

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 Command Line Interface Reference Guide.

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 +L2L5 all	auto frozen manual	0 ... 35 ... 70 dB						
lai	IstAntennaInfo	Antenna								
		Overview Main Aux1 [antenna name]								
sal gal	setAntennaLocation getAntennaLocation	Antenna <i>Antenna</i>	<i>Mode</i>	<i>DeltaX</i>	<i>DeltaY</i>	<i>DeltaZ</i>				
		+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 <i>Antenna</i>	<i>DeltaE</i>	<i>DeltaN</i>	<i>DeltaU</i>	<i>Type (20)</i>	<i>SerialNr (20)</i>	<i>SetupID</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	Unknown	Unknown	0 ... 255		
sto gto	setAttitudeOffset getAttitudeOffset	<i>Heading</i>	<i>Pitch</i>							
		0.0 ... 360.0 deg	-90.0 ... 90.0 ... 90.0 deg							
sca gca	setChannelAllocation getChannelAllocation	Channel <i>Channel</i>	<i>Satellite</i>	<i>Search</i>	<i>Doppler</i>	<i>Window</i>				
		+Ch01 ... Ch29 all	auto G01 ... G32 F01 ... F21 E01 ... E32 S120 ... S140 J01 J02 J03	auto manual	-50000 ... 0 ... 50000 Hz	1 ... 16000 ... 100000 Hz				
gcc	getChannelConfiguration	<i>Channel</i>								
		+Ch01 ... Ch29 all								
scst gcst	setClockSyncThreshold getClockSyncThreshold	<i>Threshold</i>								
		ClockSteering usec500 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 sec							
sc2m gc2m	setCMRv2Message2 getCMRv2Message2	<i>ShortID (8)</i>	<i>LongID (50)</i>	<i>COGO (16)</i>						
		Unknown	Unknown	Unknown						
sc2o	setCMRv2Output	Cd	<i>Messages</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
gc2o	getCMRv2Output	<i>Cd</i>								
		+COM1 +COM2 +COM3 +COM4 +USB1 +USB2 +IP10 ... IP17 +NTR1 +NTR2 +NTR3 +IPS1 +IPS2 +IPS3 all	none <u>+CMR0</u> <u>+CMR1</u> <u>+CMR2</u> <u>+CMR3</u> all							
sc2u	setCMRv2Usage	<i>MsgUsage</i>								
gc2u	getCMRv2Usage									
		none <u>+CMR0</u> <u>+CMR1</u> <u>+CMR2</u> <u>+CMR3</u> <u>+CMR0p</u> <u>+CMR0w</u> all								
scm	setCN0Mask	Signal	<i>Mask</i>							
gcm	getCN0Mask	<i>Signal</i>								
		+GPSL1CA +Reserved1 +Reserved2 +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GEOL1 +GEOL5 +QZSL1CA +QZSL2C +QZSL5 all	0 ... <u>10</u> ... 60 dB-Hz							
help	IstCommandHelp	Action (255)								
		Overview								
scs	setCOMSettings	Cd	<i>Rate</i>	<i>DataBits</i>	<i>Parity</i>	<i>StopBits</i>	<i>FlowControl</i>			
gcs	getCOMSettings	<i>Cd</i>								
		+COM1 +COM2 +COM3 +COM4 all	baud1200 baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 <u>baud115200</u> baud230400 baud460800	<u>bits8</u>	No	<u>bit1</u>	none RTS CTS			
lcf	IstConfigFile	File								
		Current Boot RxDefault User1 User2								
eccf	exeCopyConfigFile	Source	Target							
gccf	getCopyConfigFile									
		Current Boot User1 User2 RxDefault	Current Boot User1 User2							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
scda gcda	setCrossDomainWebAccess getCrossDomainWebAccess	<i>Mode</i>								
		off on								
lcu	IstCurrentUser									
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 +IPR1 +IPR2 +IPR3 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 RTCMV ASCIIN <u>auto</u>	none +RTCMv2 +RTCMv3 +CMRv2 +SBE +NMEA +ASCIIIDisplay +DC1 +DC2	(off) (on)					
sdal gdal	setDefaultAccessLevel getDefaultAccessLevel	<i>Web</i>	<i>Flp</i>	<i>Ip</i>	<i>Com</i>	<i>Usb</i>				
		none Viewer <u>User</u>	none Viewer <u>User</u>	none Viewer <u>User</u>	none Viewer <u>User</u>	none Viewer <u>User</u>				
sdca gdca	setDiffCorrMaxAge getDiffCorrMaxAge	<i>DGPSCorr</i>	<i>RTKCorr</i>	<i>PPPCorr</i>	<i>Iono</i>					
		0.0 ... 120.0 ... 3600.0 sec	0.0 ... 20.0 ... 3600.0 sec	0.0 ... 360.0 ... 3600.0 sec	0.0 ... 600.0 ... 3600.0 sec					
sdcu gdcu	setDiffCorrUsage getDiffCorrUsage	<i>Mode</i>	<i>MaxAge</i>	<i>BaseSelection</i>	<i>BaseID</i>	<i>MovingBase</i>	<i>MaxBase</i>	<i>MaxBaseline</i>		
		<u>LowLatency</u>	0.1 ... 3600.0 sec	auto manual	0 ... 4095	off on	2 ... 5 ... 10	0 ... 2500000 m		
sdfa gdfa	setDiskFullAction getDiskFullAction	Disk <i>Disk</i>	<i>Action</i>							
		+DSK1 all	DeleteOldest <u>StopLogging</u>							
ldi	IstDiskInfo	Disk	Directory (60)							
		DSK1 all								
eeem geem	exeEchoMessage getEchoMessage	Cd	Message (242)	EndOfLine						
		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17	A:Unknown	none +CR +LF all						
sem gem	setElevationMask getElevationMask	Engine <i>Engine</i>	<i>Mask</i>							
		+Tracking +PVT all	-90 ... 10 ... 90 deg							
sep gep	setEventParameters getEventParameters	Event <i>Event</i>	<i>Polarity</i>							
		+EventA +EventB all	Low2High High2Low							
sfn	setFileNaming	Disk	<i>NamingType</i>	<i>FileName (8)</i>						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
gfn	getFileNaming	<i>Disk</i>								
		+DSK1 all	<u>FileName</u> Incremental IGS15M IGS1H IGS6H IGS24H	<u>log</u>						
sfr gfr	setFixReliability getFixReliability	<i>Engine</i> <i>Engine</i>	<i>SearchVolume</i>	<i>Ratio</i>						
		+RTK +GNSSAttitude all	0.001 ... <u>0.200</u> ... 10.000	1.00 ... <u>4.40</u> ... 20.00						
sfm gfm	setFrontendMode getFrontendMode	<i>Mode</i>								
		<u>Nominal</u> GL0L2Blocked								
efup gful	exeFTPUpgrade getFTPUpgrade	<i>Server (32)</i>	<i>Path (64)</i>	<i>Login (12)</i>	<i>Password (11)</i>					
				<u>anonymous</u>						
sgd ggd	setGeodeticDatum getGeodeticDatum	<i>TargetDatum</i>								
		WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 <u>Default</u> User1 User2								
sgu ggu	setGeoidUndulation getGeoidUndulation	<i>Mode</i>	<i>Undulation</i>							
		<u>auto</u> manual	-250.0 ... <u>0.0</u> ... 250.0 m							
sga gga	setGNSSAttitude getGNSSAttitude	<i>Source</i>	<i>MultiAntennaMode</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 +GP3 all	<u>Output</u>	<u>none</u>	<u>LevelLow</u> LevelHigh					
shm ghm	setHealthMask getHealthMask	<i>Engine</i> <i>Engine</i>	<i>Mask</i>							
		+Tracking +PVT all	off <u>on</u>							
lif	lstInternalFile	<i>File</i>								
		Permissions Identification Debug Error SisError DiffCorrError SetupError IPParameters								
sim gim	setIonosphereModel getIonosphereModel	<i>Model</i>								
		<u>auto</u> off Klobuchar SBAS MultiFreq								
sipp gipp	setIPPortSettings getIPPortSettings	<i>Command</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		1 ... 28784 ... 65535								
sirs girs	setIPReceiveSettings getIPReceiveSettings	Cd Cd	Port	Mode	TCPAddress (40)					
		+IPR1 +IPR2 +IPR3 all	0 ... 65535	TCP UDP	0.0.0.0					
sis giss	setIPServerSettings getIPServerSettings	Cd Cd	Port	Mode	UDPAddress (40)					
		+IPS1 +IPS2 +IPS3 all	0 ... 65535	TCP UDP	255.255.255.255					
sips gips	setIPSettings getIPSettings	Mode	IP (16)	Netmask (16)	Gateway (16)	Domain (63)	DNS1 (16)	DNS2 (16)		
		DHCP Static	192.168.2.2	255.255.255.0	192.168.2.1		8.8.8.8	8.8.4.4		
slpc glpc	setLBAS1PPPConfig getLBAS1PPPConfig	Source								
		ULTRA APEX								
slm glm	setLEDMode getLEDMode	GPLED								
		DIFFCORLED PVTLED LOGLED HEADINGLED								
login	LogIn	UserName (16)	Password (15)							
lo- gout	LogOut									
smv gmV	setMagneticVariance getMagneticVariance	Mode	Variance							
		auto manual	-180.0 ... 0.0 ... 180.0 deg							
emd gmd	exeManageDisk getManageDisk	Disk	Action							
		DSK1	Unmount Format							
smp gmp	setMarkerParameters getMarkerParameters	MarkerName (60)	MarkerNumber (20)	MarkerType (20)						
		SEPT	Unknown	Unknown						
lmd	IstMIBDescription	File (255)								
		Overview SBFTable								
smm gmm	setMultipathMitigation getMultipathMitigation	Code	Carrier							
		off on	off on							
snrc gnrc	setNetworkRTKConfig getNetworkRTKConfig	NetworkType								
		auto VRS								
enoc gnoc	exeNMEAOnce getNMEAOnce	Cd	Messages							
		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3	+ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		IPS1 IPS2 IPS3	+RMC +ROT +VTG +ZDA +HRP +LLQ +RBP +RBV +RBD +AVR +GGAux1 +GGK							
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	none +ALM +DTM +GBS +GGA +GLL +GNS +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +LLQ +RBP +RBV +RBD +PUMRD +AVR +GGAux1 +GGK	off OnChange msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snp gnp	setNMEAPrecision getNMEAPrecision	NrExtraDigits	Compatibility							
		Q ... 3	Nominal Mode1 Mode2							
snti gnri	setNMEATalkerID getNMEATalkerID	TalkerID								
		GP GN								
snts gnrs	setNtripSettings getNtripSettings	Cd Cd	Mode	Caster (40)	Port	UserName (20)	Password (19)	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							
snl gnl	setNWALevels getNWALevels	Mode	HAL	VAL						
		off on	0.00 ... 1.20 ... 1000.00 m	0.00 ... 2.00 ... 1000.00 m						
soc goc	setObserverComment getObserverComment	Comment (120)								
		Unknown								
sop gop	setObserverParameters getObserverParameters	Observer (20)	Agency (40)							
		Unknown	Unknown							
spe	setPeriodicEcho	Cd	Message (201)	Interval						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
gpe	getPeriodicEcho	<i>Cd</i>								
		+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						
ep- wm gp- wm	exePowerMode getPowerMode	<i>Mode</i>								
		<u>ScheduledSleep</u> StandBy								
spas gpas	setPPPAutoSeed getPPPAutoSeed	<i>Mode</i>								
		none +DGPS +RTKFixed all								
spdo gp- do	setPPPDatumOffset getPPPDatumOffset	<i>Mode</i>	<i>DX</i>	<i>DY</i>	<i>DZ</i>					
		<u>manual</u>	-1000.000 ... 0.000 ... 1000.000 m	-1000.000 ... 0.000 ... 1000.000 m	-1000.000 ... 0.000 ... 1000.000 m					
epss gpss	exePPPSetSeedGeod getPPPSetSeedGeod	<i>Latitude</i>	<i>Longitude</i>	<i>Altitude</i>	<i>Datum</i>					
		-90.000000000 ... 0.000000000 ... 90.000000000 deg	-180.000000000 ... 0.000000000 ... 180.000000000 deg	-1000.0000 ... 0.0000 ... 30000.0000 m	<u>WGS84</u> ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 User1 User2 Other					
spps gpss	setPPSPParameters getPPSPParameters	<i>Interval</i>	<i>Polarity</i>	<i>Delay</i>	<i>TimeScale</i>	<i>MaxSyncAge</i>				
		off msec100 msec200 msec500 sec1 sec2 sec5 sec10	<u>Low2High</u> High2Low	-1000000.00 ... 0.00 ... 1000000.00 nsec	<u>TimeSys</u> UTC RxClock GLONASS	1 ... 60 ... 3600 sec				
spm gpm	setPVTMode getPVTMode	<i>Mode</i>	<i>RoverMode</i>	<i>StaticPosition</i>						
		Static <u>Rover</u>	+StandAlone +SBAS +DGPS +RTKFloat +RTKFixed +PPP +RTK all	auto Geodetic1 Geodetic2 Geodetic3 Geodetic4 Geodetic5 Cartesian1 Cartesian2 Cartesian3 Cartesian4 Cartesian5						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sr1 gr1	setRAIMLevels getRAIMLevels	<i>Mode</i>	<i>P1a</i>	<i>Pmd</i>	<i>Reliability</i>					
		off on	-12 ... -4 ... -1	-12 ... -4 ... -1	-12 ... -3 ... -1					
grc	getReceiverCapabilities									
sr4 gr4	setReceiverDynamics getReceiverDynamics	<i>Level</i>	<i>Motion</i>							
		Max High <u>Moderate</u> Low	Static Quasistatic Pedestrian <u>Automotive</u> RaceCar HeavyMachinery UAV Unlimited							
gri	getReceiverInterface	<i>Item</i>								
		+RxName +SNMPLanguage +SNMPVersion all								
lrf	lstRecordedFile	<i>Disk</i>	<i>FileName (60)</i>							
		DSK1								
era gra	exeRegisteredApplications getRegisteredApplications	<i>Cd</i> <i>Cd</i>	<i>Application (12)</i>							
		+COM1 +COM2 +COM3 +COM4 +USB1 +USB2 +IP10 ... IP17 all	<u>Unknown</u>							
erf grf	exeRemoveFile getRemoveFile	<i>Disk</i>	<i>FileName (60)</i>							
		DSK1	<u>none</u> all							
ernf grnf	exeResetNavFilter getResetNavFilter	<i>Level</i>								
		+PVT +AmbRTK +GNSSAttitude +AmbGNSSAttitude all								
erst grst	exeResetReceiver getResetReceiver	<i>Level</i>	<i>EraseMemory</i>							
		Soft Hard Upgrade	<u>none</u> +Config +PVTData +SatData +BaseStations all							
sr2c gr2c	setRTCMv2Compatibility getRTCMv2Compatibility	<i>PRCType</i>	<i>GLOToD</i>							
		<u>Standard</u> GroupDelay	<u>Tk</u> Tb							
sr2f gr2f	setRTCMv2Formatting getRTCMv2Formatting	<i>ReferenceID</i>	<i>GLOToD</i>							
		0 ... 1023	<u>Tk</u> Tb							
sr2i gr2i	setRTCMv2Interval getRTCMv2Interval	<i>Message</i> <i>Message</i>	<i>ZCount</i>							
		+RTCM1 +RTCM3 +RTCM9	1 ... 2 ... 1000							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+RTCM16 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 all								
sr2b gr2b	setRTCMv2IntervalObs getRTCMv2IntervalObs	Message Message	Interval							
		+RTCM18 19 +RTCM20 21 all	1 ... 600 sec							
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 all	none +RTCM1 +RTCM3 +RTCM9 +RTCM16 +RTCM18 19 +RTCM20 21 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 +DGPS +RTK all							
sr2u gr2u	setRTCMv2Usage getRTCMv2Usage	MsgUsage								
		none +RTCM1 +RTCM3 +RTCM9 +RTCM15 +RTCM18 19 +RTCM20 21 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 +RTCM59 all								
sr3t gr3t	setRTCMv3CRSTransfo getRTCMv3CRSTransfo	Mode	TargetName (32)							
		auto manual								
sr3d gr3d	setRTCMv3Delay getRTCMv3Delay	Delay								
		0 ... 600 sec								
sr3f gr3f	setRTCMv3Formatting getRTCMv3Formatting	ReferenceID								
		0 ... 4095								
sr3i gr3i	setRTCMv3Interval getRTCMv3Interval	Message Message	Interval							
		+RTCM1001 2 +RTCM1003 4 +RTCM1005 6 +RTCM1007 8 +RTCM1009 10 +RTCM1011 12 +RTCM1013 +RTCM1033 all	0.1 ... 1.0 ... 600.0 sec							
sr3o gr3o	setRTCMv3Output getRTCMv3Output	Cd Cd	Messages							
		+COM1	none							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+COM2 +COM3 +COM4 +USB1 +USB2 +IP10 ... IP17 +NTR1 +NTR2 +NTR3 +IPS1 +IPS2 +IPS3 all	+RTCM1001 +RTCM1002 +RTCM1003 +RTCM1004 +RTCM1005 +RTCM1006 +RTCM1007 +RTCM1008 +RTCM1009 +RTCM1010 +RTCM1011 +RTCM1012 +RTCM1013 +RTCM1033 all							
sr3u gr3u	setRTCMv3Usage getRTCMv3Usage	<i>MsgUsage</i>								
		none +RTCM1001 ... RTCM1013 +RTCM1015 +RTCM1016 +RTCM1017 +RTCM1021 +RTCM1022 +RTCM1023 +RTCM1033 +RTCM1037 +RTCM1038 +RTCM1039 all								
ssst gst	setSatelliteTracking getSatelliteTracking	<i>Satellite</i>								
		none +G01 ... G32 +R01 ... R24 +E01 ... E32 +S120 ... S140 +J01 +J02 +J03 +GPS +GLONASS +GALILEO +SBAS +QZSS all								
ssu gsu	setSatelliteUsage getSatelliteUsage	<i>Satellite</i>								
		none +G01 ... G32 +R01 ... R24 +E01 ... E32 +S120 ... S140 +GPS +GLONASS +GALILEO +SBAS all								
ssbc gsbc	setSBASCorrections getSBASCorrections	<i>Satellite</i>	<i>SISMode</i>	<i>NavMode</i>	<i>DO229Version</i>					
		auto EGNOS WAAS MSAS S120 ... S140	Test <u>Operational</u>	<u>EnRoute</u> PrecApp	auto DO229C					
ssgp gsgp	setSBFGroups getSBFGroups	Group <i>Group</i>	<i>Messages</i>							
		+Group1 +Group2 +Group3 +Group4	none [SBF List] +Measurements +RawNavBits							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		all	+GPS +GLO +GAL +GEO +PVTCart +PVTGeod +PVTEExtra +Attitude +Time +Events +DiffCorr +Status +Rinex +Support +RawData +GUI							
esoc gsoc	exeSBFOnce getSBFOnce	<i>Cd</i>	<i>Messages</i>							
		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3	[SBF List] +Measurements +GPS +GLO +GAL +GEO +PVTCart +PVTGeod +PVTEExtra +Attitude +Time +Status +UserGroups +Rinex +Support +RawData +GUI							
sso gso	setSBFOutput getSBFOutput	<i>Stream</i> <i>Stream</i>	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					
		+Stream1 ... Stream10 +Res1 +Res2 +Res3 +Res4 all	none DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 IPS1 IPS2 IPS3	none [SBF List] +Measurements +RawNavBits +GPS +GLO +GAL +GEO +PVTCart +PVTGeod +PVTEExtra +Attitude +Time +Event +DiffCorr +Status +UserGroups +Rinex +Support +RawData +GUI	off OnChange msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snt gnt	setSignalTracking getSignalTracking	<i>Signal</i>								
		+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GEOL1 +GEOL5 +QZSL1CA								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+QZSL2C +QZSL5 all								
snu gnu	setSignalUsage getSignalUsage	Signal	NavData							
		+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GEOL1 +GEOL5 all	+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GEOL1 +GEOL5 all							
ssi gsi	setSmoothingInterval getSmoothingInterval	Signal Signal	Interval	Alignment						
		+GPSL1CA +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GALL1BC +GALE5a +GEOL1 +GEOL5 +QZSL1CA +QZSL2C +QZSL5 all	Q ... 1000 sec	Q ... 1000 sec						
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 User1 User2 Other				
sspg gspg	setStaticPosGeodetic getStaticPosGeodetic	Position Position	Latitude	Longitude	Altitude	Datum				
		+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 User1 User2 Other				
sts gts	setTimingSystem getTimingSystem	System								
		GST GPS								
stlp gtlp	setTrackingLoopParameters getTrackingLoopParameters	Signal Signal	DLLBandwidth	PLLBandwidth	MaxTpDLL	MaxTpPLL	Adaptive			
		+GPSL1CA +Reserved1 +Reserved2 +GPSL2C +GPSL5 +GLOL1CA	0.01 ... 0.25 ... 5.00 Hz	1 ... 15 ... 100 Hz	1 ... 100 ... 500 msec	1 ... 10 ... 200 msec	off on			

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GL0L2P +GL0L2CA +GALL1BC +GALE5a +GEOL1 +GEOL5 +QZSL1CA +QZSL2C +QZSL5 all								
strm 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 %						
sual gual	setUserAccessLevel getUserAccessLevel	UserID UserID	UserName (16)	Password (15)	UserLevel					
		+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	-100.0000 ... 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 ... 298.257223563 ... 305.000000000						
swui gwui	setWakeUpInterval getWakeUpInterval	WakeUpTime (30)	AwakeDuration	RepetitionPeriod						
		2000-01-01 00:00:00	0 ... 604800 sec	0 ... 604800 sec						

SBF List

ASCIIn	AttCovEuler	AttEuler
AuxAntPositions	BaseLine	BaseStation
BaseVectorCart	BaseVectorGeod	BBSamples
ChannelStatus	Commands	Comment
DiffCorrIn	DiskStatus	DOP
EndOfAtt	EndOfMeas	EndOfPVT
ExtEvent	ExtEventPVTCartesian	ExtEventPVTGeodetic
GALAlm	GALGstGps	GALIon
GALNav	GALRawFNAV	GALRawINAV
GALSARRLM	GALUtc	GEOAlm
GEOClockEphCovMatrix	GEOCorrections	GEODegrFactors
GEOFastCorr	GEOFastCorrDegr	GEOIGPMask
GEOIntegrity	GEOIonoDelay	GEOLongTermCorr
GEOMT00	GEONav	GEONetworkTime
GEOPRNMask	GEORawL1	GEORawL5
GEOServiceLevel	GLOAlm	GLONav
GLORawCA	GLOTime	GPSAlm
GPSIon	GPSNav	GPSRawCA
GPSRawL2C	GPSRawL5	GPSUtc
Group1	Group2	Group3
Group4	InputLink	IPStatus
IQCorr	MeasEpoch	MeasExtra
NTRIPClientStatus	OutputLink	PosCart
PosCovCartesian	PosCovGeodetic	PosLocal
PVTCartesian	PVTGeodetic	PVTResiduals
PVTSatCartesian	PVTSupport	QualityInd
QZSRawL1CA	QZSRawL2C	QZSRawL5
RAIMStatistics	ReceiverSetup	ReceiverStatus
ReceiverTime	RTCMDatum	SatVisibility
VelCovCartesian	VelCovGeodetic	xPPSOffset