

XDS Receiver M&C Commands

Alarm (00000000-FFFFFFFF)	set alarm masks
ALIB LIST,[FILES/ISCI/PROGRAMS]	
ALIB DEL,[ISCI/FILE/REC],[PATTERN]	
ALIB INBOX,[OFF/ON/GET]	
ALIB [TEST/SCAN]	check compact flash and hard drive health
ALIB FIX,[AUTO/FORCE],[CF/HDD/ALL]	scan/repair compact flash and hard drive
ALIB FORMAT,[CF/HDD]	reformat compact flash and hard drive (DESTRUCTIVE!!!)
ALIB HDD,[YES/NO]	check or set intended HDD configuration (su only)
ALIB PACING,[0/1]	temporarily disable terrestrial pacing (admin only)
AMR	AMR status inside XDS-Pro receiver
ANC (PAD, PAD BAUD, PAD PGM, PAD TEST)	Get/Set PAD port settings (See PAD command) *Does not show up in online help
BAUD	Get/Set Console M&C baud rate
BACKLIGHT	Turn receiver LCD backlight on and off
BIAS (Time, Live, Play, REC)	Schedule bias settings
CA MODE,[mode]	CA mode=NONE/XDS/BISS1
CA KEYS,[even-key],[odd-key]	even/odd key=32-bit hex value for XDS even key=48-bit hex value for BISS1
CUE MSG,"message"	
CUE BAUD,[1200/2400/9600/19200]	
CUE PAR,[N/O/E]	
CUE OUTPUT,[CUE/ECUE],[ON/OFF]	
CUE UDP,[A-D],[ip:port/CLEAR]	
CUE FIRE,[CUE]/te.g. "#T01@" or "1:PGM:CODE:ISCI:***"	
DSP (PID, REBOOT, TONE, BUFS, VOL, AIN, SR, STATS)	*Does not show up in online help
E0 SHOW	
E0 MAC	
E0 DHCP,[ON/OFF]	
E0 ADDR,[a.b.c.d]	
E0 MASK,[a.b.c.d]	
E0 GATEWAY,[a.b.c.d]	
E0 DNS,[a.b.c.d],[...]	set up to 3 DNS servers
E0 BOA,[port]	set internal web server port (default=80)
E0 ROUTE	
E0 KEEPALIVE,[secs]	keep-alive by ping of default gateway
E1 ADDR,[a.b.c.d]	
E1 MASK,[a.b.c.d]	
E1 SHOW	
E1 WWW,[host1],[host2]	hosts may be a.b.c.d or dns name
E1 PROXY,[host:port/CLEAR]	e.g. 192.168.1.1:80 or myproxy:8080
EXT (PRESENT, ECHO, I2C)	Displays true if external tuner is present
FACTORY DEFAULTS,[USER/FULL]	Set factory defaults
FACTORY NETWORK	Get network id
FAN SHOW	basic fan check
FAN x AUTO	Set fan x to AUTO (x=0)
FAN x val	Set fan x to val percent (x=0)

FAN x TACH	Get fan x tach value (x=0)
FIND [pattern] [cmd]	quote pattern and command as needed
FIRE [CUE]/te.g. "C:T01" or "2:PGM:CODE"	fire cues locally on the receiver
FPGA LOAD,[filename] FPGA REG,[reg],[val] (hex)	
GID SHOW GID ADD,[id] GID DEL,[id] GID ALL,[id]..[id]	group ID
GREP [pattern] [cmd]	quote pattern and command as needed – file search command
HELP	Display available commands
INS VOL,[0-255] 1=min, 0=255=max INS MODE,[NATIONAL/REGIONAL]	set system insertion mode and volume limits
MON [A-D/HP],[A-D/MAIN/AIN/AESIN]	Headphone Monitoring diagnostics
I2C	
ISTREAM SHOW/STATS ISTREAM DELAY,[seconds] 0=default ISTREAM HOST,[primary],[[backup CLEAR]] ISTREAM SAT,[0/1] Enable(1)/Disable(0) satellite backup ISTREAM START,[slot],[pid] ISTREAM STOP,[slot] ISTREAM PARALLEL,[0/1] ISTREAM LOCALHOST,[0/1] ISTREAM PREDICTIVE,[0/1]	Turn on parallel fetch mode Turn on local host override Turn on predictive indexing
LCD "line1" ["line2" "line3" "line4"]	Display messages on the screen
LOAD SHOW LOAD FILE,[filename] LOAD HTTP,[filename] LOAD SCRIPT,[filename] LOAD SAT,[ON/OFF] LOAD BOOT,[bootloader]	start ethernet download start internet download run shell script (dos2unix) ignore satellite upgrades install bootloader
LOGS SHOW LOGS PLAYED LOGS PURGE LOGS AUTO,[n] LOGS REPORT,[n] LOGS INBOX,[n] LOGS [STATS/REG/SCRIPT] LOGS MSG,"message" LOGS SIZE,[kbytes]	auto log status/stats every n minutes report immediately/report events every n minutes call inbox every n minutes log statistics, other NOC functions log private message set the maximum log size (512KB-5MB)
LOGIN (GUEST, TECH, ADMIN, ROOT)	login to console command
LOGOUT	exits console command
MAIL SHOW MAIL TEST MAIL CLEAR	

MAIL HOST,[host[:port]]	local SMTP host (port optional, default assumed)
MAIL TO,[recipient]	where recipient is name@domain format (limit 256 chars, comma separate multiple addresses)
MAIL FROM,[originator]	where originator is name@domain format (limit 64 chars)
MAIL ALERT,[hex]	enable alerts on given status bits
MAINT SHOW	
MAINT CLEAR	
MAINT SET,[HH:MM],[MIN],[days]	set local maintenance window (time), duration, and weekdays
	days are DAILY,SUN,MON,TUE,WED,THU,FRI,SAT
MODEM SHOW	
MODEM STATUS	
MODEM INIT,[ATxxxx]	modem init string
MODEM PPP1,[phone],[user],[pwd]	primary account
MODEM PPP2,[phone],[user],[pwd]	backup account
MODEM [PPP1/PPP2],CLEAR	
MODEM TEST [LINE/PPP1/PPP2]	
MODEM PERIOD,[min]	
MODEM REDIAL,[min]	
MODEM [ENABLE/DISABLE]	
MD	Memory Dump Diganostics
MPE START,[slot],[pid],[ip:port]	slot=0-3, pid=hex, destination ip:port
MPE STOP,[slot]	
MPE SHOW	
MR	Memory Read Diagnostics
MX3 [license]	support SGIII carriers (license required)
MX3 OFF	disable SGIII compatibility
NAS SHOW	Network Attached Storage
NAS REMOUNT,[0-1]	
NAS EXPORT,ALL	remark all files for export
NAS SET,[0-1],[NONE/NFS/SMB/FTP],[urn],[path],[user],[pwd]]	
	where urn is the host and mountpoint, e.g. "//10.1.1.1/root" (may be quoted)
	where path is the working directory relative to root (may be quoted, default "/")
	where user and pwd are optional account login if required
NTP SHOW	
NTP ADD,[host]	ip or url
NTP CLEAR	
NTP PRIO,[NTP/TDT]	priority for NTP over TDT
NETCUE (BAUD, OUTPUT, MSG, FIRE)	get/set necue serial baud and mode
PAD [port],"message"	port=A-D
PAD BAUD,[port],[baud]	baud = 300/1200/2400/9600/19200/38400/57600]
PAD PGM,[port],[ANC/pgm]	ANC for ancillary or pgm (or pid) for async
PAD ROUTE,[port],[NONE/CUE/ECUE/PASS/ALL]	route netrly cues to pad port
PAD PMSG,[pgm#],"message"	Program associated message
PAD TEST,[port],[START/STOP]	QBF test on port A-D at current baud
PAD IPRROUTE,[ip:port/CLEAR]	route ancillary given ip:port
PAD IPRROUTE,[port],[ip:port]	route ancillary on port A-D to given ip:port
PAD WAIT,[port],[wait]	port=A-D, wait=wait time in seconds between received ancillary data
PAD DATA,[port]	port=A-D, display raw PAD data
PASS	show IRD password of the day
PID	set headphone program by PID

PORT SHOW	
PORT STATUS,[port]	
PORT STOP,[port]	port=A-D
PORT LIVE,[port],[pgmid]	program id
PORT PID,[port],[pid]	pid in hex, e.g. 100A
PORT PLAY,[port],[recording],[[ofs]]	optional offset (HH:MM:SS.hh)
PORT AMODE,[port],[MONO/STEREO]	
PORT AUTOPLAY,[port],[pgmid],RECENT,[n]	plays the nth most recent rec of pgmid (0=latest)
PORT AUTOPLAY,[port],[pgmid],TIME,[HH:MM:SS],[[YYYY-MM-DD]]	play recording from given time (date optional)
PORT INSERT,[port],[isci]	
PORT [UN]LOCK,[port]	port=A-D or ALL
PORT SYNC	sync audio ports to regular schedule
PORT [PAUSE/RESUME/PREVIEW],[port]	port=A-D, playlist or playback streams only
PORT TONE,[100/1000/10000/STOP]	stops programming and puts tone on all ports
PORT CRASH,[pgm],[LOCK UNLOCK],[HH:MM:SS]	change to the requested program and optionally lock the port for the given timeout
PORT CRASH,0	unlock the requested port and sync to regular schedule
PSI SHOW [filter]	
PSI [AUTHS/BOUQUETS/GROUPS/CUES/NETWORK/WINDOWS/NIT/UDP]	
PSI SCHED,[pgmid]	
PSI MONITOR,[ON/OFF/USBLOAD]	enable PSI and PID monitoring
PSI CLEAR	
PSI WIN	
PSI GROUPS	
PSI NIT,[pid] in hex, 0=auto (from PAT)	
PSI SET,[pgmid],[pid]	manually add a program/PID pair to PSI
PSI ACTIVATE,[YES/NO]	
PIO pin	reads value of pio pin specified
PIO pin,val	sets value of PIO pin to val
PIO pin,INPUT	define pin as an input
PING [a.b.c.d]	network diagnostics
PLAY [filename]	audio diagnostics
PWR	monitor current power settings
QUIT	logout (for root level M&C, this quits to linux shell)
REBOOT 1	restarts operating system
REBOOT SDL	reboot of SDL is ready
REBOOT SS,[mask]	reboot if SS mask is set (mask in hex)
REBOOT MAINT,[0/1/2]	reboot during maintenance window (0=clear,1=set,2=now)
REC SHOW	
REC STOP/PAUSE,[0-7]	
REC START,[0-7],[pid],[H:MM:SS],[LOOP/LIMIT/PREBUFFER],[bytes]	
REPORT SHOW	
REPORT SET [hr:min] [hr:min]	Start/duration of report window (in NOC TZ)
RLY SHOW	Read/Fire relays manually
RLY [0-31],[ON/OFF/PULSE]	
RLY ALL,[xxxx]	
RLY IN,[1-15]	
RLY TEST,[START/STOP]	
RLY MODE,[NONE/RLY/CUES/ALL/PORT]	RLY=embedded relays only, CUES=netcues only, ALL=both, PORT=mapped
RTP	
SCRIPT "script",[param1]...[param9]]>	execute a script file (optional parameters)

SCRIPT KILL	terminate any running scripts
SHUTDOWN 1	shutdown (do not reboot)
SLEEP [msec]	Delay/Pause command (used for M&C scripting)
SF (SHOW)	get/clear status faults (or faults history)
SN	get IRD serial number
SS (SHOW)	get current system status
SCHED SHOW,[station]	
SCHED PREREC,[SUSPEND/RESUME],[[dt],[duration]] in minutes	
SNMP SHOW	
SNMP SET,[host:port],[community string]	
SNMP PWD,[user],[password]	user=TECH or ADMIN, password=At least 8 characters long
SNMP CLEAR	
STATION SHOW	
STATION SCHED	
STATION ROTATIONS,[stationid],[[pgm#]]	
STATION ROTATION,ADD[LT],[stationid],[pgm#],[cue-code],[[isci]...[isci]]	
...or	
STATIONS SHOW	
STATIONS SCHED	
STATIONS ROTATIONS,[stationid],[[pgm#]]	
STATIONS ROTATION,ADD[LT],[stationid],[pgm#],[cue-code],[[isci]...[isci]]	
TEMP	Monitor current environment temps
TIME	Get current time
TRACE SHOW	
TRACE ALL	
TRACE NONE	
TRACE [str]	
TTY [port]	open serial port (0=M&C, 1=NETCUE, 2=MODEM)
TTY [port],[2400/9600/19200]	set baud (8 data, no parity, 1 stop bit)
TUNER SHOW	Show tuner settings/statistics
TUNER SET,[kHz],[sps],[uplink_id]	Set parameters of tuner
TUNER MODE,[DVB-S/DVB-S2-QPSK/DVB-S2-8PSK]	Set modulation mode
TUNER FBC,[kHz],[sps],[mode],[uplink_id]	Set fallback carrier parameters
TUNER LNB,[kHz]	Set LO values for tuner
TUNER SR,sr	Set SR values for tuner
TUNER LNBV,[ON/OFF]	Turn LNB power on off
TUNER CLEAR	Clear all tuner statistics
TUNER [ENABLE/DISABLE]	Terrestrial only
TUNER SPAN [kHz]	How wide to allow tuner to search when locking
TUNER2 SHOW	Show tuner settings/statistics
TUNER2 SET,[kHz],[sps],[uplink_id]	Set parameters of tuner
TUNER2 MODE,[DVB-S/DVB-S2-QPSK/DVB-S2-8PSK]	Set modulation mode
TUNER2 FBC,[kHz],[sps],[mode],[uplink_id]	Set fallback carrier parameters
TUNER2 LNB,[kHz]	Set LO values for tuner
TUNER2 SR,sr	Set SR values for tuner
TUNER2 LNBV,[ON/OFF]	Turn LNB power on off
TUNER2 CLEAR	Clear all tuner statistics
TUNER2 [ENABLE/DISABLE]	Terrestrial only

TUNER2 SPAN [kHz]	How wide to allow tuner to search when locking
UDP SHOW	
UDP SET,[port],[ip:port]	port=A-D,ip:port=destination
UDP CLEAR,[port]	port=A-D
VER	Show application version
VOL	Control headphone volume
WATERMARK [license]	watermark audio (license required)
WATERMARK OFF	disable watermarking
WATERMARK SHOW	
WATERMARK SET [rawbr],[gain X 10],[timedilation],[whitenedssn],[ecc],[manchester],[syncword],[crc],[ssnfiltertype]	(must supply all args in order)