</i>	<i>Name (50)</i>							
		+ CollectDB1 + CollectDB2 + CollectDB3 all								
lci	IstCollectedItems	Item	<i>Attributes (255)</i>							
		<i>CollectDB1</i> <i>CollectDB2</i> <i>CollectDB3</i> all [collectid]	"+"-separated list of attributes							
lcp	IstCollectPlaceholders									
ecp gcp	exeCollectPoint getCollectPoint	CollectDB	Comment (250)							
		<i>CollectDB1</i> <i>CollectDB2</i> <i>CollectDB3</i>								
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>			

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	baud1200 baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 baud115200 baud230400 baud460800 baud500000 baud576000 baud921600 baud1000000 baud1152000 baud1500000 baud2000000 baud2500000 baud3000000 baud3500000 baud4000000	<u>bits8</u>	No	<u>bit1</u>	<u>none</u> RTS CTS			
lcf	lcfIstConfigFile	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)							
		off on								
scda gcda	setCrossDomainWebAccess getCrossDomainWebAccess	Mode								
		off on								
lcu	lcfIstCurrentUser									
sdcm gdcml	setDaisyChainMode getDaisyChainMode	DC DC	Mode							
		+ DC1 + DC2 all	Raw ASCII							
sdio gdio	setDataInOut getDataInOut	Cd Cd	Input	Output	Show					

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 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 ASCIIN auto	none + RTCMv2 + RTCMv3 + CMRv2 + SBF + NMEA + ASCIIIDisplay + DC1 + DC2 + Encapsulate	(off) (on) (waiting)					
sdal gdal	setDefaultAccessLevel getDefaultAccessLevel	Web	FileTransfer	Ip	Com	Usb				
		none Viewer User	none Viewer User	none Viewer User	none Viewer User	none Viewer User				
edp gdp	exeDeletePoint getDeletePoint	CollectID								
		0 ...439804651110								
sdca gdca	setDiffCorrMaxAge getDiffCorrMaxAge	DGPSCorr	RTKCorr	PPPCorr	Iono					
		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	Mode	MaxAge	BaseSelection	BaseID					
		LowLatency	0.1 ... 3600.0 s	auto manual	0 ... 4095					
sdfa gdfa	setDiskFullAction getDiskFullAction	Disk Disk	Action							
		+ DSK1 all	DeleteOldest StopLogging							
ldi	lstDiskInfo	Disk	Directory (60)							
		DSK1 all								
sdds gd ds	setDynamicDNS getDynamicDNS	Provider	UserName (40)	Password (40)	Hostname (40)	Bind				
		off dyndns.org no-ip.com				auto Ethernet				
ecm gecm	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 ... <u>0</u> ... 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>
		+ It1 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>			
		+ It1 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>								
		<u>off</u> 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	<u>FileName</u> Incremental IGS15M IGS1H IGS6H IGS24H	<u>log</u>						
sfpr gfpr	setFTPPushRINEX getFTPPushRINEX	<i>Server (32)</i>	<i>Path (64)</i>	<i>User (12)</i>	<i>Password (24)</i>					
				<u>anonymous</u>						
sfps gfps	setFTPPushSBF getFTPPushSBF	<i>Server (32)</i>	<i>Path (64)</i>	<i>User (12)</i>	<i>Password (24)</i>					
				<u>anonymous</u>						
efpt gfpt	exeFTPPushTest getFTPPushTest	Server (40)	Path (64)	User (20)	Password (40)					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
				<u>anonymous</u>						
efup gfup	exeFTPUpgrade getFTPUpgrade	Server (32)	Path (64)	Login (12)	Password (24)					
				<u>anonymous</u>						
lopk	lstGalOSNMAPublicKeys									
sopk gopk	setGalOSNMAPublicKeys getGalOSNMAPublicKeys	ID ID	Key (233)							
		+ Key0 ... Key15 all								
sou gou	setGalOSNMAUsage getGalOSNMAUsage	Mode	MTRoot (65)							
		<u>off</u> 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							
		<u>auto</u> manual	-250.000 ... 0.000 ... 250.000 m							
sfno gfno	setGlobalFileNamingOptions getGlobalFileNamingOptions	BusyTag								
		<u>off</u> <u>on</u>								
sgpf ggpf	setGPIOFunctionality getGPIOFunctionality	GPPin GPPin	Mode	Input	Output					
		+ GP1 + GP2 all	<u>Output</u>	<u>none</u>	<u>LevelLow</u> <u>LevelHigh</u>					
shm ghm	setHealthMask getHealthMask	Engine Engine	Mask							
		+ Tracking + PVT all	<u>off</u> <u>on</u>							
shs ghs	setHttpsSettings getHttpsSettings	Protocol								
		+ <u>HTTP</u> + <u>HTTPS</u> all								
lif	lstInternalFile	File								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		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					
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							
		auto none J01 ... J07	L6D L6E							
slm gim	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 gmrf	setMeas3MaxRefInterval getMeas3MaxRefInterval	<i>MaxIntrvl</i>								
		OnlyRef msec500 sec1 sec5 sec10 sec30 sec60								
lmd	IstMIBDescription	File (255)								
		Overview SBFTable								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
smm gmm	setMultipathMitigation getMultipathMitigation	<i>Code</i>	<i>Carrier</i>							
		off on	off on							
snrc gnrc	setNetworkRTKConfig getNetworkRTKConfig	<i>NetworkType</i>								
		auto VRS								
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 +RMC +VTG +ZDA +LLQ +RBP +RBV +RBD +GGK +GFA +GGQ +LLK +GMP +TFM +SNC							
sno gno	setNMEAOutput getNMEAOutput	Stream Stream	Cd	Messages	Interval					
		+ 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 +RMC +VTG +ZDA +LLQ +RBP +RBV +RBD +GGK +GFA +GGQ +LLK +GMP +TXTbase +TFM +SNC	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snp gnp	setNMEAPrecision getNMEAPrecision	NrExtraDigits	Compatibility	LocalDatum	MinStdDev					
		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								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		v3x v4x								
snf gnf	setNotchFiltering getNotchFiltering	Notch Notch	Mode	CenterFreq	Bandwidth					
		+ Notch1 + Notch2 + Notch3 all	auto off manual	1100.000 ...1700.000 MHz	30 ... 1600 kHz					
snc gnc	setNtpClient getNtpClient	Mode	Server (40)							
		on off	default							
sntp gnntp	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		
smfp gmfp	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 gnnts	setNtripSettings getNtripSettings	Cd Cd	Mode	Caster (40)	Port	UserName (20)	Password (40)	MountPoint (32)	Version	SendGGA
		+ NTR1 + NTR2 + NTR3 all	off Server Client		0 ... 2101 ... 65535				v1 v2	auto off sec1 sec5 sec10 sec60
Inst	IstNTRIPSourceTable	Caster (40)	Port							
			0 ... 2101 ... 65535							
sntt gnntt	setNtripTlsSettings getNtripTlsSettings	Cd Cd	Enable	Fingerprint (96)						

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> 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	<u>192.168.50.2</u>	<u>192.168.50.1</u>	<u>None</u> PAP CHAP		<u>60 ... 300 s</u>	<u>10 ... 600</u> <u>... 32000 s</u>
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 gpps	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	lstRecordedFile	Disk	FileName (60)							
		DSK1								
era gra	exeRegisteredApplications getRegisteredApplications	Cd Cd	Application (12)							

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		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 all	<u>Unknown</u>							
erf grf	exeRemoveFile getRemoveFile	Disk	FileName (200)							
		<u>DSK1</u>	<u>none</u> all							
ernf grnf	exeResetNavFilter getResetNavFilter	Level								
		+ <u>PVT</u> + <u>AmbRTK</u> all								
erst grst	exeResetReceiver getResetReceiver	Level	EraseMemory							
		Soft <u>Hard</u> Upgrade	<u>none</u> + 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>		
		+ <u>DSK1</u> all	<u>none</u> hour1 hour6 hour24 minute15	<u>sec1</u> <u>sec2</u> <u>sec5</u> <u>sec10</u> <u>sec15</u> <u>sec30</u> <u>sec60</u>	<u>none</u> + <u>GPSL1CA</u> + <u>GPSL2PY</u> + <u>GLQ1CA</u> + <u>GLQ12CA</u> + <u>GALL1BC</u> + <u>GALE5b</u> + <u>GEOL1</u> + <u>BDSB1I</u> + <u>BDSB3I</u> + <u>QZSL1CA</u> + <u>QZSL2C</u> all	<u>none</u> + Dx + Sx + Channel all	v211 <u>v304ShortName</u>	off <u>on</u>		
sr2c gr2c	setRTCMv2Compatibility getRTCMv2Compatibility	<i>PRCType</i>	<i>GLToD</i>	<i>RTKVersion</i>						
		<u>Standard</u> GroupDelay	<u>Tk</u> <u>Tb</u>	v2.1 <u>v2.2orLater</u>						
sr2f gr2f	setRTCMv2Formatting getRTCMv2Formatting	<i>ReferenceID</i>	<i>GLToD</i>							
		<u>Q ... 1023</u>	<u>Tk</u> <u>Tb</u>							
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	Message Message	Interval							
		+RTCM18 19 +RTCM20 21 all	1...600 s							
sr2m gr2m	setRTCMv2Message16 getRTCMv2Message16	Message (90)								
		Unknown								
sr2o gr2o	setRTCMv2Output getRTCMv2Output	Cd Cd	Messages							
		+COM1 +COM2 +COM3 +COM4 +USB1 +USB2 +IP10 ... IP17 +NTR1 +NTR2 +NTR3 +IPS1 +IPS2 +IPS3 +IPS4 +IPS5 +IPR1 +IPR2 +IPR3 +IPR4 +IPR5 all	none +RTCM1 +RTCM3 +RTCM9 +RTCM16 +RTCM18 19 +RTCM20 21 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 +RTCM17 +DGPS +RTK all							
sr2u gr2u	setRTCMv2Usage getRTCMv2Usage	MsgUsage								
		none +RTCM1 +RTCM3 +RTCM9 +RTCM15 +RTCM18 19 +RTCM20 21 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 +RTCM34 +RTCM17 +RTCM59 all								
sr3t gr3t	setRTCMv3CRSTransfo getRTCMv3CRSTransfo	Mode	TargetName (32)							
		auto manual								
sr3d gr3d	setRTCMv3Delay getRTCMv3Delay	Delay								

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 +GPSL2PY +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +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	<u>0.1 ... 1.0</u> <u>... 600.0 s</u>							
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 + IPR4 + IPR5 all	none + RTCM1001 + RTCM1002 + RTCM1003 + RTCM1004 + RTCM1005 <u>+ RTCM1006</u> + RTCM1007 ... RTCM1013 + RTCM1019 + RTCM1020 + RTCM1029 <u>+ RTCM1033</u> + RTCM1042 + RTCM1044 + RTCM1046 + RTCM1071 + RTCM1072 + RTCM1073 <u>+ RTCM1074</u> + RTCM1075 + RTCM1076 + RTCM1077 + RTCM1081 + RTCM1082 + RTCM1083 <u>+ RTCM1084</u> + RTCM1085 + RTCM1086 + RTCM1087 + RTCM1091 + RTCM1092 + RTCM1093 <u>+ RTCM1094</u> + RTCM1095 + RTCM1096 + RTCM1097 + RTCM1101 ... RTCM1107 + RTCM1111 ... RTCM1117 + RTCM1121 + RTCM1122 + RTCM1123 <u>+ RTCM1124</u> + RTCM1125 + RTCM1126 + RTCM1127 <u>+ RTCM1230</u> + 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 + <u>RTCM1001</u> ... <u>RTCM1013</u> + <u>RTCM1015</u> + <u>RTCM1016</u> + <u>RTCM1017</u> + <u>RTCM1019</u> ... <u>RTCM1027</u> + <u>RTCM1029</u> + <u>RTCM1033</u> + <u>RTCM1037</u> + <u>RTCM1038</u> + <u>RTCM1039</u> + <u>RTCM1042</u> + <u>RTCM1044</u> + <u>RTCM1046</u> + <u>RTCM1071</u> ... <u>RTCM1077</u> + <u>RTCM1081</u> ... <u>RTCM1087</u> + <u>RTCM1091</u> ... <u>RTCM1097</u> + <u>RTCM1111</u> ... <u>RTCM1117</u> + <u>RTCM1121</u> ... <u>RTCM1127</u> + <u>RTCM1230</u> + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 all								
sst gst	setSatelliteTracking getSatelliteTracking	<i>Satellite</i>								
		none + <u>G01</u> ... <u>G32</u> + <u>R01</u> ... <u>R30</u> + <u>E01</u> ... <u>E36</u> + <u>S120</u> ... <u>S158</u> + <u>C01</u> ... <u>C63</u> + <u>J01</u> ... <u>J07</u> + 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 + <u>G01 ... G32</u> + <u>R01 ... R24</u> + R25 + R26 + R27 + R28 + R29 + R30 + <u>E01 ... E36</u> + S120 ... S158 + <u>C01 ... C63</u> + <u>J01 ... J07</u> + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS all								
ssbc gssc	setSBASCorrections getSBASCorrections	<i>Satellite</i>	<i>SISMode</i>	<i>NavMode</i>	<i>DO229Version</i>					
		<u>auto</u> EGNOS WAAS MSAS GAGAN SDCM S120 ... S158	Test <u>Operational</u>	EnRoute PrecApp <u>MixedSystems</u>	<u>auto</u> DO229C					
ssgp gsgp	setSBFGroups getSBFGroups	Group <i>Group</i>	<i>Messages</i>							
		+ Group1 + Group2 + Group3 + Group4 all	<u>none</u> [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTEExtra + Time + Events + DiffCorr + Status + PostProcess + Rinex + RinexMeas3 + Support							
esoc gsoc	exeSBFOnce getSBFOnce	Cd	Messages							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		DSK1 COM1 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 + Time + Status + UserGroups + PostProcess + Rinex + RinexMeas3 + Support							
ssd gso	setSBFOutput getSBFOutput	Stream Stream	Cd	Messages	Interval					
		+ Stream1 ... Stream10 + Res1 + Res2 + Res3 + Res4 all	none DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5	none [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTEExtra + Time + Event + DiffCorr + Status + UserGroups + PostProcess + Rinex + RinexMeas3 + Support	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snt gnt	setSignalTracking getSignalTracking	Signal								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +GPSL2PY +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB3I +QZSL1CA +QZSL2C +QZSL6 GPS GLONASS GALILEO SBAS BEIDOU QZSS all								
snu gnu	setSignalUsage getSignalUsage	PVT	NavData							
		+GPSL1CA +GPSL2PY +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB3I +QZSL1CA +QZSL2C +QZSL6 all	+GPSL1CA +GPSL2PY +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB3I +QZSL1CA +QZSL2C +QZSL6 all							
ssi gsi	setSmoothingInterval getSmoothingInterval	Signal Signal	Interval	Alignment						
		+GPSL1CA +GPSL2PY +GLOL1CA +GLOL2CA +GALL1BC +GALE5b +GEOL1 +BDSB1I +BDSB3I +QZSL1CA +QZSL2C +QZSL6 all	0 ... 1000 s	0 ... 1000 s						
sspc gspc	setStaticPosCartesian getStaticPosCartesian	Position Position	X	Y	Z	Datum				
		+ Cartesian1 + Cartesian2 + Cartesian3 + Cartesian4 + Cartesian5 all	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 User1 User2 Other				
sspg gspg	setStaticPosGeodetic getStaticPosGeodetic	Position Position	Latitude	Longitude	Altitude	Datum				

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 ... 0.0000 ... 30000.0000 m	WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 User1 User2 Other				
stss gtss	setTimeSyncSource getTimeSyncSource	Source								
		none EventA EventB								
sts gts	setTimingSystem getTimingSystem	System								
		Galileo GPS BeiDou auto								
stlp gtlp	setTrackingLoopParameters getTrackingLoopParameters	Signal Signal	DLLBandwidth	PLLBandwidth	MaxTpDLL	MaxTpPLL	Adaptive			
		+ GPSL1CA + Reserved2 + GLOL1CA + GLOL2CA + GALL1BC + GALE5b + GEOL1 + BDSB1I + BDSB3I + QZSL1CA + QZSL2C + Reserved3 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								
eup gup	exeUpdatePoint getUpdatePoint	CollectID	Comment (250)							
		0 ... 43980465111								
suia guia	setUSBInternetAccess getUSBInternetAccess	Enable								
		off on								
sual gual	setUserAccessLevel getUserAccessLevel	UserID UserID	UserName (16)	Password (32)	UserLevel	SSHKey (232)				

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ User1 User8 all	...		Viewer <u>User</u>					
sud gud	setUserDatum getUserDatum	Datum <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	setUserDatumVel getUserDatumVel	Datum <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	setUserEllipsoid getUserEllipsoid	Datum <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						
swbi gwbi	setWBIMitigation getWBIMitigation	<i>Mode</i>								
		off on								
ewcf gwcf	exeWriteCollectCsvFile getWriteCollectCsvFile	CollectDB	Disk	FileName (8)	Separator					
		CollectDB1 CollectDB2 CollectDB3	DSK1	collect	Comma Tab Colon SemiColon Space Vertical_Bar					

SBF List

ASCIIn	BBSamples	BDSAlm
BDSIon	BDSNav	BDSRaw
BDSUtc	BaseStation	BaseVectorCart
BaseVectorGeod	ChannelStatus	Commands
Comment	CosmosStatus	DOP
DiffCorrIn	DiskStatus	DynDNSStatus
EndOfMeas	EndOfPVT	ExtEvent
ExtEventBaseVectGeod	ExtEventPVTCartesian	ExtEventPVTGeodetic
GALAlm	GALAuthStatus	GALGstGps
GALLon	GALNav	GALRawINAV
GALSARRLM	GALUtc	GEOAlm
GEOClockEphCovMatrix	GEODegrFactors	GEOFastCorr
GEOFastCorrDegr	GEOIGPMask	GEOIntegrity
GEOlonoDelay	GEOLongTermCorr	GEOMT00
GEONav	GEONetworkTime	GEOPRNMMask
GEORawL1	GEOServiceLevel	GISAction
GISStatus	GLOAlm	GLONav
GLORawCA	GLOTime	GPSAlm
GPSIon	GPSNav	GPSRawCA
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	QZSRawL6	QualityInd
RFStatus	RTCMDatum	ReceiverSetup
ReceiverStatus	ReceiverTime	RxMessage
SatVisibility	VelCovCartesian	VelCovGeodetic
xPPSOffset		