

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 + L5 + LBand all | <u>auto</u> frozen manual | 0 ... <u>35</u> ... 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 | <u>auto</u> manual | -1000.0000 ... <u>0.0000</u> ... 1000.0000 m | -1000.0000 ... <u>0.0000</u> ... 1000.0000 m | -1000.0000 ... <u>0.0000</u> ... 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 ... <u>0.0000</u> ... 1000.0000 m | -1000.0000 ... <u>0.0000</u> ... 1000.0000 m | -1000.0000 ... <u>0.0000</u> ... 1000.0000 m | <u>Unknown</u> | <u>Unknown</u> | <u>0</u> ... 255 | | |
| sto gto | setAttitudeOffset getAttitudeOffset | <i>Heading</i> | <i>Pitch</i> | | | | | | | |
| | | -360.000 ... <u>0.000</u> ... 360.000 deg | -90.000 ... <u>0.000</u> ... 90.000 deg | | | | | | | |
| sbbs gbbs | setBBSamplingMode getBBSamplingMode | <i>Mode</i> | | | | | | | | |
| | | <u>BeforeIM</u> AfterIM | | | | | | | | |
| sca gca | setChannelAllocation getChannelAllocation | Channel <i>Channel</i> | <i>Satellite</i> | <i>Search</i> | <i>Doppler</i> | <i>Window</i> | | | | |
| | | + Ch01 ... Ch60 all | <u>auto</u> G01 ... G32 F01 ... F14 E01 ... E36 S120 ... S158 C01 ... C63 J01 ... J07 I01 ... I14 | <u>auto</u> manual | -50000 ... <u>0</u> ... 50000 Hz | <u>1</u> ... 16000 ... 100000 Hz | | | | |
| scia gcia | setCheckInternetAvailability getCheckInternetAvailability | <i>Mode</i> | | | | | | | | |
| | | <u>off</u> on | | | | | | | | |
| scd gcd | setCLASCrustalDeformation getCLASCrustalDeformation | <i>Mode</i> | | | | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|--|---|------------------|------------|------------|------------|------------|------------|------------|
| | | off on | | | | | | | | |
| 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 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 + NTR4 + 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 +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB11 +BDSB21 +BDSB31 +BDSB1C +BDSB2a +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +NAVICL5 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> | No | <u>bit1</u> | <u>none</u> RTS CTS | | | |
| lcf | IstConfigFile | File | | | | | | | | |
| | | Current Boot RxDefault User1 User2 | | | | | | | | |
| eccf gccf | exeCopyConfigFile getCopyConfigFile | Source | Target | | | | | | | |

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|--------------|--|--|---|---|---|--------------------------------------|------------|------------|------------|------------|
| | | <u>Current</u> Boot User1 User2 RxDefault | <u>Current</u> User1 User2 | | | | | | | |
| scoc gcoc | setCosmosConfig getCosmosConfig | <i>Enable</i> | <i>CustomerID (24)</i> | | | | | | | |
| | | <i>off</i> <i>on</i> | | | | | | | | |
| scda gcda | setCrossDomainWebAccess getCrossDomainWebAccess | <i>Mode</i> | | | | | | | | |
| | | <i>off</i> <i>on</i> | | | | | | | | |
| lcu | lstCurrentUser | | | | | | | | | |
| sdcm gdc | setDaisyChainMode getDaisyChainMode | <i>DC</i> <i>DC</i> | <i>Mode</i> | | | | | | | |
| | | + DC1 + DC2 all | <u>Raw</u> ASCII | | | | | | | |
| sdio gdio | setDataInOut getDataInOut | <i>Cd</i> <i>Cd</i> | <i>Input</i> | <i>Output</i> | <i>Show</i> | | | | | |
| | | + DSK1 + COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + NTR4 + 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 + NMEA + ASCIIDisplay + DC1 + DC2 + Encapsulate + LBandBeam1 + LBandBeam2 + LBandBeam3 + LBandBeam4 | (<u>off</u>) (<u>on</u>) (<u>waiting</u>) | | | | | |
| 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 ... 1200.0 ... 3600.0 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> <u>on</u> | | | | |
| sdfa gdfa | setDiskFullAction getDiskFullAction | <i>Disk</i> <i>Disk</i> | <i>Action</i> | | | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|---|--|--|--|--|--|--|--|--|
| | | + DSK1 all | DeleteOldest StopLogging | | | | | | | |
| ldi | IstDiskInfo | <i>Disk</i> | <i>Directory (60)</i> | | | | | | | |
| | | DSK1 all | | | | | | | | |
| sdds gdds | setDynamicDNS getDynamicDNS | <i>Provider</i> | <i>UserName (40)</i> | <i>Password (40)</i> | <i>Hostname (40)</i> | <i>Bind</i> | | | | |
| | | off dyndns.org no-ip.com | | | | auto Ethernet | | | | |
| ecem gecm | exeEchoMessage getEchoMessage | <i>Cd</i> | <i>Message (242)</i> | <i>EndOfLine</i> | | | | | | |
| | | DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5 DC1 DC2 | A:Unknown | none + CR + LF all | | | | | | |
| sem gem | setElevationMask getElevationMask | <i>Engine</i> <i>Engine</i> | <i>Mask</i> | | | | | | | |
| | | + Tracking + PVT all | -90 ... 0 ... 90 deg | | | | | | | |
| smth gmth | setENHTransfoHorizontal getENHTransfoHorizontal | <i>TransfoID</i> <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 | <i>TransfoID</i> <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 | <i>Event</i> <i>Event</i> | <i>Polarity</i> | <i>Delay</i> | | | | | | |
| | | + EventA + EventB all | Low2High High2Low | -500.000000 ... 0.000000 ... 500.000000 ms | | | | | | |
| sfn gfn | setFileNaming getFileNaming | <i>Cd</i> <i>Cd</i> | <i>NamingType</i> | <i>FileName (20)</i> | | | | | | |

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|--------------|--|---|---|------------|---------------|------------|------------|------------|------------|------------|
| | | + DSK1 all | FileName Incremental IGS15M IGS1H IGS6H IGS24H | log | | | | | | |
| sfm gfm | setFrontendMode getFrontendMode | Mode | | | | | | | | |
| | | Nominal SingleAnt | | | | | | | | |
| sfpr gfpr | setFTPPushRINEX getFTPPushRINEX | Server (32) | Path (64) | User (12) | Password (24) | | | | | |
| | | | | anonymous | | | | | | |
| sfps gfps | setFTPPushSBF getFTPPushSBF | Server (32) | Path (64) | User (12) | Password (24) | | | | | |
| | | | | anonymous | | | | | | |
| efpt gfpt | exeFTPPushTest getFTPPushTest | Server (40) | Path (64) | User (20) | Password (40) | | | | | |
| | | | | anonymous | | | | | | |
| efup gfup | exeFTPUpgrade getFTPUpgrade | Server (32) | Path (64) | Login (12) | Password (24) | | | | | |
| | | | | anonymous | | | | | | |
| lopk | IstGalOSNMAPublicKeys | | | | | | | | | |
| sopk gopk | setGalOSNMAPublicKeys getGalOSNMAPublicKeys | ID ID | Key (233) | | | | | | | |
| | | + Key0 ... Key15 all | | | | | | | | |
| sou gou | setGalOSNMAUsage getGalOSNMAUsage | Mode | MTRoot (65) | | | | | | | |
| | | off loose strict | | | | | | | | |
| sgd ggd | setGeodeticDatum getGeodeticDatum | TargetDatum | | | | | | | | |
| | | WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 Default User1 User2 | | | | | | | | |
| sgu ggu | setGeoidUndulation getGeoidUndulation | Mode | Undulation | | | | | | | |
| | | auto manual | -250.000 ... 0.000 ... 250.000 m | | | | | | | |
| sfno gfno | setGlobalFileNamingOptions getGlobalFileNamingOptions | BusyTag | | | | | | | | |
| | | off on | | | | | | | | |
| sga gga | setGNSSAttitude getGNSSAttitude | Source | MultiAntennaMod | | | | | | | |

| 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 | | | | | | | |
| sgpf ggpf | setGPIOFunctionality getGPIOFunctionality | GPPin GPPin | Mode | Input | Output | | | | | |
| | | + GP1 + GP2 all | Output | none | LevelLow LevelHigh | | | | | |
| shm ghm | setHealthMask getHealthMask | Engine Engine | Mask | | | | | | | |
| | | + Tracking + PVT all | off on | | | | | | | |
| shs ghs | setHttpsSettings getHttpsSettings | Protocol | | | | | | | | |
| | | + HTTP + HTTPS all | | | | | | | | |
| lif | IstInternalFile | File | | | | | | | | |
| | | Permissions Identification Debug Error SisError DiffCorrError SetupError IPPParameters RxMessages | | | | | | | | |
| sim gim | setIonosphereModel getIonosphereModel | 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) | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|---------------|--|---|-----------------------------------|---|-----------------|-------------|---------------------|------------|------------|------------|
| | | + 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 | | | | | | | |
| lbb | lbbBandBeams | | | | | | | | | |
| slbb glbb | setLBandBeams getLBandBeams | Beam Beam | Frequency | Rate | Name (8) | Region (8) | Usage | | | |
| | | + User1 + User2 + User3 + User4 all | 1525000000 ...1559000000 Hz | baud600 baud1200 baud2400 baud4800 | Unknown | Unknown | Disabled Enabled | | | |
| scls gcls | setLBandCustomServiceID getLBandCustomServiceID | ServiceID (4) | ScramblingVecto | NDAUsage | | | | | | |
| | | 0000 | 0000 | off on | | | | | | |
| slnd glnd | setLBandNTRIPDelivery getLBandNTRIPDelivery | Cd | | | | | | | | |
| | | none NTR1 NTR2 NTR3 NTR4 | | | | | | | | |
| sism glism | setLBandSelectMode getLBandSelectMode | Mode | Service | Beam1 | Beam2 | Beam3 | Beam4 | | | |

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|--------------|--|---|---------------------------------|---|--|---|---|------------|------------|------------|
| | | auto off manual | <u>Inmarsat</u> LBAS2 | <u>User1</u> User1 User2 User3 User4 LBAS2 1 LBAS2 2 LBAS2 3 LBAS2 4 LBAS2 5 LBAS2 6 LBAS2 7 LBAS2 8 LBAS2 9 LBAS2 10 LBAS2 11 LBAS2 12 LBAS2 13 LBAS2 14 LBAS2 15 LBAS2 16 LBAS2 17 LBAS2 18 LBAS2 19 LBAS2 20 LBAS2 21 LBAS2 22 LBAS2 23 LBAS2 24 LBAS2 25 LBAS2 26 LBAS2 27 LBAS2 28 LBAS2 29 LBAS2 30 LBAS2 31 LBAS2 32 | User1 <u>User2</u> User3 User4 LBAS2 1 LBAS2 2 LBAS2 3 LBAS2 4 LBAS2 5 LBAS2 6 LBAS2 7 LBAS2 8 LBAS2 9 LBAS2 10 LBAS2 11 LBAS2 12 LBAS2 13 LBAS2 14 LBAS2 15 LBAS2 16 LBAS2 17 LBAS2 18 LBAS2 19 LBAS2 20 LBAS2 21 LBAS2 22 LBAS2 23 LBAS2 24 LBAS2 25 LBAS2 26 LBAS2 27 LBAS2 28 LBAS2 29 LBAS2 30 LBAS2 31 LBAS2 32 | User1 User2 User3 User4 LBAS2 1 LBAS2 2 LBAS2 3 LBAS2 4 LBAS2 5 LBAS2 6 LBAS2 7 LBAS2 8 LBAS2 9 LBAS2 10 LBAS2 11 LBAS2 12 LBAS2 13 LBAS2 14 LBAS2 15 LBAS2 16 LBAS2 17 LBAS2 18 LBAS2 19 LBAS2 20 LBAS2 21 LBAS2 22 LBAS2 23 LBAS2 24 LBAS2 25 LBAS2 26 LBAS2 27 LBAS2 28 LBAS2 29 LBAS2 30 LBAS2 31 LBAS2 32 | User1 User2 User3 User4 LBAS2 1 LBAS2 2 LBAS2 3 LBAS2 4 LBAS2 5 LBAS2 6 LBAS2 7 LBAS2 8 LBAS2 9 LBAS2 10 LBAS2 11 LBAS2 12 LBAS2 13 LBAS2 14 LBAS2 15 LBAS2 16 LBAS2 17 LBAS2 18 LBAS2 19 LBAS2 20 LBAS2 21 LBAS2 22 LBAS2 23 LBAS2 24 LBAS2 25 LBAS2 26 LBAS2 27 LBAS2 28 LBAS2 29 LBAS2 30 LBAS2 31 LBAS2 32 | | | |
| slm glm | setLEDMode getLEDMode | <i>GPLED</i> | | | | | | | | |
| | | <u>DIFFCORLED</u> PVTLED TRACKLED LOGLED | | | | | | | | |
| slco glco | setLocalCoordOperation getLocalCoordOperation | <i>OpName (100)</i> | <i>ENHTransfo</i> | | | | | | | |
| | | <u>NETWORK</u> | <i>none</i> lt1 | | | | | | | |
| llc | IstLocalCoordOperations | <i>Operation</i> | | | | | | | | |
| | | 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 | <i>Disk</i> | <i>Action</i> | | | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|---|-----------------------------------|------------------------|-------------------------|--------------------|--------------------|------------------------|------------|------------|
| | | <u>DSK1</u> | <u>Unmount</u> Mount Format | | | | | | | |
| smp gmp | setMarkerParameters getMarkerParameters | <i>MarkerName (60)</i> | <i>MarkerNumber (20)</i> | <i>MarkerType (20)</i> | <i>StationCode (10)</i> | <i>MonumentIdx</i> | <i>ReceiverIdx</i> | <i>CountryCode (3)</i> | | |
| | | SEPT | <u>Unknown</u> | <u>Unknown</u> | | 0...9 | 0...9 | | | |
| smrf gmrf | setMeas3MaxRefInterval getMeas3MaxRefInterval | <i>MaxIntrvl</i> | | | | | | | | |
| | | OnlyRef msec500 sec1 sec5 sec10 sec30 sec60 | | | | | | | | |
| lmd | IstMIBDescription | <i>File (255)</i> | | | | | | | | |
| | | 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 <u>on</u> | off <u>on</u> | | | | | | | |
| snrc gnrc | setNetworkRTKConfig getNetworkRTKConfig | <i>NetworkType</i> | | | | | | | | |
| | | <u>auto</u> VRS | | | | | | | | |
| enoc gnoc | exeNMEAOnce getNMEAOnce | <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 NTR4 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 NTR4 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 | | | | | |
| | | + 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 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 +NTR4 all | off Server Client | | 0 ...2101 ...65535 | | | | v1 v2 | auto off sec1 sec5 sec10 sec60 |
| Inst | lstNTRIPSourceTable | Caster (40) | Port | | | | | | | |
| | | | 0 ...2101 ...65535 | | | | | | | |
| sntt gntt | setNtripTlsSettings getNtripTlsSettings | Cd Cd | Enable | Fingerprint (96) | | | | | | |
| | | +NTR1 +NTR2 +NTR3 +NTR4 all | off on | | | | | | | |
| 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 +COM3 +COM4 all | A:Unknown | off once msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60 | | | | | | |
| sp2p gp2p | setPointToPoint getPointToPoint | SessionID SessionID | Mode | Cd | ClientIP (20) | ServerIP (20) | Auth | Password (40) | ConnectTimeout | ActivityTimeout |
| | | +P2PP1 all | Off Server | COM1 COM2 COM3 COM4 | 192.168.50.2 | 192.168.50.1 | None PAP CHAP | | 60 ...300 s | 10 ...600 ...32000 s |
| spfw gpfw | setPortFirewall getPortFirewall | Interface Interface | OpenPorts | PortList (100) | | | | | | |
| | | + Ethernet all | none default all PortList | | | | | | | |
| epwm gpwm | exePowerMode getPowerMode | Mode | | | | | | | | |
| | | ScheduledSleep StandBy | | | | | | | | |
| sps2 gps2 | setPPS2Parameters getPPS2Parameters | Interval | Polarity | Delay | TimeScale | MaxSyncAge | PulseWidth | | | |

| 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 | | | |
| spgs gpps | setPPSPParameters getPPSPParameters | <i>Interval</i> | <i>Polarity</i> | <i>Delay</i> | <i>TimeScale</i> | <i>MaxSyncAge</i> | <i>PulseWidth</i> | | | |
| | | 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 | <i>Mode</i> | <i>RoverMode</i> | <i>RefPos</i> | | | | | | |
| | | Static <u>Rover</u> | + StandAlone + SBAS + DGPS + RTKFloat + RTKFixed + PPP + RTK all | auto Geodetic1 Geodetic2 Geodetic3 Geodetic4 Geodetic5 Cartesian1 Cartesian2 Cartesian3 Cartesian4 Cartesian5 | | | | | | |
| srl grl | setRAIMLevels getRAIMLevels | <i>Mode</i> | <i>Pfa</i> | <i>Pmd</i> | <i>Reliability</i> | | | | | |
| | | off <u>on</u> | -12 ... -4 ... -1 | -12 ... -4 ... -1 | -12 ... -3 ... -1 | | | | | |
| grc | getReceiverCapabilities | | | | | | | | | |
| srd grd | 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> | | | | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|--|--|--------------------|--------------------|----------------------|---------------------|-----------------|------------|------------|
| | | + RxName + SNMPLanguage + SNMPVersion all | | | | | | | | |
| lrf | IstRecordedFile | Disk | FileName (60) | | | | | | | |
| | | DSK1 | | | | | | | | |
| srom grom | setREFOUTMode getREFOUTMode | Enable | | | | | | | | |
| | | off on | | | | | | | | |
| era gra | exeRegisteredApplications getRegisteredApplications | Cd <i>Cd</i> | Application (12) | | | | | | | |
| | | + COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 all | Unknown | | | | | | | |
| 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 Hard 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> | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|--|---|---|--|--|------------------------------|------------------|------------|------------|
| | | + <u>DSK1</u> all | <u>none</u> hour1 hour6 hour24 minute15 | <u>sec1</u> sec2 sec5 sec10 sec15 sec30 sec60 | <u>none</u> + <u>GPSL1CA</u> + <u>GPSL2PY</u> + <u>GPSL2C</u> + <u>GPSL5</u> + <u>GLOL1CA</u> + <u>GLOL2P</u> + <u>GLOL2CA</u> + <u>GLOL3</u> + <u>GALL1BC</u> + <u>GALE6BC</u> + <u>GALE5a</u> + <u>GALE5b</u> + <u>GALE5</u> + <u>GEOL1</u> + <u>GEOL5</u> + <u>BDSB1I</u> + <u>BDSB2I</u> + <u>BDSB3I</u> + <u>BDSB1C</u> + <u>BDSB2a</u> + <u>QZSL1CA</u> + <u>QZSL2C</u> + <u>QZSL5</u> + <u>NAVICL5</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>GLOToD</i> | <i>RTKVersion</i> | | | | | | |
| | | Standard GroupDelay | Tk Tb | v2.1 <u>v2.2orLater</u> | | | | | | |
| sr2f gr2f | setRTCMv2Formatting getRTCMv2Formatting | <i>ReferenceID</i> | <i>GLOToD</i> | | | | | | | |
| | | <u>Q</u> ... 1023 | Tk Tb | | | | | | | |
| sr2i gr2i | setRTCMv2Interval getRTCMv2Interval | Message <i>Message</i> | <i>ZCount</i> | | | | | | | |
| | | +RTCM1 +RTCM3 +RTCM9 +RTCM16 +RTCM17 +RTCM22 +RTCM23 24 +RTCM31 +RTCM32 all | <u>1</u> ... <u>2</u> ... 1000 | | | | | | | |
| sr2b gr2b | setRTCMv2IntervalObs getRTCMv2IntervalObs | Message <i>Message</i> | <i>Interval</i> | | | | | | | |
| | | +RTCM18 19 +RTCM20 21 all | <u>1</u> ... 600 s | | | | | | | |
| sr2m gr2m | setRTCMv2Message16 getRTCMv2Message16 | <i>Message (90)</i> | | | | | | | | |
| | | Unknown | | | | | | | | |
| sr2o gr2o | setRTCMv2Output getRTCMv2Output | <i>Cd</i> <i>Cd</i> | Messages | | | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|--|--|--------------|--------------------|------------|------------|------------|------------|------------|
| | | + COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + NTR4 + 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 | <i>MsgUsage</i> | | | | | | | | |
| | | none + RTCM1 + RTCM3 + 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> | | | | | | | | |
| | | 0.0 ... 600.0 s | | | | | | | | |
| sr3f gr3f | setRTCMv3Formatting getRTCMv3Formatting | <i>ReferenceID</i> | <i>MSMSignals</i> | <i>GL0L2</i> | <i>RxType (32)</i> | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|--|---|-------------|------------|------------|------------|------------|------------|------------|
| | | Q ... 4095 | +GPSL1CA +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +QZSL1CA +QZSL2C +QZSL5 +NAVICL5 all | L2CA L2P | default | | | | | |
| sr3i gr3i | setRTCMv3Interval getRTCMv3Interval | Message Message | Interval | | | | | | | |
| | | +RTCM1001 2 +RTCM1003 4 +RTCM1005 6 +RTCM1007 8 +RTCM1009 10 +RTCM1011 12 +RTCM1013 +RTCM1019 +RTCM1020 +RTCM1029 +RTCM1033 +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 | none | | | | | | | |
| | | + COM2 | + RTCM1001 | | | | | | | |
| | | + COM3 | + RTCM1002 | | | | | | | |
| | | + COM4 | + RTCM1003 | | | | | | | |
| | | + USB1 | + RTCM1004 | | | | | | | |
| | | + USB2 | + RTCM1005 | | | | | | | |
| | | + IP10 ... IP17 | + RTCM1006 | | | | | | | |
| | | + NTR1 | + RTCM1007 ... | | | | | | | |
| | | + NTR2 | RTCM1013 | | | | | | | |
| | | + NTR3 | + RTCM1019 | | | | | | | |
| | | + NTR4 | + RTCM1020 | | | | | | | |
| | | + IPS1 | + RTCM1029 | | | | | | | |
| | | + IPS2 | + RTCM1033 | | | | | | | |
| | | + IPS3 | + RTCM1042 | | | | | | | |
| | | + IPS4 | + RTCM1044 | | | | | | | |
| | | + IPS5 | + RTCM1045 | | | | | | | |
| | | + 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 | | | | | | | |
| | | | + RTCM1131 ... | | | | | | | |
| | | | RTCM1137 | | | | | | | |
| | | | + RTCM1230 | | | | | | | |
| | | | + MSM1 | | | | | | | |
| | | | + MSM2 | | | | | | | |
| | | | + MSM3 | | | | | | | |
| | | | + MSM4 | | | | | | | |
| | | | + MSM5 | | | | | | | |
| | | | + MSM6 | | | | | | | |
| | | | + MSM7 | | | | | | | |
| | | | all | | | | | | | |
| sr3u | setRTCMv3Usage | MsgUsage | | | | | | | | |
| 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 +RTCM1045 +RTCM1046 +RTCM1071 ... <u>RTCM1077</u> +RTCM1081 ... <u>RTCM1087</u> +RTCM1091 ... <u>RTCM1097</u> +RTCM1111 ... <u>RTCM1117</u> +RTCM1121 ... <u>RTCM1127</u> +RTCM1230 +MSM1 +MSM2 +MSM3 +MSM4 +MSM5 +MSM6 +MSM7 all | | | | | | | | |
| sst gst | setSatelliteTracking getSatelliteTracking | <i>Satellite</i> | | | | | | | | |
| | | none +G01 ... <u>G32</u> +R01 ... <u>R30</u> +E01 ... <u>E36</u> +S120 ... <u>S158</u> +C01 ... <u>C63</u> +J01 ... <u>J07</u> +I01 ... <u>I14</u> +GPS +GLONASS +GALILEO +SBAS +BEIDOU +QZSS +NAVIC 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 Operational | EnRoute PrecApp MixedSystems | 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 + LBand + 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 NTR4 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 + LBand + 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 | ... <u>none</u> DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 NTR4 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 IPR4 IPR5 | <u>none</u> [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTEExtra + Attitude + Time + Event + DiffCorr + Status + LBand + UserGroups + PostProcess + Rinex + RinexMeas3 + Support | <u>off</u> OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60 | | | | | |
| snt | 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> + GPSL5 + <u>GLOL1CA</u> + GLOL2P + <u>GLOL2CA</u> + GLOL3 + <u>GALL1BC</u> + GALE6BC + <u>GALE5a</u> + <u>GALE5b</u> + GALE5 + <u>GEOL1</u> + GEOL5 + <u>BDSB1I</u> + <u>BDSB2I</u> + <u>BDSB3I</u> + BDSB1C + BDSB2a + <u>QZSL1CA</u> + <u>QZSL2C</u> + QZSL5 + <u>QZSL6</u> + <u>NAVICL5</u> + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all | | | | | | | | |
| snu gnu | setSignalUsage getSignalUsage | <i>PVT</i> | <i>NavData</i> | | | | | | | |
| | | + <u>GPSL1CA</u> + <u>GPSL2PY</u> + <u>GPSL2C</u> + GPSL5 + <u>GLOL1CA</u> + <u>GLOL2P</u> + <u>GLOL2CA</u> + GLOL3 + <u>GALL1BC</u> + GALE6BC + <u>GALE5a</u> + <u>GALE5b</u> + <u>GALE5</u> + <u>GEOL1</u> + <u>GEOL5</u> + <u>BDSB1I</u> + <u>BDSB2I</u> + <u>BDSB3I</u> + BDSB1C + BDSB2a + <u>QZSL1CA</u> + <u>QZSL2C</u> + QZSL5 + <u>QZSL6</u> all | + <u>GPSL1CA</u> + <u>GPSL2PY</u> + <u>GPSL2C</u> + GPSL5 + <u>GLOL1CA</u> + <u>GLOL2P</u> + <u>GLOL2CA</u> + GLOL3 + <u>GALL1BC</u> + GALE6BC + <u>GALE5a</u> + <u>GALE5b</u> + <u>GALE5</u> + <u>GEOL1</u> + GEOL5 + <u>BDSB1I</u> + <u>BDSB2I</u> + <u>BDSB3I</u> + BDSB1C + BDSB2a + <u>QZSL1CA</u> + <u>QZSL2C</u> + QZSL5 + <u>QZSL6</u> all | | | | | | | |
| ssi gsi | setSmoothingInterval getSmoothingInterval | Signal <i>Signal</i> | <i>Interval</i> | <i>Alignment</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 +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE6BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB3I +BDSB1C +BDSB2a +QZSL1CA +QZSL2C +QZSL5 +QZSL6 +NAVICL5 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 | | | | |
| | | + 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 | Source | | | | | | | | |
| | | none EventA EventB | | | | | | | | |
| sts gts | setTimingSystem getTimingSystem | System | | | | | | | | |
| | | Galileo GPS BeiDou auto | | | | | | | | |
| stlp gtlp | setTrackingLoopParameters getTrackingLoopParameters | Signal Signal | DLLBandwidth | PLLBandwidth | MaxTpDLL | MaxTpPLL | Adaptive | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|--|---|---|---|---|---|---|---|--|
| | | + GPSL1CA + Reserved2 + GPSL2C + GPSL5 + GLOL1CA + GLOL2P + GLOL2CA + GLOL3 + GALL1BC + GALE6BC + GALE5a + GALE5b + GALE5 + GEOL1 + GEOL5 + BDSB1I + BDSB2I + BDSB3I + BDSB1C + BDSB2a + QZSL1CA + QZSL2C + QZSL5 + Reserved3 + NAVICL5 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 | <i>ZenithModel</i> | <i>MappingModel</i> | | | | | | | |
| | | off Saastamoinen MOPS | Niell MOPS | | | | | | | |
| 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 % | | | | | | |
| suoc guoc | setUMSDOnConnect getUMSDOnConnect | <i>Mode</i> | | | | | | | | |
| | | off on | | | | | | | | |
| suia guia | setUSBInternetAccess getUSBInternetAccess | <i>Enable</i> | | | | | | | | |
| | | off on | | | | | | | | |
| sual gual | setUserAccessLevel getUserAccessLevel | <i>UserID</i> <i>UserID</i> | <i>UserName (16)</i> | <i>Password (32)</i> | <i>UserLevel</i> | <i>SSHKey (232)</i> | | | | |
| | | + User1 User8 all | ... | | Viewer User | | | | | |
| sud gud | setUserDatum getUserDatum | <i>Datum</i> <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 | <i>Datum</i> <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 ... 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> | <i>A</i> | <i>Invf</i> | | | | | | |

| Mnm. | Name | Argument 1 | Argument 2 | Argument 3 | Argument 4 | Argument 5 | Argument 6 | Argument 7 | Argument 8 | Argument 9 |
|--------------|--|---------------------------|--|---|------------|------------|------------|------------|------------|------------|
| | | + User1 + User2 all | 6300000.000 ...6378137.000 ...6400000.000 m | 290.000000000 ...298.25722356 ...305.00000000 | | | | | | |
| swui gwui | setWakeUpInterval getWakeUpInterval | <i>WakeUpTime (30</i> | <i>AwakeDuration</i> | <i>RepetitionPeriod</i> | | | | | | |
| | | 2000-01-01 00:00:00 | 0 ... 604800 s | 0 ... 604800 s | | | | | | |
| swbi gwbi | setWBIMitigation getWBIMitigation | <i>Mode</i> | | | | | | | | |
| | | off on | | | | | | | | |

SBF List

| | | |
|---------------------|----------------------|----------------------|
| ASCIIn | AttCovEuler | AttEuler |
| AuxAntPositions | BBSamples | BDSAlm |
| BDSIon | BDSNav | BDSRaw |
| BDSRawB1C | BDSRawB2a | BDSUtc |
| BaseStation | BaseVectorCart | BaseVectorGeod |
| ChannelStatus | Commands | Comment |
| CosmosStatus | DOP | DiffCorrIn |
| DiskStatus | DynDNSStatus | EndOfAtt |
| EndOfMeas | EndOfPVT | ExtEvent |
| ExtEventAttEuler | ExtEventBaseVectGeod | ExtEventPVTCartesian |
| ExtEventPVTGeodetic | FugroDDS | FugroStatus |
| GALAlm | GALAuthStatus | GALGstGps |
| GALIon | GALNav | GALRawCNAV |
| GALRawFNAV | GALRawINAV | GALSARRLM |
| GALUtc | GEOAlm | GEOClockEphCovMatrix |
| 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 | IPStatus |
| InputLink | LBandBeams | LBandRaw |
| LBandTrackerStatus | Meas3CN0HiRes | Meas3Doppler |
| Meas3MP | Meas3PP | Meas3Ranges |
| MeasEpoch | MeasExtra | NAVICRaw |
| NTRIPClientStatus | NTRIPServerStatus | OutputLink |
| P2PPStatus | PVTCartesian | PVTGeodetic |
| PVTSupport | PVTSupportA | PosCart |
| PosCovCartesian | PosCovGeodetic | PosLocal |
| PosProjected | QZSAlm | QZSNav |
| QZSRawL1CA | QZSRawL2C | QZSRawL5 |
| QZSRawL6 | QualityInd | RFStatus |
| RTCMDatum | ReceiverSetup | ReceiverStatus |
| ReceiverTime | RxMessage | SatVisibility |
| VelCovCartesian | VelCovGeodetic | xPPSOffset |