# GURALP SYSTEMS

# CMG-SAM

## Command reference

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| **HELP** | Display the firmware version, release date and command list. |
| **REBOOT** | *(Interactive)* Reboot the system. |
| | Commands marked in **red** below *require* a reboot to take effect. |
| | Commands marked in **black** take effect immediately. |
| **GO** or **CLOSE** | Leave command mode and resume transmitting data blocks. |
| **SHUTDOWN** | Ready the system for powering down (*i.e.* do not switch to the internal battery) |
| **RECYCLE** | Begin overwriting the oldest data when the disk is full (circular store). |
| **USE-ONCE** | Stop writing data when the disk is full. |
| **RESET-DISK** | Mark the disk as blank. Contents will be removed on the next write. |
| **DIR** | List the contents of the disk, including start and end times for each file. |
| **FLUSH** | Transfer all data in memory to the disk (*e.g.* before powering down.) |
| **STREAMS?** | List all streams coming in to the SAM, showing System IDs, serial numbers, tap settings and port information, and including the SAM's own status stream. |
| **OPEN** *instrument serial* | Open a pass-through link to the instrument with System ID *instrument* and serial number *serial*. (Use **STREAMS?** to discover attached instruments.) |
| *period* **HR-CYCLE** | Set the time period to wait between GPS power cycles, in hours. |
| | *period* = 0 : Disable GPS power cycling, run continuously. |
| *port* **BROADCAST** | If *port* > 0, enable broadcast mode, and select port *port* to be the *BROADCAST* port. |
| | If *port* = 0, disable broadcast mode. |
| *port* **SIMPLEX** | In broadcast mode, redirect transmission on port *port* (> 0) to the *BROADCAST* port. |
| *port* **DUPLEX** | Set port *port* (> 0) to duplex operation, cancelling any redirection. |
| **SET-ID** | *(Interactive)* Set system and stream IDs. |
| **SET-CLOCK** | *(Interactive)* Set the time-stamp used by SAM status messages. |
| *port* *rate* **BAUD** | Set the baud rate of port *port* to *rate* baud, |
| | unless *rate* = 1152, in which case set the baud rate to 115200 baud. |
| | *port* = 0 : *DATA OUT* or *AUX* connector |
| | *port* = 1 : *PORT A* connector |
| | *port* = 2 : *PORT B* connector |
| *port* *rate* **RX-BAUD** | Set the baud rate as above for receive only. *port* must be > 0. |
| *port* *rate* **TX-BAUD** | Set the baud rate as above for transmit only. *port* must be > 0. |
| *port* **AUTO-BAUD** | Adjust the baud rate on port *port* automatically from incoming data. |
| *port* **FIX-BAUD** | Disable automatic baud adjustment mode, and use the rate set with **BAUD**. |
| *size* **MB-FILE** | Set the amount of memory to fill with data before transferring to disk, in Mb. |
| *code* **GPS-TYPE** | Set the synchronisation source. |
| | *code* = 0 : no time signal |
| | *code* = 2 : Garmin GPS |
| | *code* = 3 : Stream sync |
| *rate* **S/S-O/P** | Transmit only streams with a rate lower than *rate* samples/sec. |
| *port* **SYNC-ON** | Transmit stream sync signals on port *port*. *port* must be > 0. |
| *port* **SYNC-OFF** | Disable transmitting stream sync signals on port. *port* must be > 0. |