

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 + B3E6 + L2 + L5 + LBand all	<u>auto</u> frozen manual	0 ... <u>35</u> ... 70 dB						
lai	IstAntennaInfo	Antenna								
		Overview Main Aux1 [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>	<i>APCOutput</i>	
		+ Main + Aux1 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>	<u>0</u> ... 255	<u>off</u> on	
lad	IstAsciiDisplay									
sto gto	setAttitudeOffset getAttitudeOffset	<i>Heading</i>	<i>Pitch</i>							
		-360.000 ... 0.000 ... 360.000 deg	-90.000 ... 0.000 ... 90.000 deg							
sbcp gbcp	setBaseCPB getBaseCPB	<i>Mode</i>	<i>L1CPB</i>	<i>L2CPB</i>						
		<u>auto</u> manual Ashtech Javad Leica Magellan Novatel Septentrio Topcon Trimble Unicore	-1000.00 ... 0.00 ... 1000.00 m	-1000.00 ... 0.00 ... 1000.00 m						
sbbs gbbs	setBBSamplingMode getBBSamplingMode	<i>Mode</i>								
		<u>BeforeIM</u> AfterIM								
scco gcco	setCalibCommonDelay getCalibCommonDelay	<i>CommonDelay</i>								
		-10000.000 ... 0.000 ... 10000.000 ns								
scsi gcsi	setCalibSignalDelay getCalibSignalDelay	Signal <i>Signal</i>	<i>SignalDelay</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 +GLOL2P +GLOL2CA +GLOL3 +GALE1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL1CB +NAVICL5 all	-1000.000 ...0.000 ...1000.000 ns							
sca gca	setChannelAllocation getChannelAllocation	Channel <i>Channel</i>	<i>Satellite</i>	<i>Search</i>	<i>Doppler</i>	<i>Window</i>				
		+Ch01 ... Ch80 all	auto G01 ... G36 G38 G39 F01 ... F14 E01 ... E36 S120 ... S158 C01 ... C63 J01 ... J10 I01 ... I14	auto manual	-50000 ... 0 ...50000 Hz	1 ... 16000 ...100000 Hz				
scst gcst	setClockSyncThreshold getClockSyncThreshold	<i>Threshold</i>	<i>StartupSync</i>							
		ClockSteering <u>usec500</u>	off on							
sc2u gc2u	setCMRv2Usage getCMRv2Usage	<i>MsgUsage</i>								
		none +CMR0 +CMR1 +CMR2 +CMR3 +CMR0p +CMR0w 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 +GPSL5 +GPSL1C +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALE1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL1CB +NAVICL5 all	0 ... <u>10</u> ... 60 dB-Hz							
help	IstCommandHelp	Action (255)								
		Overview [command]								
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 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								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		Current Boot RxDefault User1 User2 Permanent								
eccf gccf	exeCopyConfigFile getCopyConfigFile	<i>Source</i>	<i>Target</i>							
		Current Boot User1 User2 RxDefault	Current Boot User1 User2							
lcu	IstCurrentUser									
sdcm gdcf	setDaisyChainMode getDaisyChainMode	<i>DC</i> <i>DC</i>	<i>Mode</i>							
		+ DC1 + DC2 all	Raw ASCII RTCMv3							
sdio gdio	setDataInOut getDataInOut	<i>Cd</i> <i>Cd</i>	<i>Input</i>	<i>Output</i>	<i>Show</i>					
		+ DSK1 + COM1 + COM2 + USB1 + USB2 all	none CMD RTCMv3 CMRv2 DC1 DC2 ASCIIIN auto	none + RTCMv3 + SBF + NMEA + ASCIIIDisplay + DC1 + DC2 + LBandBeam1 + LBandBeam2 + LBandBeam3 + LBandBeam4 + LBandBeam5	(off) (on) (waiting)					
sdal gdal	setDefaultAccessLevel getDefaultAccessLevel	<i>Com</i>	<i>Usb</i>							
		none Viewer User	none Viewer User							
sdca gdca	setDiffCorrMaxAge getDiffCorrMaxAge	<i>DGNSSCorr</i>	<i>RTKCorr</i>	<i>PPPCorr</i>						
		0.0 ... 400.0 ... 3600.0 s	0.0 ... 20.0 ... 600.0 s	0.0 ... 360.0 ... 3600.0 s						
sdcu gdcu	setDiffCorrUsage getDiffCorrUsage	<i>Mode</i>	<i>MaxAge</i>	<i>BaseSelection</i>	<i>BaseID</i>	<i>MovingBase</i>				
		LowLatency	0.1 ... 3600.0 s	auto manual	0 ... 4095	off on				
sdfa gdfa	setDiskFullAction getDiskFullAction	<i>Disk</i> <i>Disk</i>	<i>Action</i>							
		+ DSK1 all	StopLogging							
ldi	IstDiskInfo	<i>Disk</i>	<i>Directory (60)</i>							
		DSK1 all								
eecm gecm	exeEchoMessage getEchoMessage	<i>Cd</i>	<i>Message (242)</i>	<i>EndOfLine</i>						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		COM1 COM2 USB1 USB2 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>5</u> ... 90 deg							
sep gep	setEventParameters getEventParameters	Event <i>Event</i>	<i>Polarity</i>	<i>Delay</i>	<i>CurrentLevel</i>					
		+ EventA + EventB all	<u>Low2High</u> <u>High2Low</u>	-500.000000 ... <u>0.000000</u> ... 500.000000 ms	(Low) (High)					
facr	factoryReset									
sfn gfn	setFileNaming getFileNaming	Cd <i>Cd</i>	<i>NamingType</i>	<i>FileName (20)</i>						
		+ DSK1 all	<u>FileName</u> Incremental	<u>log</u>						
sfm gfm	setFrontendMode getFrontendMode	<i>Mode</i>								
		Nominal SingleAnt DualAnt								
lopk	lstGalOSNMAPublicKeys									
sopk gopk	setGalOSNMAPublicKeys getGalOSNMAPublicKeys	ID <i>ID</i>	Key (213)							
		+ Key0 ... Key15 all								
sou gou	setGalOSNMAUsage getGalOSNMAUsage	<i>PVTLevel</i>	<i>MTRoot (65)</i>	<i>MeasLevel</i>						
		off <u>loose</u> strict		off loose						
sgd ggd	setGeodeticDatum getGeodeticDatum	<i>TargetDatum</i>								
		WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 <u>Default</u> User1 User2								
sgu ggu	setGeoidUndulation getGeoidUndulation	<i>Mode</i>	<i>Undulation</i>							
		auto manual	-250.000 ... <u>0.000</u> ... 250.000 m							
sga gga	setGNSSAttitude getGNSSAttitude	<i>Source</i>	<i>MultiAntennaMod</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none MovingBase MultiAntenna	+ Float + Fixed							
sgp1 ggp1	setGPIO1Mode getGPIO1Mode	<i>Mode</i>	<i>GPOLevel</i>	<i>GPILevel</i>						
		GPI GPO	Low High pPVTLED nPVTLED pRTKLED nRTKLED pTRACKLED nTRACKLED pDIFFCORRLED nDIFFCORRLED	(Low) (High)						
sgp2 ggp2	setGPIO2Mode getGPIO2Mode	<i>Mode</i>	<i>GPOLevel</i>	<i>GPILevel</i>						
		GPI GPO	Low High pPVTLED nPVTLED pRTKLED nRTKLED pTRACKLED nTRACKLED pDIFFCORRLED nDIFFCORRLED	(Low) (High)						
sht ght	setHoldoverTrigger getHoldoverTrigger	<i>AuthAlert</i>								
		off on								
sit git	setInactivePortTimeout getInactivePortTimeout	<i>Timeout</i>								
		0 ... 60 min								
lif	lstInternalFile	<i>File</i>								
		Permissions Identification Debug Error SisError DiffCorrError SetupError RxMessages License								
sim gim	setlonosphereModel getlonosphereModel	<i>Model</i>								
		auto off KlobucharGPS SBAS MultiFreq KlobucharBDS								
slibb glbb	setLBandBeams getLBandBeams	<i>Beam</i> <i>Beam</i>	<i>Frequency</i>	<i>Rate</i>	<i>Name (8)</i>	<i>Region (8)</i>	<i>Usage</i>			

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ User1 + User2 + User3 + User4 + User5 all	1525000000 ...1559000000 Hz	baud600 baud1200 baud2400 baud4800	Unknown	Unknown	Disabled Enabled			
slcs glcs	setLBandCustomServiceID getLBandCustomServiceID	ServiceID (4)	ScramblingVector	NDAUsage						
		0000	0000	off on						
slsm glsm	setLBandSelectMode getLBandSelectMode	Mode	Service	Beam1	Beam2	Beam3	Beam4	Beam5		
		off manual	Inmarsat	User1 User2 User3 User4 User5	User1 User2 User3 User4 User5	User1 User2 User3 User4 User5	User1 User2 User3 User4 User5	User1 User2 User3 User4 User5		
login	LogIn	UserName (16)	Password (32/2)							
logout	LogOut									
smv gmv	setMagneticVariance getMagneticVariance	Mode	Variation							
		auto manual	-180.0 ...0.0 ...180.0 deg							
smnf gmnf	setManualNotchFilter getManualNotchFilter	Notch	Enable	CenterFreq	Bandwidth					
		+ Notch1 + Notch2 + Notch3 all	off on	1100.000 ...1700.000 MHz	45 ...3000 kHz					
smp gmp	setMarkerParameters getMarkerParameters	MarkerName (60)	MarkerNumber (	MarkerType (20)	StationCode (10)	MonumentIdx	ReceiverIdx	CountryCode (3)		
		SEPT	Unknown	Unknown		0 ...9	0 ...9			
lmd	IstMIBDescription	File (255)								
		Overview SBFTable [command]								
smm gmm	setMultipathMitigation getMultipathMitigation	Code	Carrier							
		off on	off on							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
snrc gnrc	setNetworkRTKConfig getNetworkRTKConfig	NetworkType								
		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 USB1 USB2	+ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +RBP +RBV +RBD +AVR +GGAux1 +GGK +GFA +GGQ +TFM +THS							
sno gno	setNMEAOutput getNMEAOutput	Stream Stream	Cd	Messages	Interval					
		+ Stream1 Stream10 all	... none DSK1 COM1 COM2 USB1 USB2	none +ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +RBP +RBV +RBD +AVR +GGAux1 +GGK +GFA +GGQ +TXTbase +TFM +THS	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	0.000 ... 0.001 ... 1.000 m					
snti gnti	setNMEATalkerID getNMEATalkerID	TalkerID								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		auto GP GN								
snv gnv	setNMEAVersion getNMEAVersion	Version								
		v3x v4x								
soc goc	setObserverComment getObserverComment	Comment (120)								
		Unknown								
sop gop	setObserverParameters getObserverParameters	Observer (20)	Agency (40)							
		Unknown	Unknown							
spe gpe	setPeriodicEcho getPeriodicEcho	Cd Cd	Message (201)	Interval						
		+ COM1 + COM2 all	A:Unknown	off once msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60						
sps2 gps2	setPPS2Parameters getPPS2Parameters	Interval	Polarity	Delay	TimeScale	MaxHoldover	PulseWidth			
		MHz10 MHz1 kHz100 kHz10 kHz5 kHz2 kHz1 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	0.000001 ...5.000000 ...1000.000000 ms			
spps gpsps	setPPSParameters getPPSParameters	Interval	Polarity	Delay	TimeScale	MaxHoldover	PulseWidth			

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		MHz10 MHz1 kHz100 kHz10 kHz5 kHz2 kHz1 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	0.000001 ...5.000000 ...1000.000000 ms			
spm gpm	setPVTMode getPVTMode	<i>Mode</i>	<i>RoverMode</i>	<i>RefPos</i>						
		Static <u>Rover</u>	+ <u>StandAlone</u> + SBAS + <u>DGNSS</u> + RTKFloat + <u>RTKFixed</u> + PPP + RTK all	<u>auto</u> Geodetic1 Geodetic2 Geodetic3 Geodetic4 Geodetic5 Cartesian1 Cartesian2 Cartesian3 Cartesian4 Cartesian5						
grc	getReceiverCapabilities									
srd grd	setReceiverDynamics getReceiverDynamics	<i>Level</i>	<i>Motion</i>							
		High <u>Moderate</u> Low	Static Quasistatic Pedestrian <u>Automotive</u> RaceCar HeavyMachinery UAV Unlimited							
gri	getReceiverInterface	<i>Item</i>								
		+ RxName + SNMPLanguage + SNMPVersion all								
era gra	exeRegisteredApplications getRegisteredApplications	<i>Cd</i> <i>Cd</i>	<i>Application (12)</i>							
		+ COM1 + COM2 + USB1 + USB2 all	<u>Unknown</u>							
erf grf	exeRemoveFile getRemoveFile	<i>Disk</i>	<i>FileName (200)</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		<u>DSK1</u>	<u>none</u> all							
ernf grnf	exeResetNavFilter getResetNavFilter	Level								
		+ <u>PVT</u> + <u>AmbRTK</u> + <u>GNSSAttitude</u> + <u>AmbGNSSAttitude</u> all								
erst grst	exeResetReceiver getResetReceiver	Level	EraseMemory							
		Soft Hard Upgrade	<u>none</u> + Config + PVTData + SatData + SISAuthData all							
sitm gitm	setRFInterferenceMitigation getRFInterferenceMitigation	<u>JammingClass</u>								
		none + <u>Class1</u> + <u>Class2</u> all								
sr3d gr3d	setRTCMv3Delay getRTCMv3Delay	<u>Delay</u>								
		<u>0.0 ... 600.0 s</u>								
sr3f gr3f	setRTCMv3Formatting getRTCMv3Formatting	<u>ReferenceID</u>	<u>MSMSignals</u>	<u>GL0L2</u>	<u>RxType (32)</u>	<u>MaxMSMSats</u>				
		<u>0 ... 4095</u>	+ <u>GPSL1CA</u> + <u>GPSL2PY</u> + <u>GPSL2C</u> + <u>GPSL5</u> + <u>GPSL1C</u> + <u>GL0L1CA</u> + <u>GL0L2P</u> + <u>GL0L2CA</u> + <u>GL0L3</u> + <u>GALE1BC</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>QZSL1CB</u> + <u>NAVICL5</u> all	<u>L2CA</u> L2P	default	<u>1 ... 128</u>				
sr3i gr3i	setRTCMv3Interval getRTCMv3Interval	Message <u>Message</u>	<u>Interval</u>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ 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	0.1 ... 1.0 ... 600.0 s							
sr3m gr3m	setRTCMv3Message1029 getRTCMv3Message1029	Message (120)								
		Unknown								
sr3o gr3o	setRTCMv3Output getRTCMv3Output	Cd Cd	Messages							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ COM1 + COM2 + USB1 + USB2 all	none + RTCM1001 + RTCM1002 + RTCM1003 + RTCM1004 + RTCM1005 + <u>RTCM1006</u> + RTCM1007 ... RTCM1013 + RTCM1019 + RTCM1020 + RTCM1029 + <u>RTCM1033</u> + RTCM1041 + RTCM1042 + RTCM1044 + RTCM1045 + 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 + RTCM1131 ... RTCM1137 + <u>RTCM1230</u> + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 + Nav 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> + RTCM1019 + RTCM1020 + RTCM1029 + RTCM1033 + 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 + Nav all								
ssho	setSatelliteHealthOverride	<i>Measurements</i>	<i>PVT</i>							
gsho	getSatelliteHealthOverride									
		none + G01 ... G36 + G38 + G39 + R01 ... R30 + E01 ... E36 + S120 ... S158 + C01 ... C63 + J01 ... J10 + I01 ... I14 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all	none + G01 ... G36 + G38 + G39 + R01 ... R30 + E01 ... E36 + S120 ... S158 + C01 ... C63 + J01 ... J10 + I01 ... I14 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all							
sst	setSatelliteTracking	<i>Satellite</i>								
gst	getSatelliteTracking									

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none + <u>G01 ... G36</u> + <u>G38</u> + <u>G39</u> + <u>R01 ... R30</u> + <u>E01 ... E36</u> + <u>S120 ... S158</u> + <u>C01 ... C63</u> + <u>J01 ... J10</u> + <u>I01 ... I14</u> + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all								
ssu	setSatelliteUsage	<i>Satellite</i>								
gsu	getSatelliteUsage									
		none + <u>G01 ... G32</u> + <u>R01 ... R24</u> + R25 + R26 + R27 + R28 + R29 + R30 + <u>E01 ... E36</u> + <u>C01 ... C63</u> + <u>J01 ... J10</u> + GPS + GLONASS + GALILEO + BEIDOU + QZSS all								
ssbc	setSBASCorrections	<i>Satellite</i>	<i>SISMode</i>							
gsbc	getSBASCorrections									
		<u>auto</u> EGNOS WAAS MSAS GAGAN SDCM BDSBAS KASS ANGA SouthPAN S120 ... S158	<u>Test</u> <u>Operational</u>							
ssgp	setSBFGroups	Group	<i>Messages</i>							
gsgp	getSBFGroups	<i>Group</i>								

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 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + NavIC + PVTCart + PVTGeod + PVTExtra + Attitude + Time + Events + DiffCorr + Status + LBand + PostProcess + Rinex + Support							
esoc gsoc	exeSBFOnce getSBFOnce	<i>Cd</i>	<i>Messages</i>							
		DSK1 <u>COM1</u> COM2 USB1 USB2	[SBF List] + Measurements + GPS + GLO + GAL + GEO + BDS + QZS + NavIC + PVTCart + PVTGeod + PVTExtra + Attitude + Time + Status + LBand + UserGroups + PostProcess + Rinex + Support							
sso gso	setSBFOutput getSBFOutput	<i>Stream</i> <i>Stream</i>	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ Stream1 Stream10 + Res1 + Res2 + Res3 + Res4 all	... <u>none</u> DSK1 COM1 COM2 USB1 USB2	<u>none</u> [SBF List] + Measurements + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + NavIC + PVTCart + PVTGeod + PVTEExtra + Attitude + Time + Event + DiffCorr + Status + LBand + UserGroups + PostProcess + Rinex + 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					
ssts gsts	setSerialTlsSettings getSerialTlsSettings	Cd <i>Cd</i>	Enable							
		+ COM1 + COM2 + USB1 + USB2 all	<u>off</u> on							
estm gstm	exeSetTime getSetTime	Format	TimeSpec (40)							
		<u>DateTime</u>								
sna gna	setSignalAuthentication getSignalAuthentication	<i>Level</i>								
		Detection <u>Mitigation</u>								
snho gnho	setSignalHealthOverride getSignalHealthOverride	<i>Measurements</i>	<i>PVT</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none + GPSL1CA + GPSL2PY + GPSL2C + <u>GPSL5</u> + GPSL1C + GLOL1CA + GLOL2P + GLOL2CA + GLOL3 + GALE1BC + GALE6BC + GALE5a + GALE5b + GALE5 + GEOL1 + GEOL5 + BDSB1I + BDSB2I + BDSB3I + BDSB1C + BDSB2a + BDSB2b + QZSL1CA + QZSL2C + QZSL5 + QZSL6 + QZSL1C + QZSL1S + QZSL1CB + NAVICL5 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all	none + GPSL1CA + GPSL2PY + GPSL2C + <u>GPSL5</u> + GPSL1C + GLOL1CA + GLOL2P + GLOL2CA + GLOL3 + GALE1BC + GALE6BC + GALE5a + GALE5b + GALE5 + GEOL1 + GEOL5 + BDSB1I + BDSB2I + BDSB3I + BDSB1C + BDSB2a + BDSB2b + QZSL1CA + QZSL2C + QZSL5 + QZSL6 + QZSL1C + QZSL1S + QZSL1CB + NAVICL5 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all							
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
		+ <u>GPSL1CA</u> + <u>GPSL2PY</u> + <u>GPSL2C</u> + <u>GPSL5</u> + <u>GPSL1C</u> + <u>GLOL1CA</u> + <u>GLOL2P</u> + <u>GLOL2CA</u> + <u>GLOL3</u> + <u>GALE1BC</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>QZSL6</u> + <u>QZSL1C</u> + <u>QZSL1S</u> + <u>QZSL1CB</u> + <u>NAVICL5</u> + <u>GPS</u> + <u>GLONASS</u> + <u>GALILEO</u> + <u>SBAS</u> + <u>BEIDOU</u> + <u>QZSS</u> + <u>NAVIC</u> all								
snu	setSignalUsage	<i>PVT</i>	<i>NavData</i>							
gnu	getSignalUsage									

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 +GLOL2P +GLOL2CA +GLOL3 +GALE1BC +GALE6BC +GALE5a +GALE5b +GALE5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL1CB +NAVICL5 all	+GPSL1CA +GPSL2PY +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALE1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL1CB +NAVICL5 all							
ssi gsi	setSmoothingInterval getSmoothingInterval	Signal <i>Signal</i>	<i>Interval</i>	<i>Alignment</i>						
		+GPSL1CA +GPSL2PY +GPSL2C +GPSL5 +GPSL1C +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALE1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +BDSB2b +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +QZSL1C +QZSL1S +QZSL1CB +NAVICL5 all	0 ... 1000 s	0 ... 1000 s						
sss gss	setSolutionSelectivity getSolutionSelectivity	<i>Level</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		Loose <u>Medium</u> Strict								
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>				
		+ Geodetic1 + Geodetic2 + Geodetic3 + Geodetic4 + Geodetic5 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				
stss gtss	setTimeSyncSource getTimeSyncSource	<i>Source</i>								
		none EventA EventB								
sts gts	setTimingSystem getTimingSystem	<i>System</i>								
		Galileo GPS BeiDou <u>auto</u>								
ltc	lstTLCertificates	Certificate								
		[certificate ID]								
stm gtm	setTroposphereModel getTroposphereModel	<i>ZenithModel</i>	<i>MappingModel</i>							
		off Saastamoinen <u>MOPS</u>	Niell <u>MOPS</u>							
stp gtp	setTroposphereParameters getTroposphereParameters	<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 %						
sual gual	setUserAccessLevel getUserAccessLevel	UserID <i>UserID</i>	<i>UserName (16)</i>	<i>Password (32)</i>	<i>UserLevel</i>					
		+ 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>	

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	-100.0000 ... 0.0000 ... 100.0000 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						

SBF List

ASCIIIn	AttCovEuler	AttEuler
AuxAntPositions	BBSamples	BDSAlm
BDSCNav1	BDSCNav2	BDSCNav3
BDSIon	BDSNav	BDSRaw
BDSRawB1C	BDSRawB2a	BDSRawB2b
BDSUtc	BaseStation	BaseVectorCart
BaseVectorGeod	ChannelStatus	Commands
Comment	DOP	DiffCorrIn
DiskStatus	EndOfAtt	EndOfMeas
EndOfPVT	ExtEvent	ExtEventAttEuler
ExtEventBaseVectGeod	ExtEventPVTCartesian	ExtEventPVTGeodetic
GALAlm	GALAuthStatus	GALGstGps
GALIon	GALNav	GALRawCNAV
GALRawFNAV	GALRawINAV	GALSARRLM
GALUtc	GEOAlm	GEOIGPMask
GEOIonoDelay	GEONav	GEORawL1
GEORawL5	GLOAlm	GLONav
GLORawCA	GLOTime	GPSAlm
GPSCNav	GPSIon	GPSNav
GPSRawCA	GPSRawL1C	GPSRawL2C
GPSRawL5	GPSUtc	Group1
Group2	Group3	Group4
InputLink	LBandRaw	LBandTrackerStatus
MeasEpoch	MeasExtra	NAVICRaw

NavCart
OutputLink
PVTSupport
PosCovGeodetic
QZSRawL1C
QZSRawL2C
QZSRawL6D
RFStatus
ReceiverTime
VelCovCartesian

NavGeod
PVTCartesian
PVTSupportA
QZSAlm
QZSRawL1CA
QZSRawL5
QZSRawL6E
ReceiverSetup
RxMessage
VelCovGeodetic

NavICLNav
PVTGeodetic
PosCovCartesian
QZSNav
QZSRawL1S
QZSRawL5S
QualityInd
ReceiverStatus
SatVisibility
xPPSOffset