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Sunfire Theater Grand III and Ultimate Receiver RS-232 Command Set

Note: Some commands require software version 2.07 or later. If your unit does not respond to a specific command, it's recommended that you install the latest software. Visit the Theater Grand III or Ultimate Receiver Products page or contact Sunfire Technical Support.

<i>Function</i>	<i>Command Data</i>	<i>Description</i>
POWER TOGGLE	'*111'	Main Zone Power Toggle
POWER ON	'*112'	Main Zone Power On
POWER OFF	'*113'	Main Zone Power Off
CD	'*114'	Main Zone Source CD
TAPE	'*115'	Main Zone Source TAPE
SAT	'*116'	Main Zone Source SAT
DVD	'*117'	Main Zone Source DVD
PHONO	'*118'	Main Zone Source PHONO
TUNER	'*119'	Main Zone Source TUNER
VID1	'*11A'	Main Zone Source VID1
VCR	'*11B'	Main Zone Source VCR
VID2	'*11C'	Main Zone Source VID2
8-CHANNEL	'*133'	Main Zone Source 8-CHANNEL
DSP MODE UP	'*11D'	Main Zone Next DSP Mode Up
DSP MODE DOWN	'*13W'	Main Zone Next DSP Mode Down
STEREO	'*11E'	Main Zone DSP Mode Stereo
PRO LOGIC	'*11F'	Main Zone DSP Mode Pro Logic
JAZZ-CLUB	'*11K'	Main Zone DSP Mode Jazz Club
PARTY	'*134'	Main Zone DSP Mode Party
NEO6	'*13H'	Main Zone DSP Mode Neo6
SOURCE DIRECT	'*13J'	Main Zone DSP Mode Source Direct
HOLO TOGGLE	'*11L'	Main Zone Holo Toggle
HOLO ON	'*11M'	Main Zone Holo On
HOLO OFF	'*11N'	Main Zone Holo Off
MUTE TOGGLE	'*11P'	Main Zone Mute Toggle
MUTE ON	'*11Q'	Main Zone Mute On
MUTE OFF	'*11R'	Main Zone Mute Off
VOLUME UP	'*11S'	Main Zone Volume Up (one increment)
VOLUME DOWN	'*11T'	Main Zone Volume Down (one increment)
VOL ABSOLUTE	'*11U' + 2 EXT.	Main Zone Set Volume Level Absolute '*11U00' MEANS ZERO VOLUME, 99=MAX VOL. Limited by Main Zone Max Volume Setting on Menu
0	'*11V'	Preset Key 0

1	‘*11W’	Preset Key 1
2	‘*11X’	Preset Key 2
3	‘*11Y’	Preset Key 3
4	‘*11Z’	Preset Key 4
5	‘*11a’	Preset Key 5
6	‘*11b’	Preset Key 6
7	‘*11c’	Preset Key 7
8	‘*11d’	Preset Key 8
9	‘*11e’	Preset Key 8
+10	‘*11f’	Preset Key +10
REAR GROUP UP	‘*11g’	Surround and Surround Back Trim Up (one increment)
REAR GROUP 0dB	‘*11h’	Surround and Surround Back Trim Zeroed
REAR GROUP DOWN	‘*11j’	Surround and Surround Back Trim Down (one increment)
CENTER UP	‘*11k’	Center Trim Up (one increment)
CENTER 0dB	‘*11m’	Center Trim Zeroed
CENTER DOWN	‘*11n’	Center Trim Down (one increment)
SUB UP	‘*11p’	Sub Trim Up (one increment)
SUB 0dB	‘*11q’	Sub Trim Zeroed
SUB DOWN	‘*11r’	Sub Trim Down (one increment)
BASS UP	‘*11s’	Bass Up (one increment)
BASS 0dB	‘*11t’	Bass Zeroed
BASS DOWN	‘*11u’	Bass Down (one increment)
TREBLE UP	‘*11v’	Treble Up (one increment)
TREBLE 0dB	‘*11w’	Treble Zeroed
TREBLE DOWN	‘*11x’	Treble Down (one increment)
AM	‘*11y’	Tuner – go to AM band
FM	‘*11z’	Tuner – go to FM band
TUNE STEP UP	‘*121’	Tuner – tune frequency up one step
TUNE STEP DWN.	‘*122’	Tuner – tune frequency down one step
TUNE SCAN UP	‘*123’	Tuner – start/stop scan down
TUNE SCAN DWN.	‘*124’	Tuner – start/stop scan down
PRESET UP	‘*125’	Tuner – go to next preset number up
PRESET DOWN	‘*126’	Tuner – go to next preset number down
FM DIRECT WITH MODE	‘*147’ + 6 EXT.	‘*127101701’ FOR 101.7 FM STEREO NR, ‘*127088500’ FOR 88.5 FM STEREO
FM DIRECT	‘*127’ + 5 EXT.	‘*12710170’ FOR 101.7 FM, ‘*12708850’ FOR 88.5
AM DIRECT	‘*128’ + 4 EXT.	‘*1281020’ FOR 1020 AM, ‘*1280610’ FOR 610
RECALL PRESET	‘*129’ + 2 EXT.	‘*12901’ FOR PRESET 1, ‘*12935’ FOR PRESET 35
PROGRAM PRESET	‘*12A’ + 2 EXT.	‘*12A01’ TO STORE IN PRESET 1 – STORES current tuner setting
PROGRAM PRESET	‘*135’ + 9	‘*135PPFFFFFMM’ PP = Preset (1-40) FFFFF = AM or

DIRECT	EXT.	FM frequency (5 digits) MM = Mode (00=MONO; 01=STEREO; 02=STEREO_NR)
SIDE AXIS ON	*12G'	Main Zone Side Axis On
SIDE AXIS OFF	*12H'	Main Zone Side Axis Off
FULL AUTO ON	*12J'	Main Zone Full Auto On
FULL AUTO OFF	*12K'	Main Zone Full Auto Off
RESET SYSTEM	*12L' + 3 EXT.	System Reset *12L321' TO RESET ("3-2-1-Reset!")
PURGE EEPROM	*12M' + 3 EXT.	*12M123' To purge contents of EEPROM and set back to factory defaults ("1-2-3-Purge!")
Analog source	*12N'	Broadcast only – Analog source detected and/or selected
Digital source	*12P'	Broadcast only – Digital source detected and/or selected
Dolby-D Detected	*12Q'	Broadcast only – Dolby Digital lock detected
DTS Detected	*12R'	Broadcast only – DTS lock detected
PCM only active	*12S'	Broadcast only – PCM only is active (not DTS/AC-3, etc.)
Set MON2	*12T'	Change VCR2/MON2 setting to MON2
Set VCR2	*12U'	Change VCR2/MON2 setting to VCR2
Set S-VIDEO	*14B'	Set Video Default to S-Video
Set Composite	*14C'	Set Video Default to Composite
Reserved	*132'	Reserved for FLASH downloads
DOLBY EX ON	*13K'	Main Zone Dolby EX On
DOLBY EX OFF	*13L'	Main Zone Dolby EX Off
DTS ES ON	*13K'	Main Zone DTS ES On
DTS ES OFF	*13L'	Main Zone DTS ES Off
POWER TOGGLE Z2	*13M'	Zone 2 Power Toggle
POWER ON Z2	*13N'	Zone 2 Power On
POWER OFF Z2	*13P'	Zone 2 Power Off
ZONE TOGGLE	*137''	Toggle Front Panel between Main Zone and Zone 2
Z2 Balance Left	*13X'	Zone 2 Balance Go Left One Increment
Z2 Balance Right	*13Y'	Zone 2 Balance Go Right One Increment
Z2 Balance Centered	*13Z'	Zone 2 Balance Centered
MUTE TOGGLE Z2	*13Q'	Zone 2 Mute Toggle
MUTE ON Z2	*13R'	Zone 2 Mute On
MUTE OFF Z2	*13S'	Zone 2 Mute Off

VOLUME UP Z2	*13T'	Zone 2 Volume Up (one increment)
VOLUME DOWN Z2	*13U'	Zone 2 Volume Down (one increment)
VOL ABSOLUTE Z2	*13V' + 2 EXT.	Zone Set Volume Level Absolute *11U00' MEANS ZERO VOLUME, 99=MAX VOL. Limited by Zone 2 Max Volume Setting on Menu
CD Z2	*138'	Zone 2 Source CD
TAPE Z2	*139'	Zone 2 Source TAPE
SAT Z2	*13A'	Zone 2 Source SAT
DVD Z2	*13B'	Zone 2 Source DVD
PHONO Z2	*13C'	Zone 2 Source PHONO
TUNER Z2	*13D'	Zone 2 Source TUNER
VID1 Z2	*13E'	Zone 2 Source VID1
VCR Z2	*13F'	Zone 2 Source VCR
VID2 Z2	*13G'	Zone 2 Source VID2
MAIN COPY Z2	*14A'	Zone 2 Source MAIN COPY
MENU	*141'	Menu
UP ARROW	*142'	Up Arrow
DOWN ARROW	*143'	Down Arrow
RIGHT ARROW	*144'	Right Arrow
LEFT ARROW	*145'	Left Arrow
ENTER	*146'	Enter/Select
EXIT	*147'	Exit
AMP ON	*14D'	Receiver Amp On
AMP OFF	*14E'	Receiver Amp Off
AMP AUX SURB	*14F'	Receiver Amp Aux Channels to Surround Back
AMP AUX SIDE	*14G'	Receiver Amp Aux Channels to Side Axis
AMP AUX ZONE2	*14H'	Receiver Amp Aux Channels to Zone 2
GET TUNER FREQ	*14J'	Get Tuner Frequency And Band *14JBBFFFFF' B - Band AM or FM F - Frequency in kHz
GET MAIN VOL LVL	*14K'	Get Main Volume Level *14KVV' VV - 00 = -96 dB 50 = -48 dB 99 = 0 dB
GET ZONE 2 VOL LVL	*14L'	Get Zone 2 Volume Level *14KVV' VV - 00 = -96 dB 50 = -48 dB 99 = 0 dB
MAIN STATUS CMDS	*14M'	Main Zone Status Commands *14MPXSXDXPXXMXVXXIXXOXX' P - Power State X=> 0=off, 1=on. S - Source X =>0=cd, 1=tape, 2=tuner, 3=phono 4=8chan, 5=vcr, 6=vid2, 7=vid1, 8=sat, 9=dvd. D - Active Decoder X=> 0=Source Direct, 1=Analog, 2=PCM Digital, 3=Dolby Digital, 4=DTS. P - Sound Processor Mode XX=> 00=Source Direct, 01=Mono, 02=Stereo, 03=Stereo 2,

		<p>04=Pro Logic II, 05=Party, 06=Jazz Club, 07=NEO:6 Music, 08=NEO:6 Cinema, 09=DOLBY D, 10=DOLBY EX, 11=DTS, 12=DTS ES Matrix, 13=DTS ES Discrete. M - Mute State X=> 0=Unmuted, 1=Muted. V - Volume Level XX=> 00=-96 dB ... 50=-48 dB 99=0 dB I - # of Source Channels XX=> 20=2.0, 21=2.1, 41=4.1, 51=5.1, etc O - # of Output Channels XX=> 20=2.0, 21=2.1, 41=4.1, 51=5.1, etc.</p>
ZONE 2 STATUS CMDS	*14N'	<p>Zone 2 Status Commands</p> <p>*14NPXSXDXPXXMXVXXIXXOXX'</p> <p>Same Format as Main Zone, except source #4 is Main Copy instead of 8-channel.</p>