

## Main-related Command Support List

Code	Means	VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
<b>"PWR" - System Power Command</b>						
"00"	sets System Standby	Yes	Yes	Yes	Yes	
"01"	sets System On	Yes	Yes	Yes	Yes	
"ALL"	All Zone(including Main Zone) Standby	Yes	Yes	Yes	Yes	
"QSTN"	gets the System Power Status	Yes	Yes	Yes	Yes	
<b>"AMT" - Audio Muting Command</b>						
"00"	sets Audio Muting Off	Yes	Yes	Yes	Yes	
"01"	sets Audio Muting On	Yes	Yes	Yes	Yes	
"TG"	sets Audio Muting Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets the Audio Muting State	Yes	Yes	Yes	Yes	
<b>"CMT" - Audio Muting by Channel Command</b>						
bccddeeffgghhijjjkk	sets Audio Muting by Channel xx=00 Muting Off xx=01 Muting On xx=TG Muting Wrap-Around for not exist channel is always 00.  aa:Front Left bb:Front Right cc:Center dd:Surround Left ee:Surround Right ff:Surround Back Left gg:Surround Back Right hh:Subwoofer 1 ii:Height 1 Left jj:Height 1 Right kk:Height 2 Left ll:Height 2 Right mm:Subwoofer 2	Yes	Yes	Yes	Yes	
"QSTN"	gets the Audio Muting State	Yes	Yes	Yes	Yes	
<b>"SPA"/"SPB" - Speaker A/B Command</b>						
"00"	sets Speaker Off	No	No	No	No	
"01"	sets Speaker On	No	No	No	No	
"UP"	sets Speaker Switch Wrap-Around	No	No	No	No	
"QSTN"	gets the Speaker State	No	No	No	No	
*1:SPA=MAIN A/SPB=MAIN B *2:SPA=Front A/SPB=Front B(Exclusive use)						
<b>"SPL" - Speaker Layout Command</b>						
"SB"	sets SurrBack Speaker	No	No	No	Yes	
"FH"	sets Front High Speaker / SurrBack+Front High Speakers	No	No	No	No	
"FW"	sets Front Wide Speaker / SurrBack+Front Wide Speakers	No	No	No	No	
"HW"	sets Front High+Front Wide Speakers	No	No	No	No	
"H1"	sets Height1 Speakers	No	No	No	Yes	
"H2"	sets Height2 Speakers	No	No	No	No	
"BH"	sets Back+Height1 Speakers	No	No	No	No	
"BW"	sets Back+Wide Speakers	No	No	No	No	
"HH"	sets Height1+Height2 Speakers	No	No	No	No	
"A"	sets Speakers A	No	No	No	Yes	
"B"	sets Speakers B	No	No	No	Yes	
"AB"	sets Speakers A+B	No	No	No	Yes	
"UP"	sets Speaker Switch Wrap-Around	No	No	No	Yes	
"QSTN"	gets the Speaker State	No	No	No	Yes	
<b>"MVL" - Master Volume Command</b>						
"00"- "C8"	Volume Level 0.0 – 100.0 ( 0.5 Step In hexadecimal representation)	Yes	Yes	Yes	Yes	
"00"- "64"	Volume Level 0 – 100 ( In hexadecimal representation)	No	No	No	No	
"00"- "50"	Volume Level 0 – 80 ( In hexadecimal representation)	No	No	No	No	
"00"- "32"	Volume Level 0 – 50 ( In hexadecimal representation)	No	No	No	No	
"UP"	sets Volume Level Up	Yes	Yes	Yes	Yes	
"DOWN"	sets Volume Level Down	Yes	Yes	Yes	Yes	
"UP1"	sets Volume Level Up 1dB Step	Yes	Yes	Yes	Yes	
"DOWN1"	sets Volume Level Down 1dB Step	Yes	Yes	Yes	Yes	
"QSTN"	gets the Volume Level	Yes	Yes	Yes	Yes	
<b>"TFR" - Tone(Front) Command</b>						
"Bxx"	Front Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"Bxx"	Front Bass (xx is "-A"... "00"... "+A"[-10...0...+10 1 step])	Yes	Yes	Yes	Yes	
"Txx"	Front Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"Txx"	Front Treble (xx is "-A"... "00"... "+A"[-10...0...+10 1 step])	Yes	Yes	Yes	Yes	
"BUP"	sets Front Bass up(2 step)	No	No	No	No	
"BUP"	sets Front Bass up(1 step)	Yes	Yes	Yes	Yes	
"BDOWN"	sets Front Bass down(2 step)	No	No	No	No	
"BDOWN"	sets Front Bass down(1 step)	Yes	Yes	Yes	Yes	
"TUP"	sets Front Treble up(2 step)	No	No	No	No	
"TUP"	sets Front Treble up(1 step)	Yes	Yes	Yes	Yes	
"TDOWN"	sets Front Treble down(2 step)	No	No	No	No	
"TDOWN"	sets Front Treble down(1 step)	Yes	Yes	Yes	Yes	
"QSTN"	gets Front Tone ("BxxTxx")	Yes	Yes	Yes	Yes	
<b>"TFW" - Tone(Front Wide) Command</b>						
"Bxx"	Front Wide Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"Txx"	Front Wide Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"BUP"	sets Front Wide Bass up(2 step)	No	No	No	No	
"BDOWN"	sets Front Wide Bass down(2 step)	No	No	No	No	
"TUP"	sets Front Wide Treble up(2 step)	No	No	No	No	
"TDOWN"	sets Front Wide Treble down(2 step)	No	No	No	No	
"QSTN"	gets Front Wide Tone ("BxxTxx")	No	No	No	No	
<b>"TFH" - Tone(Front High) Command</b>						
"Bxx"	Front High Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"Txx"	Front High Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"BUP"	sets Front High Bass up(2 step)	No	No	No	No	
"BDOWN"	sets Front High Bass down(2 step)	No	No	No	No	
"TUP"	sets Front High Treble up(2 step)	No	No	No	No	
"TDOWN"	sets Front High Treble down(2 step)	No	No	No	No	
"QSTN"	gets Front High Tone ("BxxTxx")	No	No	No	No	
<b>"TCT" - Tone(Center) Command</b>						
"Bxx"	Center Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"Txx"	Center Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No	
"BUP"	sets Center Bass up(2 step)	No	No	No	No	
"BDOWN"	sets Center Bass down(2 step)	No	No	No	No	

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Code	Means	VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302
"TUP"	sets Center Treble up(2 step)	No	No	No	No
"TDOWN"	sets Center Treble down(2 step)	No	No	No	No
"QSTN"	gets Cether Tone ("BxxTxx")	No	No	No	No
<b>"TSR" - Tone(Surround) Command</b>					
"Bxx"	Surround Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No
"Txx"	Surround Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No
"BUP"	sets Surround Bass up(2 step)	No	No	No	No
"BDOWN"	sets Surround Bass down(2 step)	No	No	No	No
"TUP"	sets Surround Treble up(2 step)	No	No	No	No
"TDOWN"	sets Surround Treble down(2 step)	No	No	No	No
"QSTN"	gets Surround Tone ("BxxTxx")	No	No	No	No
<b>"TSB" - Tone(Surround Back) Command</b>					
"Bxx"	Surround Back Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No
"Txx"	Surround Back Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No
"BUP"	sets Surround Back Bass up(2 step)	No	No	No	No
"BDOWN"	sets Surround Back Bass down(2 step)	No	No	No	No
"TUP"	sets Surround Back Treble up(2 step)	No	No	No	No
"TDOWN"	sets Surround Back Treble down(2 step)	No	No	No	No
"QSTN"	gets Surround Back Tone ("BxxTxx")	No	No	No	No
<b>"TSW" - Tone(Subwoofer) Command</b>					
"Bxx"	Subwoofer Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])	No	No	No	No
"BUP"	sets Subwoofer Bass up(2 step)	No	No	No	No
"BDOWN"	sets Subwoofer Bass down(2 step)	No	No	No	No
"QSTN"	gets Subwoofer Tone ("BxxTxx")	No	No	No	No
<b>"PMB" - Phase Matching Bass Command</b>					
"00"	sets Off	No	No	No	No
"01"	sets On	No	No	No	No
"TG"	sets Phase Matching Bass Wrap-Around Up	No	No	No	No
"QSTN"	gets Phase Matching Bass	No	No	No	No
<b>"SLP" - Sleep Set Command</b>					
"01"-5A"	sets Sleep Time 1 - 90min ( In hexadecimal representation)	Yes	Yes	Yes	Yes
"OFF"	sets Sleep Time Off	Yes	Yes	Yes	Yes
"UP"	sets Sleep Time Wrap-Around UP(Only when the value is OFF)	Yes	Yes	Yes	Yes
"QSTN"	gets The Sleep Time	Yes	Yes	Yes	Yes
<b>"SLC" - Speaker Level Calibration Command</b>					
"TEST"	TEST Key	Yes	Yes	Yes	Yes
"OFF"	sets TEST TONE OFF	Yes	Yes	Yes	Yes
"CHSEL"	CH SEL Key	Yes	Yes	Yes	Yes
"UP"	LEVEL + Key	Yes	Yes	Yes	Yes
"DOWN"	LEVEL - KEY	Yes	Yes	Yes	Yes
<b>"SWL" - Subwoofer (temporary) Level Command</b>					
"-1E"-000"-+18"	sets Subwoofer Level -15.0dB - 0.0dB - +12.0dB(0.5dB Step)	Yes	Yes	Yes	Yes
"-0F"-000"-+0C"	sets Subwoofer Level -15.0dB - 0.0dB - +12.0dB	No	No	No	No
"-F"-000"-+C"	sets Subwoofer Level -15dB - 0dB - +12dB	No	No	No	No
"UP"	LEVEL + Key	Yes	Yes	Yes	Yes
"DOWN"	LEVEL - KEY	Yes	Yes	Yes	Yes
"QSTN"	gets the Subwoofer Level	Yes	Yes	Yes	Yes
<b>"SW2" - Subwoofer 2 (temporary) Level Command</b>					
"-1E"-000"-+18"	sets Subwoofer 2 Level -15.0dB - 0.0dB - +12.0dB(0.5dB Step)	No	No	No	No
"-0F"-000"-+0C"	sets Subwoofer Level -15.0dB - 0.0dB - +12.0dB	No	No	No	No
"-F"-000"-+C"	sets Subwoofer 2 Level -15dB - 0dB - +12dB	No	No	No	No
"UP"	LEVEL + Key	No	No	No	No
"DOWN"	LEVEL - KEY	No	No	No	No
"QSTN"	gets the Subwoofer Level	No	No	No	No
<b>"CTL" - Center (temporary) Level Command</b>					
"-18"-000"-+18"	sets Center Level -12.0dB - 0.0dB - +12.0dB(0.5dB Step)	Yes	Yes	Yes	Yes
"-0C"-000"-+0C"	sets Subwoofer Level -12.0dB - 0.0dB - +12.0dB	No	No	No	No
"-C"-000"-+C"	sets Center Level -12dB - 0dB - +12dB	No	No	No	No
"UP"	LEVEL + Key	Yes	Yes	Yes	Yes
"DOWN"	LEVEL - KEY	Yes	Yes	Yes	Yes
"QSTN"	gets the Subwoofer Level	Yes	Yes	Yes	Yes
<b>"TCL" -Temporary Channel Level Command</b>					
ddddeefffggghhiiii	sets Temporary Channel Level Subwoofer 1/2 xxx=-1E(-15.0dB)-000(0.0dB)~+18(+12.0dB) Other Ch xxx=-18(-12.0dB)-000(0.0dB)~+18(+12.0dB) for not exist channel is always 000.				
	aaa:Front Left				
	bbb:Front Right				
	ccc:Center				
	ddd:Surround Left	Yes	Yes	Yes	Yes
	eee:Surround Right				
	fff:Surround Back Left				
	ggg:Surround Back Right				
	hhh:Subwoofer 1				
	iii:Height 1 Left				
	jjj:Height 1 Right				
	kkk:Height 2 Left				
	lll:Height2 Right				
	mmm:Subwoofer 2				
"QSTN"	gets the Subwoofer Level	Yes	Yes	Yes	Yes
<b>"DIF" - Display Information Command</b>					
"00"	Display Program Format	No	No	No	No
"01"	Display Digital Input Position	No	No	No	No
"02"	Display Digital Format Position	No	No	No	No
"03"	Display Bass Level	No	No	No	No
"04"	Display Treble Level	No	No	No	No
<b>"DIF" - Display Mode Command</b>					
"00"	sets Selector + Volume Display Mode@1line, Default@2line	Yes	Yes	Yes	Yes
"01"	sets Selector + Listening Mode Display Mode@1line	No	No	No	No
"02"	Display Digital Format(temporary display)	Yes	Yes	Yes	Yes
"03"	Display Video Format(temporary display)	Yes	Yes	Yes	Yes
"TG"	sets Display Mode Wrap-Around Up	Yes	Yes	Yes	Yes
"QSTN"	gets The Display Mode	Yes	Yes	Yes	Yes
*1: Parameter Character is "UP"					
<b>"DIM" - Dimmer Level Command</b>					
"00"	sets Dimmer Level "Bright"	Yes	Yes	Yes	Yes

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"01"	sets Dimmer Level "Dim"	Yes	Yes	Yes	Yes	
"02"	sets Dimmer Level "Dark"	Yes	Yes	Yes	Yes	
"03"	sets Dimmer Level "Shut-Off"	Yes	Yes	Yes	Yes	
"08"	sets Dimmer Level "Bright & LED OFF"	No	No	No	No	
"DIM"	sets Dimmer Level Wrap-Around Up	Yes	Yes	Yes	Yes	
"OSTN"	gets The Dimmer Level	Yes	Yes	Yes	Yes	
<b>"OSD" - Setup Operation Command</b>						
"MENU"	Menu Key      Setup Key	No	No	No	No	
"UP"	Up Key	Yes	Yes	Yes	Yes	
"DOWN"	Down Key	Yes	Yes	Yes	Yes	
"RIGHT"	Right Key	Yes	Yes	Yes	Yes	
"LEFT"	Left Key	Yes	Yes	Yes	Yes	
"ENTER"	Enter Key	Yes	Yes	Yes	Yes	
"EXIT"	Exit Key	Yes	Yes	Yes	Yes	
"AUDIO"	Audio Adjust Key	No	No	No	No	
"VIDEO"	Video Adjust Key	No	No	No	No	
"HOME"	Home Key	Yes	Yes	Yes	Yes	
"QUICK"	Quick Setup Key      Quick Menu Key/AV Adjust Key	Yes	Yes	Yes	Yes	
"IPV"	Instaprevue Key	No	No	No	No	
<b>"MEM" - Memory Setup Command</b>						
"STR"	stores memory	Yes	Yes	Yes	Yes	
"RCL"	recalls memory	Yes	Yes	Yes	Yes	
"LOCK"	locks memory	Yes	Yes	Yes	Yes	
"UNLK"	unlocks memory	Yes	Yes	Yes	Yes	
<b>"RST" - Reset Command</b>						
"ALL"	Reset All	Yes	Yes	Yes	Yes	
<b>"IFA" - Audio Information Command</b>						
"a..a.b..b.c...c.d.d ..e...f...f."	Information of Audio(Same Immediate Display ',' is separator of informations) a...a: Audio Input Port b...b: Input Signal Format c...c: Sampling Frequency d...d: Input Signal Channel e...e: Listening Mode f...f: Output Signal Channel	No	No	No	No	
"a..a.b..b.c...c.d.d ..e...f...f.g...g.h ...h.i...i.j...j.k..k"	Information of Audio(Same Immediate Display ',' is separator of informations) a...a: Audio Input Port b...b: Input Signal Format c...c: Sampling Frequency d...d: Input Signal Channel e...e: Listening Mode f...f: Output Signal Channel g...g: Output Sampling Frequency h...h: PQLS (Off/2ch/Multich/Bitstream) i...i: Auto Phase Control Current Delay (0ms - 16ms / ---) j...j: Auto Phase Control Phase (Normal/Reverse) k...k: Upmix Mode(No/PL2/PL2X/PL2Z/DolbySurround/Neo6/NeoX/Neural X/THXS2/ADYDSX)	Yes	Yes	Yes	Yes	
"OSTN"	gets Information of Audio	Yes	Yes	Yes	Yes	
when you send "DIF02", receiver will return this response.						
<b>"IFV" - Video Information Command</b>						
"a..a.b..b.c...c.d.d ..e...f...f.g...g.h ...h.i...i.j...j.k..k"	Information of Video(Same Immediate Display ',' is separator of informations) a...a: Video Input Port b...b: Input Resolution, Frame Rate c...c: RGB/YCbCr d...d: Color Depth e...e: Video Output Port f...f: Output Resolution, Frame Rate g...g: RGB/YCbCr h...h: Color Depth i...i: Picture Mode	Yes	Yes	Yes	Yes	
"OSTN"	gets Information of Video	Yes	Yes	Yes	Yes	
when you send "DIF03", receiver will return this response.						
<b>"FLD" - FL Display Information Command</b>						
"xxxxxxxxxxxx"	FL Display Information Character Code for FL Display (UTF-8 encoded)	Yes	Yes	Yes	Yes	
"OSTN"	gets FL Display Information	Yes	Yes	Yes	Yes	
<b>"SLI" - Input Selector Command</b>						
"00"	sets VIDEO1    VCR/DVR    STB/DVR	No	No	No	No	
"01"	sets VIDEO2    CBL/SAT	Yes	Yes	Yes	Yes	
"02"	sets VIDEO3    GAME/TV    GAME    GAME1	Yes	Yes	Yes	Yes	
"03"	sets VIDEO4    AUX1(AUX)	Yes	Yes	Yes	Yes	
"04"	sets VIDEO5    AUX2                    GAME2	No	No	No	No	
"05"	sets VIDEO6    PC	No	No	No	No	
"06"	sets VIDEO7	No	No	No	No	
"07"	Hidden1    EXTRA1	No	No	No	No	
"08"	Hidden2    EXTRA2	No	No	No	No	
"09"	Hidden3    EXTRA3	No	No	No	No	
"10"	sets DVD            BD/DVD	Yes	Yes	Yes	Yes	
"11"	sets STRM BOX	Yes	Yes	Yes	Yes	
"12"	sets TV	Yes	Yes	Yes	Yes	
"20"	sets TAPE(1)    TV/TAPE	No	No	No	No	
"21"	sets TAPE2	No	No	No	No	
"22"	sets PHONO	No	Yes	Yes	Yes	
"23"	sets CD    TV/CD	Yes	Yes	Yes	Yes	
"24"	sets FM	Yes	Yes	Yes	Yes	
"25"	sets AM	Yes	Yes	Yes	Yes	
"26"	sets TUNER	Yes	Yes	Yes	Yes	
"27"	sets MUSIC SERVER    P4S    DLNA*2	No	No	No	No	
"28"	sets INTERNET RADIO                    iRadio Favorite*3	No	No	No	No	
"29"	sets USB(USB(Front))	Yes	Yes	Yes	Yes	
"2A"	sets USB(Rear)	Yes	Yes	Yes	Yes	
"2B"	sets NETWORK                    NET	Yes	Yes	Yes	Yes	
"2C"	sets USB(toggle)	Yes	Yes	Yes	Yes	
"2D"	sets Aplay	No	No	No	No	
"2E"	sets Bluetooth	Yes	Yes	Yes	Yes	

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Code	Means	VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302
"2F"	sets USB DAC In	No	No	No	No
"41"	sets LINE	No	No	No	No
"42"	sets LINE2	No	No	No	No
"44"	sets OPTICAL	No	No	No	No
"45"	sets COAXIAL	No	No	No	No
"40"	sets Universal PORT	No	No	No	No
"30"	sets MULTI CH	No	No	No	No
"31"	sets XM*1	No	No	No	No
"32"	sets SIRIUS*1	No	No	No	No
"33"	sets DAB *5	No	No	No	No
"55"	sets HDMI 5	No	No	No	Yes
"56"	sets HDMI 6	No	No	No	Yes
"57"	sets HDMI 7	No	No	No	No
"UP"	sets Selector Position Wrap-Around Up	Yes	Yes	Yes	Yes
"DOWN"	sets Selector Position Wrap-Around Down	Yes	Yes	Yes	Yes
"QSTN"	gets The Selector Position	Yes	Yes	Yes	Yes
*1: Only available XM/SIRIUS Model *5: only Europe and Asia/Australia Model *6: Only AE Model(TX-NR515AE/616AE/818AE) *7: Except Europe and Asia/Australia Model *8: Europe Model Only					
<b>"SLR" - RECOUT Selector Command</b>					
"00"	sets VIDEO1	No	No	No	No
"01"	sets VIDEO2	No	No	No	No
"02"	sets VIDEO3	No	No	No	No
"03"	sets VIDEO4	No	No	No	No
"04"	sets VIDEO5	No	No	No	No
"05"	sets VIDEO6	No	No	No	No
"06"	sets VIDEO7	No	No	No	No
"10"	sets DVD	No	No	No	No
"20"	sets TAPE(1)	No	No	No	No
"21"	sets TAPE2	No	No	No	No
"22"	sets PHONO	No	No	No	No
"23"	sets CD	No	No	No	No
"24"	sets FM	No	No	No	No
"25"	sets AM	No	No	No	No
"26"	sets TUNER	No	No	No	No
"27"	sets MUSIC SERVER	No	No	No	No
"28"	sets INTERNET RADIO	No	No	No	No
"30"	sets MULTI CH	No	No	No	No
"31"	sets XM	No	No	No	No
"7F"	sets OFF	No	No	No	No
"80"	sets SOURCE	No	No	No	No
"QSTN"	gets The Selector Position	No	No	No	No
*1: REC/ZONE3					
<b>"SLA" - Audio Selector Command</b>					
"00"	sets AUTO	No	No	No	No
"01"	sets MULTI-CHANNEL	No	No	No	No
"02"	sets ANALOG	Yes	Yes	Yes	Yes
"03"	sets iLINK	No	No	No	No
"04"	sets HDMI	Yes	Yes	Yes	Yes
"05"	sets COAX/OPT	Yes	Yes	Yes	Yes
"06"	sets BALANCE	No	No	No	No
"07"	sets ARC	Yes	Yes	Yes	Yes
"0F"	sets None	No	No	No	No
"UP"	sets Audio Selector Wrap-Around Up	Yes	Yes	Yes	Yes
"QSTN"	gets The Audio Selector Status	Yes	Yes	Yes	Yes
<b>"TGA" - 12V Trigger A Command</b>					
"00"	sets 12V Trigger A Off	No	No	No	No
"01"	sets 12V Trigger A On	No	No	No	No
"00"	sets 12V Trigger A Off	No	No	Yes	Yes
"01"	sets 12V Trigger A On	No	No	Yes	Yes
"QSTN"	gets 12V Trigger A Status	No	No	Yes	Yes
<b>"TGB" - 12V Trigger B Command</b>					
"00"	sets 12V Trigger B Off	No	No	No	No
"01"	sets 12V Trigger B On	No	No	No	No
"00"	sets 12V Trigger B Off	No	No	No	Yes
"01"	sets 12V Trigger B On	No	No	No	Yes
"QSTN"	gets 12V Trigger B Status	No	No	No	Yes
<b>"TGC" - 12V Trigger C Command</b>					
"00"	sets 12V Trigger C Off	No	No	No	No
"01"	sets 12V Trigger C On	No	No	No	No
"00"	sets 12V Trigger C Off	No	No	No	No
"01"	sets 12V Trigger C On	No	No	No	No
"QSTN"	gets 12V Trigger C Status	No	No	No	No
TGA/TGB/TGC are available when each 12V Trigger parameter is all "OFF" at Setup Menu.					
<b>"VOS" - Video Output Selector (Japanese Model Only)</b>					
"00"	sets D4	No	No	No	No
"01"	sets Component	No	No	No	No
"QSTN"	gets The Selector Position	No	No	No	No
<b>"HDO" - HDMI Output Selector</b>					
"00"	sets No Analog	No	No	No	No
"01"	sets Yes/Out Main HDMI Main HDMI	No	No	No	Yes
"02"	sets Out Sub HDMI Sub HDBaseT	No	No	No	Yes
"03"	sets Both Main+Sub	No	No	No	Yes
"04"	sets Both(Main)	No	No	No	No
"05"	sets Both(Sub)	No	No	No	No
"UP"	sets HDMI Out Selector Wrap-Around Up	No	No	No	Yes
"QSTN"	gets The HDMI Out Selector	No	No	No	Yes
*1 except American Model					
<b>"HAO" - HDMI Audio Out (Main)</b>					
"00"	sets Off	Yes	Yes	Yes	Yes
"01"	sets On	Yes	Yes	Yes	Yes
"02"	sets Auto	Yes	Yes	Yes	Yes
"UP"	sets HDMI Audio Out Wrap-Around Up	Yes	Yes	Yes	Yes
"QSTN"	gets HDMI Audio Out	Yes	Yes	Yes	Yes
<b>"HAS" - HDMI Audio Out (Sub)</b>					

## Main-related Command Support List

Code	Means	VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
"00"	sets Off	No	No	No	No	
"01"	sets On	No	No	No	No	
"UP"	sets HDMI Audio Out Wrap-Around Up	No	No	No	No	
"QSTN"	gets HDMI Audio Out	No	No	No	No	
<b>"CEC" - HDMI CEC</b>						
"00"	sets Off	Yes	Yes	Yes	Yes	
"01"	sets On	Yes	Yes	Yes	Yes	
"UP"	sets HDMI CEC Wrap-Around Up	Yes	Yes	Yes	Yes	
"QSTN"	gets HDMI CEC	Yes	Yes	Yes	Yes	
<b>"CCM" - HDMI CEC Control Monitor</b>						
"01"	sets Main	No	No	No	No	
"02"	sets Zone2	No	No	No	No	
"10"	sets Sub	No	No	No	No	
"UP"	sets Control Monitor Wrap-Around Up	No	No	No	No	
"QSTN"	gets Control Monitor	No	No	No	No	
<b>"RES" - Monitor Out Resolution</b>						
"00"	sets Through	Yes	Yes	Yes	Yes	
"01"	sets Auto(HDMI Output Only)	Yes	Yes	Yes	Yes	
"02"	sets 480p	No	No	No	No	
"03"	sets 720p	No	No	No	No	
"13"	sets 1680x720p	No	No	No	No	
"04"	sets 1080i	No	No	No	No	
"05"	sets 1080p(HDMI Output Only)	No	No	No	No	
"07"	sets 1080p/24fs(HDMI Output Only)	No	No	No	No	
"15"	sets 2560x1080p	No	No	No	No	
"08"	sets 4K Upcaling(HDMI Output Only) 4K(HDMI Output Only)	No	No	No	No	
"06"	sets Source	No	No	No	No	
"UP"	sets Monitor Out Resolution Wrap-Around Up	Yes	Yes	Yes	Yes	
"QSTN"	gets The Monitor Out Resolution	Yes	Yes	Yes	Yes	
<b>"SPR" - Super Resolution</b>						
"00"~"03"	sets Super Resolution	Yes	Yes	Yes	Yes	
"UP"	sets Super Resolution Wrap-Around Up	Yes	Yes	Yes	Yes	
"DOWN"	sets Super Resolution Wrap-Around DOWN	Yes	Yes	Yes	Yes	
"QSTN"	gets The Super Resolution State	Yes	Yes	Yes	Yes	
<b>"HOI" - HDMI Out Information</b>						
ab	sets HDMI Information a:HDMI Out MAIN 1:for Main Zone b:HDMI Out SUB 0:None(No terminal), 1:for Main Zone(Zone2HDMI=Not Use or Zone2HDMI is not supported), 2:for Zone 2(Zone2HDMI=Use)	Yes	Yes	Yes	Yes	
"QSTN"	gets The HDMI Out Information State	Yes	Yes	Yes	Yes	
<b>"ISF" - ISF Mode</b>						
"00"	sets ISF Mode Custom	No	No	No	No	
"01"	sets ISF Mode Day	No	No	No	No	
"02"	sets ISF Mode Night	No	No	No	No	
"UP"	sets ISF Mode State Wrap-Around Up	No	No	No	No	
"QSTN"	gets The ISF Mode State	No	No	No	No	
<b>"VWM" - Video Wide Mode</b>						
"00"	sets Auto	No	No	No	No	
"01"	sets 4:3	No	No	No	No	
"02"	sets Full	No	No	No	No	
"03"	sets Zoom	No	No	No	No	
"04"	sets Wide Zoom	No	No	No	No	
"05"	sets Smart Zoom	No	No	No	No	
"UP"	sets Video Zoom Mode Wrap-Around Up	No	No	No	No	
"QSTN"	gets Video Zoom Mode	No	No	No	No	
<b>"VPM" - Video Picture Mode</b>						
"00"	sets Through Standard	No	No	No	No	
"01"	sets Custom	No	No	No	No	
"02"	sets Cinema	No	No	No	No	
"03"	sets Game	No	No	No	No	
"05"	sets ISF Day	No	No	No	No	
"06"	sets ISF Night	No	No	No	No	
"07"	sets Streaming	No	No	No	No	
"08"	sets Direct Bypass	No	No	No	No	
"UP"	sets Video Zoom Mode Wrap-Around Up	No	No	No	No	
"QSTN"	gets Video Zoom Mode	No	No	No	No	
<b>"LMD" - Listening Mode Command</b>						
"00"	sets STEREO	Yes	Yes	Yes	Yes	
"01"	sets DIRECT	Yes	Yes	Yes	Yes	
"02"	sets SURROUND	No	No	No	No	
"03"	sets FILM Game-RPG	Yes	Yes	Yes	Yes	
"04"	sets THX	No	No	No	No	
"05"	sets ACTION Game-Action	Yes	Yes	Yes	Yes	
"06"	sets MUSICAL Game-Rock	Yes	Yes	Yes	Yes	
"07"	sets MONO MOVIE	No	No	No	No	
"08"	sets ORCHESTRA	Yes	Yes	Yes	Yes	
"09"	sets UNPLUGGED	Yes	Yes	Yes	Yes	
"0A"	sets STUDIO-MIX	Yes	Yes	Yes	Yes	
"0B"	sets TV LOGIC	Yes	Yes	Yes	Yes	
"0C"	sets ALL CH STEREO	Yes	Yes	Yes	Yes	
"0D"	sets THEATER-DIMENSIONAL	Yes	Yes	Yes	Yes	
"0E"	sets ENHANCED 7/ENHANCE Game-Sports	Yes	Yes	Yes	Yes	
"0F"	sets MONO	Yes	Yes	Yes	Yes	
"11"	sets PURE AUDIO	Yes	Yes	Yes	Yes	
"12"	sets MULTIPLEX	No	No	No	No	
"13"	sets FULL MONO	Yes	Yes	Yes	Yes	
"14"	sets DOLBY VIRTUAL / Surround Enhancer	No	No	No	No	
"15"	sets DTS Surround Sensation	No	No	No	No	
"16"	sets Audyssey DSX	No	No	No	No	
"1F"	sets Whole House Mode	No	No	No	No	
"23"	sets Stage (when Genre Control is Enable in Japan Model)	No	No	No	No	
"25"	sets Action (when Genre Control is Enable in Japan Model)	No	No	No	No	
"26"	sets Music (when Genre Control is Enable in Japan Model)	No	No	No	No	
"2E"	sets Sports (when Genre Control is Enable in Japan Model)	No	No	No	No	
"40"	sets 5.1ch Surround	No	No	No	No	
"40"	sets Straight Decode*1	Yes	Yes	Yes	Yes	

## Main-related Command Support List

Code	Means	VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
"41"	sets Dolby EX/DTS ES	No	No	No	No	
"41"	sets Dolby EX*2	No	No	No	No	
"42"	sets THX Cinema	No	No	No	No	
"43"	sets THX Surround EX	No	No	No	No	
"44"	sets THX Music	No	No	No	No	
"45"	sets THX Games	No	No	No	No	
"50"	sets THX U/2/S/2//S Cinema/Cinema2	No	No	No	No	
"51"	sets THX MusicMode,THX U/2/S/2//S Music	No	No	No	No	
"52"	sets THX Games Mode,THX U/2/S/2//S Games	No	No	No	No	
"80"	sets PLII/PLIIX Movie Dolby Atmos/Dolby Surround	Yes	Yes	Yes	Yes	
"81"	sets PLII/PLIIX Music	Yes	No	No	No	
"82"	sets Neo:6 Cinema/Neo:X Cinema DTS:X/Neural:X	Yes	Yes	Yes	Yes	
"83"	sets Neo:6 Music/Neo:X Music	No	No	No	No	
"84"	sets PLII/PLIIX THX Cinema Dolby Surround THX Cinema	No	No	No	No	
"85"	sets Neo:6/Neo:X THX Cinema DTS Neural:X THX Cinema	No	No	No	No	
"86"	sets PLII/PLIIX Game	Yes	No	No	No	
"87"	sets Neural Surr*3	No	No	No	No	
"88"	sets Neural THX/Neural Surround	No	No	No	No	
"89"	sets PLII/PLIIX THX Games Dolby Surround THX Games	No	No	No	No	
"8A"	sets Neo:6/Neo:X THX Games DTS Neural:X THX Games	No	No	No	No	
"8B"	sets PLII/PLIIX THX Music Dolby Surround THX Music	No	No	No	No	
"8C"	sets Neo:6/Neo:X THX Music DTS Neural:X THX Music	No	No	No	No	
"8D"	sets Neural THX Cinema	No	No	No	No	
"8E"	sets Neural THX Music	No	No	No	No	
"8F"	sets Neural THX Games	No	No	No	No	
"90"	sets PLIIZ Height	No	No	No	No	
"91"	sets Neo:6 Cinema DTS Surround Sensation	No	No	No	No	
"92"	sets Neo:6 Music DTS Surround Sensation	No	No	No	No	
"93"	sets Neural Digital Music	No	No	No	No	
"94"	sets PLIIZ Height + THX Cinema	No	No	No	No	
"95"	sets PLIIZ Height + THX Music	No	No	No	No	
"96"	sets PLIIZ Height + THX Games	No	No	No	No	
"97"	sets PLIIZ Height + THX U2/S2 Cinema	No	No	No	No	
"98"	sets PLIIZ Height + THX U2/S2 Music	No	No	No	No	
"99"	sets PLIIZ Height + THX U2/S2 Games	No	No	No	No	
"9A"	sets Neo:X Game	No	No	No	No	
"A0"	sets PLIIX/PLII Movie + Audyssey DSX	No	No	No	No	
"A1"	sets PLIIX/PLII Music + Audyssey DSX	No	No	No	No	
"A2"	sets PLIIX/PLII Game + Audyssey DSX	No	No	No	No	
"A3"	sets Neo:6 Cinema + Audyssey DSX	No	No	No	No	
"A4"	sets Neo:6 Music + Audyssey DSX	No	No	No	No	
"A5"	sets Neural Surround + Audyssey DSX	No	No	No	No	
"A6"	sets Neural Digital Music + Audyssey DSX	No	No	No	No	
"A7"	sets Dolby EX + Audyssey DSX	No	No	No	No	
"FF"	sets Auto Surround	Yes	Yes	Yes	Yes	
"UP"	sets Listening Mode Wrap-Around Up	Yes	Yes	Yes	Yes	
"DOWN"	sets Listening Mode Wrap-Around Down	Yes	Yes	Yes	Yes	
"MOVIE"	sets Listening Mode Wrap-Around Up	No	No	No	No	
"MUSIC"	sets Listening Mode Wrap-Around Up	No	No	No	No	
"GAME"	sets Listening Mode Wrap-Around Up	No	No	No	No	
"THX"	sets Listening Mode Wrap-Around Up	No	No	No	No	
"AUTO"	sets Listening Mode Wrap-Around Up	Yes	Yes	Yes	Yes	
"SURR"	sets Listening Mode Wrap-Around Up	Yes	Yes	Yes	Yes	
"STEREO"	sets Listening Mode Wrap-Around Up	Yes	Yes	Yes	Yes	
"QSTN"	gets The Listening Mode	Yes	Yes	Yes	Yes	
*1 Newer than TX-SR805:Dolby Digital/DTS/AAC/DTS-ES/DTS 96/24/Dolby Digital						
*2 Newer than TX-SR805:if you want to change Listening Mode to DTS-ES,please						
*3 Only Available North American Model						
<b>"DIR" - Direct Command</b>						
"00"	sets Off	No	No	No	No	
"01"	sets On	No	No	No	No	
"TG"	sets Direct Wrap-Around Up	No	No	No	No	
"QSTN"	gets Direct Status	No	No	No	No	
<b>"LTN" - Late Night Command</b>						
"00"	sets Late Night Off	Yes	Yes	Yes	Yes	
"01"	sets Late Night Low@DolbyDigital,On@Dolby TrueHD	Yes	Yes	Yes	Yes	
"02"	sets Late Night High@DolbyDigital,(On@Dolby TrueHD)	No	No	No	No	
"03"	sets Late Night Auto@Dolby TrueHD	Yes	Yes	Yes	Yes	
"UP"	sets Late Night State Wrap-Around Up	Yes	Yes	Yes	Yes	
"QSTN"	gets The Late Night Level	Yes	Yes	Yes	Yes	
<b>"RAS" - Re-EQ/Academy Filter Command</b>						
"00"	sets Both Off	No	No	No	No	
"01"	sets Re-EQ On	No	No	No	No	
"02"	sets Academy On	No	No	No	No	
"UP"	sets Re-EQ/Academy State Wrap-Around Up	No	No	No	No	
"QSTN"	gets The Re-EQ/Academy State	No	No	No	No	
<b>"RAS" - Re-EQ Command</b>						
"00"	sets Re-EQ Off	No	No	No	No	
"01"	sets Re-EQ On	No	No	No	No	
"UP"	sets Re-EQ State Wrap-Around Up	No	No	No	No	
"QSTN"	gets The Re-EQ State	No	No	No	No	
<b>"RAS" - Cinema Filter Command</b>						
"00"	sets Cinema Filter Off	Yes	Yes	Yes	Yes	
"01"	sets Cinema Filter On	Yes	Yes	Yes	Yes	
"UP"	sets Cinema Filter State Wrap-Around Up	Yes	Yes	Yes	Yes	
"QSTN"	gets The Cinema Filter State	Yes	Yes	Yes	Yes	
<b>"ADY" - Audyssey 2EQ/MultEQ/MultEQ XT</b>						
"00"	sets Audyssey 2EQ/MultEQ/MultEQ XT Off	No	No	No	No	
"01"	sets Audyssey 2EQ/MultEQ/MultEQ XT On/Movie	No	No	No	No	
"02"	sets Audyssey 2EQ/MultEQ/MultEQ XT Music	No	No	No	No	
"UP"	sets Audyssey 2EQ/MultEQ/MultEQ XT State Wrap-Around Up	No	No	No	No	
"QSTN"	gets The Audyssey 2EQ/MultEQ/MultEQ XT State	No	No	No	No	
<b>"ADQ" - Audyssey Dynamic EQ</b>						
"00"	sets Audyssey Dynamic EQ Off	No	No	No	No	
"01"	sets Audyssey Dynamic EQ On	No	No	No	No	
"UP"	sets Audyssey Dynamic EQ State Wrap-Around Up	No	No	No	No	

## Main-related Command Support List

		VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
Code	Means					
"QSTN"	gets The Audyssey Dynamic EQ State	No	No	No	No	
<b>"ADV" - Audyssey Dynamic Volume</b>						
"00"	sets Audyssey Dynamic Volume Off	No	No	No	No	
"01"	sets Audyssey Dynamic Volume Light	No	No	No	No	
"02"	sets Audyssey Dynamic Volume Medium	No	No	No	No	
"03"	sets Audyssey Dynamic Volume Heavy	No	No	No	No	
"UP"	sets Audyssey Dynamic Volume State Wrap-Around Up	No	No	No	No	
"QSTN"	gets The Audyssey Dynamic Volume State	No	No	No	No	
<b>"DVL" - Dolby Volume</b>						
"00"	sets Dolby Volume Off	No	No	No	No	
"01"	sets Dolby Volume Low/On	No	No	No	No	
"02"	sets Dolby Volume Mid	No	No	No	No	
"03"	sets Dolby Volume High	No	No	No	No	
"UP"	sets Dolby Volume State Wrap-Around Up	No	No	No	No	
"QSTN"	gets The Dolby Volume State	No	No	No	No	
<b>"AEQ" - AccuEQ</b>						
"00"	sets AccuEQ Off	Yes	Yes	Yes	Yes	
"01"	sets AccuEQ On On(All Ch)	Yes	Yes	Yes	Yes	
"02"	sets AccuEQ On(ex. Front L/R)	No	No	No	No	
"UP"	sets AccuEQ State Wrap-Around Up	Yes	Yes	Yes	Yes	
"QSTN"	gets The AccuEQ State	Yes	Yes	Yes	Yes	
<b>"MCM" - MCACC EQ</b>						
"01"	sets MCACC MEMORY 1	No	No	No	No	
"02"	sets MCACC MEMORY 2	No	No	No	No	
"03"	sets MCACC MEMORY 3	No	No	No	No	
"04"	sets MCACC MEMORY 4	No	No	No	No	
"05"	sets MCACC MEMORY 5	No	No	No	No	
"06"	sets MCACC MEMORY 6	No	No	No	No	
"UP"	sets MCACC MEMORY Wrap-Around Up	No	No	No	No	
"DOWN"	sets MCACC MEMORY Wrap-Around Down	No	No	No	No	
"QSTN"	gets The MCACC MEMORY	No	No	No	No	
<b>"EQS" - Equalizer Select(Off:Equalizer, P:Manual EQ Select)</b>						
"00"	sets Equalizer Off	Yes	Yes	Yes	Yes	
"01"	sets Equalizer Preset 1	Yes	Yes	Yes	Yes	
"02"	sets Equalizer Preset 2	Yes	Yes	Yes	Yes	
"03"	sets Equalizer Preset 3	Yes	Yes	Yes	Yes	
"UP"	sets Equalizer Preset Wrap-Around Up	Yes	Yes	Yes	Yes	
"DOWN"	sets Equalizer Preset Wrap-Around Down	Yes	Yes	Yes	Yes	
"QSTN"	gets The Equalizer Preset	Yes	Yes	Yes	Yes	
<b>"STW" - EQ for Standing Wave / Standing Wave</b>						
"00"	sets Standing Wave Off	No	No	No	No	
"01"	sets Standing Wave On	No	No	No	No	
"UP"	sets Standing Wave Wrap-Around Up	No	No	No	No	
"QSTN"	gets The Standing Wave	No	No	No	No	
<b>"PCT" - Phase Control</b>						
"00"	sets Phase Control Off	Yes	Yes	Yes	Yes	
"01"	sets Phase Control On	Yes	Yes	Yes	Yes	
"02"	sets Full Band Phase Control On	No	No	No	No	
"UP"	sets Phase Control Wrap-Around Up	Yes	Yes	Yes	Yes	
"QSTN"	gets The Phase Control	Yes	Yes	Yes	Yes	
<b>"PCP" - Phase Control Plus</b>						
"00"."10"	sets Phase Control Plus 0msec - 16msec	No	No	No	No	
"AT"	sets Auto Phase Control Plus	No	No	No	No	
"UP"	sets Phase Control Plus Up	No	No	No	No	
"DOWN"	sets Phase Control Plus Down	No	No	No	No	
"QSTN"	gets The Phase Control Plus	No	No	No	No	
<b>"LFE" - LFE Level / LFE Mute Level</b>						
xx	sets LFE Mute Level					
	00:0dB					
	01:-1dB					
	02:-2dB					
	03:-3dB					
	04:-4dB					
	05:-5dB					
	0A:-10dB					
	0F:-15dB					
	14:-20dB					
	FF:-oodB					
"UP"	sets LFE Mute Level Up	No	No	No	No	
"DOWN"	sets LFE Mute Level Down	No	No	No	No	
"QSTN"	gets The LFE Mute Level	No	No	No	No	
<b>"ACE" - All Channel EQ for Temporary Value</b>						
bbccodddeeffggg	sets All Channel EQ for Temporary Value					
	xxx=-18(-12.0dB)-000(0.0dB)-+18(+12.0dB)					
	aaa:63Hz					
	bbb:125Hz					
	ccc:250Hz	Yes	Yes	Yes	Yes	
	ddd:500Hz					
	eee:1kHz					
	fff:2kHz					
	ggg:4kHz					
	hhh:8kHz					
	iii:16kHz					
"QSTN"	gets The Phase Control	Yes	Yes	Yes	Yes	
<b>"MCC" - MCACC Calibration</b>						
"00"	not complete MCACC calibration	Yes	Yes	Yes	Yes	
"01"	complete MCACC calibration	Yes	Yes	Yes	Yes	
"QSTN"	gets The MCACC calibration	Yes	Yes	Yes	Yes	
<b>"MFB" - Fullband MCACC Calibration</b>						
"00"	not complete Fullband MCACC calibration or not have Fullband MCACC function	No	No	No	No	
"01"	complete Fullband MCACC calibration	No	No	No	No	
"QSTN"	gets The Fullband MCACC calibration	No	No	No	No	
<b>"MOT" - Music Optimizer / Sound Retriever</b>						
"00"	sets Music Optimizer Off	Yes	Yes	Yes	Yes	
"01"	sets Music Optimizer On	Yes	Yes	Yes	Yes	
"UP"	sets Music Optimizer State Wrap-Around Up	Yes	Yes	Yes	Yes	

**Main-related Command Support List**

		VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
Code	Means					
"QSTN"	gets The Music Optimizer State	Yes	Yes	Yes	Yes	
<b>"AVS" - A/V Sync</b>						
"snnn"	sets A/V Sync s: sign ( "+" or "-" or "0") If set minus value, s="-". (only HDMI Lipsync is available) If set plus value, s="+" If set zero value, s="0" nnn : value; If set 100msec, nnn="100"	Yes	Yes	Yes	Yes	
"UP"	sets A/V Sync is increased (step is depend on model)	Yes	Yes	Yes	Yes	
"DOWN"	sets A/V Sync is decreased (step is depend on model)	Yes	Yes	Yes	Yes	
"QSTN"	gets A/V Sync Value	Yes	Yes	Yes	Yes	
<b>"ASC" - Audio Scalar</b>						
"00"	sets Audio Scalar Auto	No	No	No	No	
"01"	sets Audio Scalar Manual	No	No	No	No	
"UP"	sets Audio Scalar Wrap-Around	No	No	No	No	
"QSTN"	gets The Audio Scalar State	No	No	No	No	
<b>"UPS" - Upsampling</b>						
"00"	sets Upsampling x1	No	No	No	No	
"01"	sets Upsampling x2	No	No	No	No	
"02"	sets Upsampling x4	No	No	No	No	
"03"	sets Upsampling x8	No	No	No	No	
"UP"	sets Upsampling Wrap-Around	No	No	No	No	
"QSTN"	gets The Upscaling State	No	No	No	No	
<b>"HBT" - Hi-Bit</b>						
"00"	sets Hi-Bit Off	No	No	No	No	
"01"	sets Hi-Bit On	No	No	No	No	
"UP"	sets Hi-Bit Wrap-Around Up	No	No	No	No	
"QSTN"	gets The Hi-Bit State	No	No	No	No	
<b>"DGF" - Digital Filter</b>						
"00"	sets Digital Filter Slow	No	No	No	No	
"01"	sets Digital Filter Sharp	No	No	No	No	
"02"	sets Digital Filter Short	No	No	No	No	
"UP"	sets Digital Filter Wrap-Around	No	No	No	No	
"QSTN"	gets The Digital Filter State	No	No	No	No	
<b>"LRA" - Lock Range Adjust</b>						
"01"-"07"	sets Lock Range Adjust	No	No	No	No	
"UP"	sets Lock Range Adjust Up	No	No	No	No	
"Down"	sets Lock Range Adjust Down	No	No	No	No	
"QSTN"	gets The Lock Range Adjust State	No	No	No	No	
<b>"PBS" - P.BASS</b>						
"00"	sets P.BASS Off	No	No	No	No	
"01"	sets P.BASS On	No	No	No	No	
"UP"	sets P.BASS Wrap-Around Up	No	No	No	No	
"QSTN"	gets The P.BASS State	No	No	No	No	
<b>"SBS" - S.BASS</b>						
"00"	sets S.BASS Off	No	No	No	No	
"01"	sets S.BASS On	No	No	No	No	
"UP"	sets S.BASS Wrap-Around Up	No	No	No	No	
"QSTN"	gets The S.BASS State	No	No	No	No	
<b>"SCD" - Screen Centered Dialog / Dialog Enhancement</b>						
"00"	sets Dialog Enhancement Off	No	No	No	No	
"01"	sets Dialog Enhancement On	No	No	No	No	
"02"-"05"	sets Dialog Enhancement UP1-UP4	No	No	No	No	
"UP"	sets Dialog Enhancement Wrap-Around	No	No	No	No	
"QSTN"	gets The Dialog Enhancement State	No	No	No	No	
<b>"CTS" - Center Spread for Dolby Surround</b>						
"00"	sets Center Spread Off	No	Yes	Yes	Yes	
"01"	sets Center Spread On	No	Yes	Yes	Yes	
"TG"	sets Center Spread Wrap-Around	No	Yes	Yes	Yes	
"QSTN"	gets The Center Spread State	No	Yes	Yes	Yes	
<b>"PNR" - Panorama for PLII Music</b>						
"00"	sets Panorama Off	Yes	No	No	No	
"01"	sets Panorama On	Yes	No	No	No	
"TG"	sets Panorama Wrap-Around	Yes	No	No	No	
"QSTN"	gets The Panorama State	Yes	No	No	No	
<b>"DMS" - Dimension for PLII Music</b>						
"-3"-"00"-" +3"	sets Dimension	Yes	No	No	No	
"UP"	sets Dimension Up	Yes	No	No	No	
"DOWN"	sets Dimension Down	Yes	No	No	No	
"QSTN"	gets The Dimension State	Yes	No	No	No	
<b>"CTW" - Center Width for PLII Music</b>						
"00"-"07"	sets Center Width	Yes	No	No	No	
"UP"	sets Center Width Up	Yes	No	No	No	
"DOWN"	sets Center Width Down	Yes	No	No	No	
"QSTN"	gets The Center Width State	Yes	No	No	No	
<b>"CTI" - Center Image for Neo:6 Music</b>						
"00"-"0A"	sets Center Image	No	No	No	No	
"UP"	sets Center Image Up	No	No	No	No	
"DOWN"	sets Center Image Down	No	No	No	No	
"QSTN"	gets The Center Image State	No	No	No	No	
<b>"DLC" - Dialog Control</b>						
"00"-" +6"	sets Dialog Control	Yes	Yes	Yes	Yes	
"UP"	sets Dialog Control Up	Yes	Yes	Yes	Yes	
"DOWN"	sets Dialog Control Down	Yes	Yes	Yes	Yes	
"QSTN"	gets The Dialog Control State	Yes	Yes	Yes	Yes	
<b>"DCE" - Dialog Control Enabled</b>						
"00"	Dialog Control is disabled	Yes	Yes	Yes	Yes	
"01"	Dialog Control is enabled	Yes	Yes	Yes	Yes	
"QSTN"	gets The Dialog Control Enabled State	Yes	Yes	Yes	Yes	
<b>"SPI" - Speaker Information</b>						



## Main-related Command Support List

Code	Means	VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
abdefghhijk	sets Speaker Information  a:Subwoofer 0:No,1:Yes/1ch,2:2ch b:Front 1:Small,2:Large c:Center 0:None,1:Small,2:Large d:Surround 0:None,1:Small,2:Large e:Surround Back 0:None,1:Small,2:Large f:Height 1 0:None,1:Small,2:Large g:Height 2 0:None,1:Small,2:Large hhh:Crossover 50,80,100,150,200 i:Height 1 Position 0:No,1:FH,2:TF,3:TM,4:TR,5:RH,6:DD SP(F),7:DD SP(S),8:DD SP(B) j:Height 2 Position 0:No,1:FH,2:TF,3:TM,4:TR,5:RH,6:DD SP(F),7:DD SP(S),8:DD SP(B) k:Bi-Amp 0:No,1:F,3:F+C,5:F+S,6:C+S,7:F+C+S	Yes	Yes	Yes	Yes	
"QSTN"	gets The Speaker Information	Yes	Yes	Yes	Yes	
<b>"SPD" - Speaker Distance Command</b>						
ccddeeffggghhii	sets Speaker Distance xxx=001-384 (0.01m - 9.00m unit is meters) xxx=001-12C (0.1ft - 30.0ft unit is feet) xxx=001-2D0 (0'0-1/2" - 30'0" unit is feet/inch) for not exist channel is always 000.  M:MCACC Memory 1-3 u:Unit 0:feet,1:meters,2:feet/inch aaa:Front Left bbb:Front Right ccc:Center ddd:Surround Left eee:Surround Right fff:Surround Back Left ggg:Surround Back Right hhh:Subwoofer 1 iii:Height 1 Left jjj:Height 1 Right kkk:Height 2 Left lll:Height2 Right mmm:Subwoofer 2	Yes	Yes	Yes	Yes	
"QSTN"	gets the Speaker Distance	Yes	Yes	Yes	Yes	
<b>"DMN" - Input Channel (Multiplex) / Dual Mono</b>						
"00"	sets DUAL MONO MAIN	Yes	Yes	Yes	Yes	
"01"	sets DUAL MONO SUB	Yes	Yes	Yes	Yes	
"02"	sets DUAL MONO MAIN+SUB	Yes	Yes	Yes	Yes	
"UP"	sets Panorama Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets The Panorama State	Yes	Yes	Yes	Yes	
<b>"LDM" - Loudness Management</b>						
"00"	sets Loudness Management Off	Yes	Yes	Yes	Yes	
"01"	sets Loudness management On	Yes	Yes	Yes	Yes	
"UP"	sets Panorama Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets The Panorama State	Yes	Yes	Yes	Yes	
<b>"ITV" - IntelliVolume / Input Volume Absorber</b>						
"-18"- "00"- "+18"	sets IntelliVolume -12.0dB~0dB~+12.0dB(0.5dB Step)	Yes	Yes	Yes	Yes	
"UP"	sets IntelliVolume Up	Yes	Yes	Yes	Yes	
"DOWN"	sets IntelliVolume Down	Yes	Yes	Yes	Yes	
"QSTN"	gets The IntelliVolume State	Yes	Yes	Yes	Yes	
<b>"IRN" - Input Selector Rename / Input Function Rename</b>						
ixxxxxxxxxx	sets Input Selector Name (10 characters) ii: Selector Number (the same as for SLI command) xxxxxxxxxx: Name(Max 10 characters)	Yes	Yes	Yes	Yes	
<b>"FXP" - PCM Fixed Mode / Fixed PCM Mode</b>						
"00"	sets PCM Fixed Mode Off	Yes	Yes	Yes	Yes	
"01"	sets PCM Fixed Mode On	Yes	Yes	Yes	Yes	
"UP"	sets PCM Fixed Mode Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets The PCM Fixed Mode State	Yes	Yes	Yes	Yes	
<b>"HST" - HDMI Standby Through</b>						
xx	sets HDMI Standby Through xx=SLI Number	Yes	Yes	Yes	Yes	
"OFF"	sets HDMI Standby Through Off	Yes	Yes	Yes	Yes	
"LAST"	sets HDMI Standby Through Last	Yes	Yes	Yes	Yes	
"AT"	sets HDMI Standby Through Auto	Yes	Yes	Yes	Yes	
"ATE"	sets HDMI Standby Through Auto(Eco)	Yes	Yes	Yes	Yes	
"UP"	sets HDMI Standby Through Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets The HDMI Standby Through State	Yes	Yes	Yes	Yes	
<b>"PQL" - PQLS</b>						
"00"	sets PQLS Off	No	No	No	No	
"01"	sets PQLS On	No	No	No	No	
"UP"	sets PQLS Wrap-Around	No	No	No	No	
"QSTN"	gets The PQLS State	No	No	No	No	
<b>"ARC" - Audio Return Channel</b>						
"00"	sets Audio Return Channel Off	Yes	Yes	Yes	Yes	
"01"	sets Audio Return Channel Auto	Yes	Yes	Yes	Yes	
"UP"	sets Audio Return Channel Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets The Audio Return Channel State	Yes	Yes	Yes	Yes	
<b>"LPS" - Lip Sync / Auto Delay</b>						
"00"	sets Lip Sync Off	Yes	Yes	Yes	Yes	
"01"	sets Lip Sync On	Yes	Yes	Yes	Yes	
"UP"	sets Lip Sync Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets The Lip Sync State	Yes	Yes	Yes	Yes	
<b>"APD" - Auto Power Down</b>						
"00"	sets Auto Power Down Off	Yes	Yes	Yes	Yes	
"01"	sets Auto Power Down On	Yes	Yes	Yes	Yes	
"UP"	sets Auto Power Down Wrap-Around	Yes	Yes	Yes	Yes	
"QSTN"	gets The Auto Power Down State	Yes	Yes	Yes	Yes	
<b>"PAM" - Pre Amp Mode / AMP Mode</b>						
"00"	sets Pre Amp Mode Off	No	No	No	No	
"01"	sets Pre Amp Mode Front	No	No	No	No	
"03"	sets Pre Amp Mode Front+Center	No	No	No	No	
"07"	sets Pre Amp Mode All	No	No	No	No	
"UP"	sets Auto Power Down Wrap-Around	No	No	No	No	

## Main-related Command Support List

		VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
Code	Means					
"QSTN"	gets The Auto Power Down State	No	No	No	No	
<b>"ECO" - for Smart Grid Command</b>						
"01"	sets Volume 1dB down and Dimmer Level "Dark"	Yes	Yes	Yes	Yes	
"03"	sets Volume 3dB down and Dimmer Level "Dark"	Yes	Yes	Yes	Yes	
"06"	sets Volume 6dB down and Dimmer Level "Dark"	Yes	Yes	Yes	Yes	
<b>"FWV" - Firmware Version</b>						
abce-fhik-lmno-qrtn	sets Firmware Version	Yes	Yes	Yes	Yes	
"QSTN"	gets The Firmware Version State	Yes	Yes	Yes	Yes	
<b>"UPD" - Update</b>						
"NET"	start Device Update via Network	Yes	Yes	Yes	Yes	
"USB"	start Device Update via USB	No	No	No	No	
"D**-nn"	nn Progress (%) **=DL Downloading **=NT Arm writng **=D1 DSP1 **=D2 DSP2 **=D3 DSP3 **=VM VMPU **=OS OSD **=MP MMPU  Progress表示に対応していない場合は下記文字列固定とする xx-xx	Yes	Yes	Yes	Yes	
"CMP"	Device Update is completed	Yes	Yes	Yes	Yes	
"Exx-yy"	xx=ErrorCode1 yy=ErrorCode2	Yes	Yes	Yes	Yes	
"00"	not exist new firmware	Yes	Yes	Yes	Yes	
"01"	exist new firmware	Yes	Yes	Yes	Yes	
"02"	exist new firmware(force)	Yes	Yes	Yes	Yes	
"QSTN"	gets exist new firmware	Yes	Yes	Yes	Yes	
<b>"POP" - Popup Message</b>						
"t-...<...>"	t -> message type 'X' : XML ...-> reserved <...> : XML data ( [CR] and [LF] are removed )	Yes	Yes	Yes	Yes	
"Ulit<...>"	U : UI Type 0 : List, 1 : Menu, 2 : Playback, 3 : Popup, 4 : Keyboard, 5 : Me ll -> number of layer (00-FF) t : Update Type 0 : All, 1 : Button, 2 : Textbox, 3 : Listbox <...> : XML data ( [CR] and [LF] are removed )	Yes	Yes	Yes	Yes	
Please refer to sheets of popup xml, custom popup, overlay popup, and disclaimer Line Separator : " - " (0x20, 0xC2, 0xB7, 0x20) [UTF-8 encoded]						
<b>"TPD" - Temperature Data</b>						
"F-99C-99" "F999C999"	The temperature Data(Fahrenheit and Celsius) 0 – 999 "F-99C-73": -99 degree Fahrenheit / -73 degree Celsius "F 32C 0": 32 degree Fahrenheit / 0 degree Celsius "F 41C 5": 41 degree Fahrenheit / 5 degree Celsius "F 50C 10": 50 degree Fahrenheit / 10 degree Celsius "F122C 50": 122 degree Fahrenheit / 50 degree Celsius "F212C100": 212 degree Fahrenheit / 100 degree Celsius "F302C150": 302 degree Fahrenheit / 150 degree Celsius  Reference Information: [TX-NR474/NR575E/8270/NR575/NR676/NR676E/RZ620/NR 777/RZ720/RZ820, DTM-7, DRX-2.1/3.1/4.1/5.1 VSX-832/932/LX102/LX302] Yellow Zone: "F150C 66" or more & "F210C 99" or less Red Zone:" F212C100" or more [TX-RZ920, DRX-7.1/R1.1, DRC-R1.1] Yellow Zone: "F176C 80" or more & "F246C119" or less Red Zone: "F248C120" or more	Yes	Yes	Yes	Yes	
"QSTN"	gets the Temperature Data	Yes	Yes	Yes	Yes	
<b>"TUN" - Tuning Command (Include Tuner Pack Model Only)</b>						
"nnnnn"	sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz / SR nnnnn ch) put 0 in the first two digits of nnnnn at SR	Yes	Yes	Yes	Yes	
"BAND"	Change BAND	Yes	Yes	Yes	Yes	
"DIRECT"	starts/restarts Direct Tuning Mode	Yes	Yes	Yes	Yes	
"0"	sets 0 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"1"	sets 1 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"2"	sets 2 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"3"	sets 3 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"4"	sets 4 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"5"	sets 5 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"6"	sets 6 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"7"	sets 7 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"8"	sets 8 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"9"	sets 9 in Direct Tuning Mode	Yes	Yes	Yes	Yes	
"UP"	sets Tuning Frequency Wrap-Around Up	Yes	Yes	Yes	Yes	
"DOWN"	sets Tuning Frequency Wrap-Around Down	Yes	Yes	Yes	Yes	
"QSTN"	gets The Tuning Frequency	Yes	Yes	Yes	Yes	
Ex: FM 100.5 MHz(100/200kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][1TUN1][1TUN0][1TUN0][1TUN5] Ex: FM 100.55 MHz(50kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][1TUN1][1TUN0][1TUN0][1TUN5] Ex: FM 90.0 MHz(100kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][1TUN9][1TUN0][1TUN0] Ex: FM 90.00 MHz(50kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][1TUN9][1TUN0][1TUN0][1TUN0] Ex: AM 1230 kHz(10kHz Step) Direct Tuning is [1SLI25][1TUNDIRECT][1TUN1][1TUN2][1TUN3] Ex: AM 1341 kHz(9kHz Step) Direct Tuning is [1SLI25][1TUNDIRECT][1TUN1][1TUN3][1TUN4][1TUN1]						
<b>"PRS" - Preset Command (Include Tuner Pack Model Only)</b>						
"01"-28"	sets Preset No. 1 - 40 ( In hexadecimal representation)	Yes	Yes	Yes	Yes	
"01"-1E"	sets Preset No. 1 - 30 ( In hexadecimal representation)	No	No	No	No	
"UP"	sets Preset No. Wrap-Around Up	Yes	Yes	Yes	Yes	
"DOWN"	sets Preset No. Wrap-Around Down	Yes	Yes	Yes	Yes	
"QSTN"	gets The Preset No.	Yes	Yes	Yes	Yes	
<b>"PRM" - Preset Memory Command (Include Tuner Pack Model Only)</b>						
"01"-28"	sets Preset No. 1 - 40 ( In hexadecimal representation)	Yes	Yes	Yes	Yes	
"01"-1E"	sets Preset No. 1 - 30 ( In hexadecimal representation)	No	No	No	No	
<b>"RDS" - RDS Information Command (RDS Model Only)</b>						
"00"	Display RT Information*1	Yes	Yes	Yes	Yes	

## Main-related Command Support List

Code	Means	VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302
"01"	Display PTY Information	Yes	Yes	Yes	Yes
"02"	Display TP Information	No	No	No	No
"UP"	Display RDS Information Wrap-Around Change	Yes	Yes	Yes	Yes
<b>"PTS" - PTY Scan Command (RDS Model Only)</b>					
"01"- "1D"	sets PTY No "1" - "29" ( In hexadecimal representation)	Yes	Yes	Yes	Yes
"ENTER"	Finish PTY Scan	Yes	Yes	Yes	Yes
<b>"TPS" - TP Scan Command (RDS Model Only)</b>					
" "	Start TP Scan (When Don't Have Parameter)	No	No	No	No
"ENTER"	Finish TP Scan	No	No	No	No
<b>"XCN" - XM Channel Name Info (XM Model Only)</b>					
"nnnnnnnnnn"	XM Channel Name	No	No	No	No
"QSTN"	gets XM Channel Name	No	No	No	No
<b>"XAT" - XM Artist Name Info (XM Model Only)</b>					
"nnnnnnnnnn"	XM Artist Name	No	No	No	No
"QSTN"	gets XM Artist Name	No	No	No	No
<b>"XTI" - XM Title Info (XM Model Only)</b>					
"nnnnnnnnnn"	XM Title	No	No	No	No
"QSTN"	gets XM Title	No	No	No	No
<b>"XCH" - XM Channel Number Command (XM Model Only)</b>					
"000"- "255"	XM Channel Number "000" - "255"	No	No	No	No
"UP"	sets XM Channel Wrap-Around Up	No	No	No	No
"DOWN"	sets XM Channel Wrap-Around Down	No	No	No	No
"QSTN"	gets XM Channel Number	No	No	No	No
<b>"XCT" - XM Category Command (XM Model Only)</b>					
"nnnnnnnnnn"	XM Category Info	No	No	No	No
"UP"	sets XM Category Wrap-Around Up	No	No	No	No
"DOWN"	sets XM Category Wrap-Around Down	No	No	No	No
"QSTN"	gets XM Category	No	No	No	No
<b>"SCN" - SIRIUS Channel Name Info (SIRIUS Model Only)</b>					
"nnnnnnnnnn"	SIRIUS Channel Name	No	No	No	No
"QSTN"	gets SIRIUS Channel Name	No	No	No	No
<b>"SAT" - SIRIUS Artist Name Info (SIRIUS Model Only)</b>					
"nnnnnnnnnn"	SIRIUS Artist Name	No	No	No	No
"QSTN"	gets SIRIUS Artist Name	No	No	No	No
<b>"STI" - SIRIUS Title Info (SIRIUS Model Only)</b>					
"nnnnnnnnnn"	SIRIUS Title	No	No	No	No
"QSTN"	gets SIRIUS Title	No	No	No	No
<b>"SCH" - SIRIUS Channel Number Command (SIRIUS Model Only)</b>					
"000"- "255"	SIRIUS Channel Number "000" - "255"	No	No	No	No
"UP"	sets SIRIUS Channel Wrap-Around Up	No	No	No	No
"DOWN"	sets SIRIUS Channel Wrap-Around Down	No	No	No	No
"QSTN"	gets SIRIUS Channel Number	No	No	No	No
<b>"SCT" - SIRIUS Category Command (SIRIUS Model Only)</b>					
"nnnnnnnnnn"	SIRIUS Category Info	No	No	No	No
"UP"	sets SIRIUS Category Wrap-Around Up	No	No	No	No
"DOWN"	sets SIRIUS Category Wrap-Around Down	No	No	No	No
"QSTN"	gets SIRIUS Category	No	No	No	No
<b>"SLK" - SIRIUS Parental Lock Command (SIRIUS Model Only)</b>					
"nnnn"	Lock Password (4Digits)	No	No	No	No
"INPUT"	displays "Please input the Lock password"	No	No	No	No
"WRONG"	displays "The Lock password is wrong"	No	No	No	No
<b>"HAT" - HD Radio Artist Name Info (HD Radio Model Only)</b>					
"nnnnnnnnnn"	HD Radio Artist Name (variable-length, 64 digits max)	No	No	No	No
"QSTN"	gets HD Radio Artist Name	No	No	No	No
<b>"HCN" - HD Radio Channel Name Info (HD Radio Model Only)</b>					
"nnnnnnnnnn"	HD Radio Channel Name (Station Name) (7 digits)	No	No	No	No
"QSTN"	gets HD Radio Channel Name	No	No	No	No
<b>"HTI" - HD Radio Title Info (HD Radio Model Only)</b>					
"nnnnnnnnnn"	HD Radio Title (variable-length, 64 digits max)	No	No	No	No
"QSTN"	gets HD Radio Title	No	No	No	No
<b>"HDS" - HD Radio Detail Info (HD Radio Model Only)</b>					
"nnnnnnnnnn"	HD Radio Title	No	No	No	No
"QSTN"	gets HD Radio Title	No	No	No	No
<b>"HPR" - HD Radio Channel Program Command (HD Radio Model Only)</b>					
"01"- "08"	sets directly HD Radio Channel Program	No	No	No	No
"QSTN"	gets HD Radio Channel Program	No	No	No	No
<b>"HBL" - HD Radio Blend Mode Command (HD Radio Model Only)</b>					
"00"	sets HD Radio Blend Mode "Auto"	No	No	No	No
"01"	sets HD Radio Blend Mode "Analog"	No	No	No	No
"QSTN"	gets the HD Radio Blend Mode Status	No	No	No	No
<b>"HTS" - HD Radio Tuner Status (HD Radio Model Only)</b>					
"mmnnoo"	HD Radio Tuner Status (3 bytes) mm -> "00" not HD, "01" HD nn -> current Program "01"- "08" oo -> receivable Program (8 bits are represented in hexadecimal)	No	No	No	No
"QSTN"	gets the HD Radio Tuner Status	No	No	No	No
The TUNER/XM/SIRIUS/HD Radio function is shared by the MAIN and ZONE side.					
*1:RDS information Command in RBDS Model, is only available Display RT inform					
<b>"BCS" - Battery Charge Status Command (Battery Model Only)</b>					
"00"	charging	No	No	No	No
"01"	charge completed	No	No	No	No
"10"	battery level Low	No	No	No	No
"11"	battery level Middle	No	No	No	No
"12"	battery level High	No	No	No	No
"QSTN"	gets battery charge status	No	No	No	No
<b>"CCD" - CD Player Operation Command (Include CD Function Model Only)</b>					
"PLAY"	PLAY	No	No	No	No
"STOP"	STOP	No	No	No	No
"PAUSE"	PAUSE	No	No	No	No
"SKIP.F"	>>	No	No	No	No
"SKIP.R"	<<	No	No	No	No
"REPEAT"	REPEAT	No	No	No	No
"RANDOM"	RANDOM	No	No	No	No

Main-related Command Support List

		VSX-832 (Ether)	VSX-932 (Ether)	VSX-LX102	VSX-LX302	
Code	Means					
"CST" - CD Play Status						
"prs"	CD Play Status (3 letters) p -> Play Status: "S": STOP, "P": Play, "p": Pause, "F": FF, "R": r -> Repeat Status: "-": Off, "R": All, "1": Repeat 1 s -> Shuffle(Random) Status: "-": Off, "S": All	No	No	No	No	
"OSTN"	gets CD Play Status	No	No	No	No	
"DST" - Current disc status notice						
"00"	No disc	No	No	No	No	
"04"	Audio CD	No	No	No	No	
"07"	MP3 CD	No	No	No	No	
"FF"	Unknown	No	No	No	No	
"QSTN"	gets Disc Status	No	No	No	No	
"CFS" - Current Folder Status (No.)						
"001"-"099"	Folder Number	No	No	No	No	
"QSTN"	gets Folder Number Info	No	No	No	No	
"CTS" - Current Track Status (No.)						
"001"-"499"	Track Number	No	No	No	No	
"QSTN"	gets Track Number Info	No	No	No	No	
"CTM" - CD Time Info						
"mm:ss/mm:ss"	CD Time Info (Elapsed time/Track Time Max 99:59)	No	No	No	No	
"QSTN"	gets CD Time Info	No	No	No	No	
"SCE" - Set CD Elapsed Time						
"mm:ss"	Specified Elapsed CD Time	No	No	No	No	
DSN - DAB Station Name						
xx...xx	xx...xx : DAB Station Name (UTF-8) 下記文字は特殊コードで送信する 0x02 : ← 0x03 : ↑ 0x04 : → 0x05 : ↓ 0x06 :    上記以外の0x00~0x1F、0x80~0xA0はスペース表示とする	No	No	No	No	
"QSTN"	gets Station Name	No	No	No	No	

**Main-related Command Support List**

Code	Means
<b>"PWR" - System Power Command</b>	
"00"	sets System Standby
"01"	sets System On
"ALL"	All Zone(including Main Zone) Standby
"QSTN"	gets the System Power Status
<b>"AMT" - Audio Muting Command</b>	
"00"	sets Audio Muting Off
"01"	sets Audio Muting On
"TG"	sets Audio Muting Wrap-Around
"QSTN"	gets the Audio Muting State
<b>"CMT" - Audio Muting by Channel Command</b>	
bccccdeeffgghhijjjkkll	sets Audio Muting by Channel xx=00 Muting Off xx=01 Muting On xx=TG Muting Wrap-Around for not exist channel is always 00.
	aa:Front Left
	bb:Front Right
	cc:Center
	dd:Surround Left
	ee:Surround Right
	ff:Surround Back Left
	gg:Surround Back Right
	hh:Subwoofer 1
	ii:Height 1 Left
	jj:Height 1 Right
	kk:Height 2 Left
	ll:Height2 Right
	mm:Subwoofer 2
"QSTN"	gets the Audio Muting State
<b>"SPA"/"SPB" - Speaker A/B Command</b>	
"00"	sets Speaker Off
"01"	sets Speaker On
"UP"	sets Speaker Switch Wrap-Around
"QSTN"	gets the Speaker State
*1:SPA=MAIN A/SPB=MAIN B *2:SPA=Front A/SPB=Front B(Exclusive use)	
<b>"SPL" - Speaker Layout Command</b>	
"SB"	sets SurrBack Speaker
"FH"	sets Front High Speaker / SurrBack+Front High Speakers
"FW"	sets Front Wide Speaker / SurrBack+Front Wide Speakers
"HW"	sets Front High+Front Wide Speakers
"H1"	sets Height1 Speakers
"H2"	sets Height2 Speakers
"BH"	sets Back+Height1 Speakers
"BW"	sets Back+Wide Speakers
"HH"	sets Height1+Height2 Speakers
"A"	sets Speakers A
"B"	sets Speakers B
"AB"	sets Speakers A+B
"UP"	sets Speaker Switch Wrap-Around
"QSTN"	gets the Speaker State
<b>"MVL" - Master Volume Command</b>	
"00"- "C8"	Volume Level 0.0 – 100.0 ( 0.5 Step In hexadecimal represent)
"00"- "64"	Volume Level 0 – 100 ( In hexadecimal representation)
"00"- "50"	Volume Level 0 – 80 ( In hexadecimal representation)
"00"- "32"	Volume Level 0 – 50 ( In hexadecimal representation)
"UP"	sets Volume Level Up
"DOWN"	sets Volume Level Down
"UP1"	sets Volume Level Up 1dB Step
"DOWN1"	sets Volume Level Down 1dB Step
"QSTN"	gets the Volume Level
<b>"TFR" - Tone(Front) Command</b>	
"Bxx"	Front Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"Bxx"	Front Bass (xx is "-A"... "00"... "+A"[-10...0...+10 1 step])
"Txx"	Front Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"Txx"	Front Treble (xx is "-A"... "00"... "+A"[-10...0...+10 1 step])
"BUP"	sets Front Bass up(2 step)
"BUP"	sets Front Bass up(1 step)
"BDOWN"	sets Front Bass down(2 step)
"BDOWN"	sets Front Bass down(1 step)
"TUP"	sets Front Treble up(2 step)
"TUP"	sets Front Treble up(1 step)
"TDOWN"	sets Front Treble down(2 step)
"TDOWN"	sets Front Treble down(1 step)
"QSTN"	gets Front Tone ("BxxTxx")
<b>"TFW" - Tone(Front Wide) Command</b>	
"Bxx"	Front Wide Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"Txx"	Front Wide Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"BUP"	sets Front Wide Bass up(2 step)
"BDOWN"	sets Front Wide Bass down(2 step)
"TUP"	sets Front Wide Treble up(2 step)
"TDOWN"	sets Front Wide Treble down(2 step)
"QSTN"	gets Front Wide Tone ("BxxTxx")
<b>"TFH" - Tone(Front High) Command</b>	
"Bxx"	Front High Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"Txx"	Front High Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"BUP"	sets Front High Bass up(2 step)
"BDOWN"	sets Front High Bass down(2 step)
"TUP"	sets Front High Treble up(2 step)
"TDOWN"	sets Front High Treble down(2 step)
"QSTN"	gets Front High Tone ("BxxTxx")
<b>"TCT" - Tone(Center) Command</b>	
"Bxx"	Center Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"Txx"	Center Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"BUP"	sets Center Bass up(2 step)
"BDOWN"	sets Center Bass down(2 step)

**Main-related Command Support List**

Code	Means
"TUP"	sets Center Treble up(2 step)
"TDOWN"	sets Center Treble down(2 step)
"QSTN"	gets Cethr Tone ("BxxTxx")
<b>"TSR" - Tone(Surround) Command</b>	
"Bxx"	Surround Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"Txx"	Surround Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"BUP"	sets Surround Bass up(2 step)
"BDOWN"	sets Surround Bass down(2 step)
"TUP"	sets Surround Treble up(2 step)
"TDOWN"	sets Surround Treble down(2 step)
"QSTN"	gets Surround Tone ("BxxTxx")
<b>"TSB" - Tone(Surround Back) Command</b>	
"Bxx"	Surround Back Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"Txx"	Surround Back Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"BUP"	sets Surround Back Bass up(2 step)
"BDOWN"	sets Surround Back Bass down(2 step)
"TUP"	sets Surround Back Treble up(2 step)
"TDOWN"	sets Surround Back Treble down(2 step)
"QSTN"	gets Surround Back Tone ("BxxTxx")
<b>"TSW" - Tone(Subwoofer) Command</b>	
"Bxx"	Subwoofer Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step])
"BUP"	sets Subwoofer Bass up(2 step)
"BDOWN"	sets Subwoofer Bass down(2 step)
"QSTN"	gets Subwoofer Tone ("BxxTxx")
<b>"PMB" - Phase Matching Bass Command</b>	
"00"	sets Off
"01"	sets On
"TG"	sets Phase Matching Bass Wrap-Around Up
"QSTN"	gets Phase Matching Bass
<b>"SLP" - Sleep Set Command</b>	
"01"- "5A"	sets Sleep Time 1 - 90min ( In hexadecimal representation)
"OFF"	sets Sleep Time Off
"UP"	sets Sleep Time Wrap-Around UP(Only when the value is OFF)
"QSTN"	gets The Sleep Time
<b>"SLC" - Speaker Level Calibration Command</b>	
"TEST"	TEST Key
"OFF"	sets TEST TONE OFF
"CHSEL"	CH SEL Key
"UP"	LEVEL + Key
"DOWN"	LEVEL - KEY
<b>"SWL" - Subwoofer (temporary) Level Command</b>	
"-1E"- "000"- "+18"	sets Subwoofer Level -15.0dB - 0.0dB - +12.0dB(0.5dB Step)
"-0F"- "000"- "+0C"	sets Subwoofer Level -15.0dB - 0.0dB - +12.0dB
"-F"- "00"- "+C"	sets Subwoofer Level -15dB - 0dB - +12dB
"UP"	LEVEL + Key
"DOWN"	LEVEL - KEY
"QSTN"	gets the Subwoofer Level
<b>"SW2" - Subwoofer 2 (temporary) Level Command</b>	
"-1E"- "000"- "+18"	sets Subwoofer 2 Level -15.0dB - 0.0dB - +12.0dB(0.5dB Step)
"-0F"- "000"- "+0C"	sets Subwoofer Level -15.0dB - 0.0dB - +12.0dB
"-F"- "00"- "+C"	sets Subwoofer 2 Level -15dB - 0dB - +12dB
"UP"	LEVEL + Key
"DOWN"	LEVEL - KEY
"QSTN"	gets the Subwoofer Level
<b>"CTL" - Center (temporary) Level Command</b>	
"-18"- "000"- "+18"	sets Center Level -12.0dB - 0.0dB - +12.0dB(0.5dB Step)
"-0C"- "000"- "+0C"	sets Subwoofer Level -12.0dB - 0.0dB - +12.0dB
"-C"- "00"- "+C"	sets Center Level -12dB - 0dB - +12dB
"UP"	LEVEL + Key
"DOWN"	LEVEL - KEY
"QSTN"	gets the Subwoofer Level
<b>"TCL" -Temporary Channel Level Command</b>	
dddeeefffggghhijj	sets Temporary Channel Level Subwoofer1/2 xxx=-1E(-15.0dB)~000(0.0dB)~+18(+12.0dB) Other Ch xxx=-18(-12.0dB)~000(0.0dB)~+18(+12.0dB) for not exist channel is always 000.
	aaa:Front Left
	bbb:Front Right
	ccc:Center
	ddd:Surround Left
	eee:Surround Right
	fff:Surround Back Left
	ggg:Surround Back Right
	hhh:Subwoofer 1
	iii:Height 1 Left
	jjj:Height 1 Right
	kkk:Height 2 Left
	lll:Height2 Right
	mmm:Subwoofer 2
"QSTN"	gets the Subwoofer Level
<b>"DIF" - Display Information Command</b>	
"00"	Display Program Format
"01"	Display Digital Input Position
"02"	Display Digital Format Position
"03"	Display Bass Level
"04"	Display Treble Level
<b>"DIF" - Display Mode Command</b>	
"00"	sets Selector + Volume Display Mode@1line, Default@2line
"01"	sets Selector + Listening Mode Display Mode@1line
"02"	Display Digital Format(temporary display)
"03"	Display Video Format(temporary display)
"TG"	sets Display Mode Wrap-Around Up
"QSTN"	gets The Display Mode
*1: Parameter Character is "UP"	
<b>"DIM" - Dimmer Level Command</b>	
"00"	sets Dimmer Level "Bright"

**Main-related Command Support List**

Code	Means
"01"	sets Dimmer Level "Dim"
"02"	sets Dimmer Level "Dark"
"03"	sets Dimmer Level "Shut-Off"
"08"	sets Dimmer Level "Bright & LED OFF"
"DIM"	sets Dimmer Level Wrap-Around Up
"OSTN"	gets The Dimmer Level
<b>"OSD" - Setup Operation Command</b>	
"MENU"	Menu Key      Setup Key
"UP"	Up Key
"DOWN"	Down Key
"RIGHT"	Right Key
"LEFT"	Left Key
"ENTER"	Enter Key
"EXIT"	Exit Key
"AUDIO"	Audio Adjust Key
"VIDEO"	Video Adjust Key
"HOME"	Home Key
"QUICK"	Quick Setup Key      Quick Menu Key/AV Adjust Key
"IPV"	Instaprevue Key
<b>"MEM" - Memory Setup Command</b>	
"STR"	stores memory
"RCL"	recalls memory
"LOCK"	locks memory
"UNLK"	unlocks memory
<b>"RST" - Reset Command</b>	
"ALL"	Reset All
<b>"IFA" - Audio Information Command</b>	
"a..a.b..b.c...c.d.d ..e...e.f...f."	Information of Audio(Same Immediate Display ',' is separator of informations) a...a: Audio Input Port b...b: Input Signal Format c...c: Sampling Frequency d...d: Input Signal Channel e...e: Listening Mode f...f: Output Signal Channel
"a..a.b..b.c...c.d.d ..e...e.f...f.g...g.h ...h.i...i.j...j.k...k"	Information of Audio(Same Immediate Display ',' is separator of informations) a...a: Audio Input Port b...b: Input Signal Format c...c: Sampling Frequency d...d: Input Signal Channel e...e: Listening Mode f...f: Output Signal Channel g...g: Output Sampling Frequency h...h: PQLS (Off/2ch/Multich/Bitstream) i...i: Auto Phase Control Current Delay (0ms - 16ms / ---) j...j: Auto Phase Control Phase (Normal/Reverse) k...k: Upmix Mode(No/PL2/PL2X/PL2Z/DolbySurround/Neo6/NeoX/Neural X/THXS2/ADYDSX)
"OSTN"	gets Information of Audio
when you send "DIF02", receiver will return this response.	
<b>"IFV" - Video Information Command</b>	
"a..a.b..b.c...c.d.d ..e...e.f...f.g...g.h ...h.i...i."	Information of Video(Same Immediate Display ',' is separator of informations) a...a: Video Input Port b...b: Input Resolution, Frame Rate c...c: RGB/YCbCr d...d: Color Depth e...e: Video Output Port f...f: Output Resolution, Frame Rate g...g: RGB/YCbCr h...h: Color Depth i...i: Picture Mode
"QSTN"	gets Information of Video
when you send "DIF03", receiver will return this response.	
<b>"FLD" - FL Display Information Command</b>	
"xxxxxxxxxxxx"	FL Display Information Character Code for FL Display (UTF-8 encoded)
"QSTN"	gets FL Display Information
<b>"SLI" - Input Selector Command</b>	
"00"	sets VIDEO1    VCR/DVR    STB/DVR
"01"	sets VIDEO2    CBL/SAT
"02"	sets VIDEO3    GAME/TV    GAME    GAME1
"03"	sets VIDEO4    AUX1(AUX)
"04"	sets VIDEO5    AUX2                    GAME2
"05"	sets VIDEO6    PC
"06"	sets VIDEO7
"07"	Hidden1    EXTRA1
"08"	Hidden2    EXTRA2
"09"	Hidden3    EXTRA3
"10"	sets DVD       BD/DVD
"11"	sets STRM BOX
"12"	sets TV
"20"	sets TAPE(1)    TV/TAPE
"21"	sets TAPE2
"22"	sets PHONO
"23"	sets CD        TV/CD
"24"	sets FM
"25"	sets AM
"26"	sets TUNER
"27"	sets MUSIC SERVER    P4S    DLNA*2
"28"	sets INTERNET RADIO                    iRadio Favorite*3
"29"	sets USB/USB(Front)
"2A"	sets USB(Rear)
"2B"	sets NETWORK                    NET
"2C"	sets USB(toggle)
"2D"	sets Aiplay
"2E"	sets Bluetooth

**Main-related Command Support List**

Code	Means
"2F"	sets USB DAC In
"41"	sets LINE
"42"	sets LINE2
"44"	sets OPTICAL
"45"	sets COAXIAL
"40"	sets Universal PORT
"30"	sets MULTI CH
"31"	sets XM*1
"32"	sets SIRIUS*1
"33"	sets DAB *5
"55"	sets HDMI 5
"56"	sets HDMI 6
"57"	sets HDMI 7
"UP"	sets Selector Position Wrap-Around Up
"DOWN"	sets Selector Position Wrap-Around Down
"QSTN"	gets The Selector Position
*1: Only available XM/SIRIUS Model	
*5: only Europe and Asia/Australia Model	
*6: Only AE Model(TX-NR515AE/616AE/818AE)	
*7: Except Europe and Asia/Australia Model	
*8: Europe Model Only	
<b>"SLR" - RECOUT Selector Command</b>	
"00"	sets VIDEO1
"01"	sets VIDEO2
"02"	sets VIDEO3
"03"	sets VIDEO4
"04"	sets VIDEO5
"05"	sets VIDEO6
"06"	sets VIDEO7
"10"	sets DVD
"20"	sets TAPE(1)
"21"	sets TAPE2
"22"	sets PHONO
"23"	sets CD
"24"	sets FM
"25"	sets AM
"26"	sets TUNER
"27"	sets MUSIC SERVER
"28"	sets INTERNET RADIO
"30"	sets MULTI CH
"31"	sets XM
"7F"	sets OFF
"80"	sets SOURCE
"QSTN"	gets The Selector Position
*1: REC/ZONE3	
<b>"SLA" - Audio Selector Command</b>	
"00"	sets AUTO
"01"	sets MULTI-CHANNEL
"02"	sets ANALOG
"03"	sets iLINK
"04"	sets HDMI
"05"	sets COAX/OPT
"06"	sets BALANCE
"07"	sets ARC
"0F"	sets None
"UP"	sets Audio Selector Wrap-Around Up
"QSTN"	gets The Audio Selector Status
<b>"TGA" - 12V Trigger A Command</b>	
"00"	sets 12V Trigger A Off
"01"	sets 12V Trigger A On
"00"	sets 12V Trigger A Off
"01"	sets 12V Trigger A On
"QSTN"	gets 12V Trigger A Status
<b>"TGB" - 12V Trigger B Command</b>	
"00"	sets 12V Trigger B Off
"01"	sets 12V Trigger B On
"00"	sets 12V Trigger B Off
"01"	sets 12V Trigger B On
"QSTN"	gets 12V Trigger B Status
<b>"TGC" - 12V Trigger C Command</b>	
"00"	sets 12V Trigger C Off
"01"	sets 12V Trigger C On
"00"	sets 12V Trigger C Off
"01"	sets 12V Trigger C On
"QSTN"	gets 12V Trigger C Status
TGA/TGB/TGC are available when each 12V Trigger parameter is all "OFF" at Set.	
<b>"VOS" - Video Output Selector (Japanese Model Only)</b>	
"00"	sets D4
"01"	sets Component
"QSTN"	gets The Selector Position
<b>"HDO" - HDMI Output Selector</b>	
"00"	sets No Analog
"01"	sets Yes/Out Main HDMI Main HDMI
"02"	sets Out Sub HDMI Sub HDBaseT
"03"	sets Both Main+Sub
"04"	sets Both(Main)
"05"	sets Both(Sub)
"UP"	sets HDMI Out Selector Wrap-Around Up
"QSTN"	gets The HDMI Out Selector
*1 except American Model	
<b>"HAO" -HDMI Audio Out (Main)</b>	
"00"	sets Off
"01"	sets On
"02"	sets Auto
"UP"	sets HDMI Audio Out Wrap-Around Up
"QSTN"	gets HDMI Audio Out
<b>"HAS" -HDMI Audio Out (Sub)</b>	



**Main-related Command Support List**

Code	Means
"00"	sets Off
"01"	sets On
"UP"	sets HDMI Audio Out Wrap-Around Up
"OSTN"	gets HDMI Audio Out
<b>"CEC" - HDMI CEC</b>	
"00"	sets Off
"01"	sets On
"UP"	sets HDMI CEC Wrap-Around Up
"OSTN"	gets HDMI CEC
<b>"CCM" - HDMI CEC Control Monitor</b>	
"01"	sets Main
"02"	sets Zone2
"10"	sets Sub
"UP"	sets Control Monitor Wrap-Around Up
"OSTN"	gets Control Monitor
<b>"RES" - Monitor Out Resolution</b>	
"00"	sets Through
"01"	sets Auto(HDMI Output Only)
"02"	sets 480p
"03"	sets 720p
"13"	sets 1680x720p
"04"	sets 1080i
"05"	sets 1080p(HDMI Output Only)
"07"	sets 1080p/24fs(HDMI Output Only)
"15"	sets 2560x1080p
"08"	sets 4K Upcaling(HDMI Output Only) 4K(HDMI Output Only)
"06"	sets Source
"UP"	sets Monitor Out Resolution Wrap-Around Up
"OSTN"	gets The Monitor Out Resolution
<b>"SPR" - Super Resolution</b>	
"00"~"03"	sets Super Resolution
"UP"	sets Super Resolution Wrap-Around Up
"DOWN"	sets Super Resolution Wrap-Around DOWN
"OSTN"	gets The Super Resolution State
<b>"HOI" - HDMI Out Information</b>	
ab	sets HDMI Information a:HDMI Out MAIN 1:for Main Zone b:HDMI Out SUB 0:None(No terminal), 1:for Main Zone(Zone2HDMI=Not Use or Zone2HDMI is not supported), 2:for Zone 2(Zone2HDMI=Use)
"OSTN"	gets The HDMI Out Information State
<b>"ISF" - ISF Mode</b>	
"00"	sets ISF Mode Custom
"01"	sets ISF Mode Day
"02"	sets ISF Mode Night
"UP"	sets ISF Mode State Wrap-Around Up
"OSTN"	gets The ISF Mode State
<b>"VWM" - Video Wide Mode</b>	
"00"	sets Auto
"01"	sets 4:3
"02"	sets Full
"03"	sets Zoom
"04"	sets Wide Zoom
"05"	sets Smart Zoom
"UP"	sets Video Zoom Mode Wrap-Around Up
"OSTN"	gets Video Zoom Mode
<b>"VPM" - Video Picture Mode</b>	
"00"	sets Through Standard
"01"	sets Custom
"02"	sets Cinema
"03"	sets Game
"05"	sets ISF Day
"06"	sets ISF Night
"07"	sets Streaming
"08"	sets Direct Bypass
"UP"	sets Video Zoom Mode Wrap-Around Up
"OSTN"	gets Video Zoom Mode
<b>"LMD" - Listening Mode Command</b>	
"00"	sets STEREO
"01"	sets DIRECT
"02"	sets SURROUND
"03"	sets FILM Game-RPG
"04"	sets THX
"05"	sets ACTION Game-Action
"06"	sets MUSICAL Game-Rock
"07"	sets MONO MOVIE
"08"	sets ORCHESTRA
"09"	sets UNPLUGGED
"0A"	sets STUDIO-MIX
"0B"	sets TV LOGIC
"0C"	sets ALL CH STEREO
"0D"	sets THEATER-DIMENSIONAL
"0E"	sets ENHANCED 7/ENHANCE Game-Sports
"0F"	sets MONO
"11"	sets PURE AUDIO
"12"	sets MULTIPLEX
"13"	sets FULL MONO
"14"	sets DOLBY VIRTUAL / Surround Enhancer
"15"	sets DTS Surround Sensation
"16"	sets Audyssey DSX
"1F"	sets Whole House Mode
"23"	sets Stage (when Genre Control is Enable in Japan Model)
"25"	sets Action (when Genre Control is Enable in Japan Model)
"26"	sets Music (when Genre Control is Enable in Japan Model)
"2E"	sets Sports (when Genre Control is Enable in Japan Model)
"40"	sets 5.1ch Surround
"40"	sets Straight Decode*1

**Main-related Command Support List**

Code	Means
"41"	sets Dolby EX/DTS ES
"41"	sets Dolby EX*2
"42"	sets THX Cinema
"43"	sets THX Surround EX
"44"	sets THX Music
"45"	sets THX Games
"50"	sets THX U(2)/S(2)/I/S Cinema/Cinema2
"51"	sets THX MusicMode, THX U(2)/S(2)/I/S Music
"52"	sets THX Games Mode, THX U(2)/S(2)/I/S Games
"80"	sets PLII/PLIIX Movie   Dolby Atmos/Dolby Surround
"81"	sets PLII/PLIIX Music
"82"	sets Neo:6 Cinema/Neo:X Cinema   DTS:X/Neural:X
"83"	sets Neo:6 Music/Neo:X Music
"84"	sets PLII/PLIIX THX Cinema   Dolby Surround THX Cinema
"85"	sets Neo:6/Neo:X THX Cinema   DTS Neural:X THX Cinema
"86"	sets PLII/PLIIX Game
"87"	sets Neural Surr*3
"88"	sets Neural THX/Neural Surround
"89"	sets PLII/PLIIX THX Games   Dolby Surround THX Games
"8A"	sets Neo:6/Neo:X THX Games   DTS Neural:X THX Games
"8B"	sets PLII/PLIIX THX Music   Dolby Surround THX Music
"8C"	sets Neo:6/Neo:X THX Music   DTS Neural:X THX Music
"8D"	sets Neural THX Cinema
"8E"	sets Neural THX Music
"8F"	sets Neural THX Games
"90"	sets PLIIZ Height
"91"	sets Neo:6 Cinema DTS Surround Sensation
"92"	sets Neo:6 Music DTS Surround Sensation
"93"	sets Neural Digital Music
"94"	sets PLIIZ Height + THX Cinema
"95"	sets PLIIZ Height + THX Music
"96"	sets PLIIZ Height + THX Games
"97"	sets PLIIZ Height + THX U2/S2 Cinema
"98"	sets PLIIZ Height + THX U2/S2 Music
"99"	sets PLIIZ Height + THX U2/S2 Games
"9A"	sets Neo:X Game
"A0"	sets PLIIX/PLII Movie + Audyssey DSX
"A1"	sets PLIIX/PLII Music + Audyssey DSX
"A2"	sets PLIIX/PLII Game + Audyssey DSX
"A3"	sets Neo:6 Cinema + Audyssey DSX
"A4"	sets Neo:6 Music + Audyssey DSX
"A5"	sets Neural Surround + Audyssey DSX
"A6"	sets Neural Digital Music + Audyssey DSX
"A7"	sets Dolby EX + Audyssey DSX
"FF"	sets Auto Surround
"UP"	sets Listening Mode Wrap-Around Up
"DOWN"	sets Listening Mode Wrap-Around Down
"MOVIE"	sets Listening Mode Wrap-Around Up
"MUSIC"	sets Listening Mode Wrap-Around Up
"GAME"	sets Listening Mode Wrap-Around Up
"THX"	sets Listening Mode Wrap-Around Up
"AUTO"	sets Listening Mode Wrap-Around Up
"SURR"	sets Listening Mode Wrap-Around Up
"STEREO"	sets Listening Mode Wrap-Around Up
"QSTN"	gets The Listening Mode
*1 Newer than TX-SR805:Dolby Digital/DTS/AAC/DTS-ES/DTSS 96/24/Dolby Digital	
*2 Newer than TX-SR805:if you want to change Listening Mode to DTS-ES,please	
*3 Only Available North American Model	
<b>"DIR" - Direct Command</b>	
"00"	sets Off
"01"	sets On
"TG"	sets Direct Wrap-Around Up
"QSTN"	gets Direct Status
<b>"LTN" - Late Night Command</b>	
"00"	sets Late Night Off
"01"	sets Late Night Low@DolbyDigital,On@Dolby TrueHD
"02"	sets Late Night High@DolbyDigital,(On@Dolby TrueHD)
"03"	sets Late Night Auto@Dolby TrueHD
"UP"	sets Late Night State Wrap-Around Up
"QSTN"	gets The Late Night Level
<b>"RAS" - Re-EQ/Academy Filter Command</b>	
"00"	sets Both Off
"01"	sets Re-EQ On
"02"	sets Academy On
"UP"	sets Re-EQ/Academy State Wrap-Around Up
"QSTN"	gets The Re-EQ/Academy State
<b>"RAS" - Re-EQ Command</b>	
"00"	sets Re-EQ Off
"01"	sets Re-EQ On
"UP"	sets Re-EQ State Wrap-Around Up
"QSTN"	gets The Re-EQ State
<b>"RAS" - Cinema Filter Command</b>	
"00"	sets Cinema Filter Off
"01"	sets Cinema Filter On
"UP"	sets Cinema Filter State Wrap-Around Up
"QSTN"	gets The Cinema Filter State
<b>"ADY" - Audyssey 2EQ/MultEQ/MultEQ XT</b>	
"00"	sets Audyssey 2EQ/MultEQ/MultEQ XT Off
"01"	sets Audyssey 2EQ/MultEQ/MultEQ XT On/Movie
"02"	sets Audyssey 2EQ/MultEQ/MultEQ XT Music
"UP"	sets Audyssey 2EQ/MultEQ/MultEQ XT State Wrap-Around Up
"QSTN"	gets The Audyssey 2EQ/MultEQ/MultEQ XT State
<b>"ADQ" - Audyssey Dynamic EQ</b>	
"00"	sets Audyssey Dynamic EQ Off
"01"	sets Audyssey Dynamic EQ On
"UP"	sets Audyssey Dynamic EQ State Wrap-Around Up

**Main-related Command Support List**

Code	Means
"QSTN"	gets The Audyssey Dynamic EQ State
<b>"ADV" - Audyssey Dynamic Volume</b>	
"00"	sets Audyssey Dynamic Volume Off
"01"	sets Audyssey Dynamic Volume Light
"02"	sets Audyssey Dynamic Volume Medium
"03"	sets Audyssey Dynamic Volume Heavy
"UP"	sets Audyssey Dynamic Volume State Wrap-Around Up
"QSTN"	gets The Audyssey Dynamic Volume State
<b>"DVL" - Dolby Volume</b>	
"00"	sets Dolby Volume Off
"01"	sets Dolby Volume Low/On
"02"	sets Dolby Volume Mid
"03"	sets Dolby Volume High
"UP"	sets Dolby Volume State Wrap-Around Up
"QSTN"	gets The Dolby Volume State
<b>"AEQ" - AccuEQ</b>	
"00"	sets AccuEQ Off
"01"	sets AccuEQ On On(All Ch)
"02"	sets AccuEQ On(ex. Front L/R)
"UP"	sets AccuEQ State Wrap-Around Up
"QSTN"	gets The AccuEQ State
<b>"MCM" - MCACC EQ</b>	
"01"	sets MCACC MEMORY 1
"02"	sets MCACC MEMORY 2
"03"	sets MCACC MEMORY 3
"04"	sets MCACC MEMORY 4
"05"	sets MCACC MEMORY 5
"06"	sets MCACC MEMORY 6
"UP"	sets MCACC MEMORY Wrap-Around Up
"DOWN"	sets MCACC MEMORY Wrap-Around Down
"QSTN"	gets The MCACC MEMORY
<b>"EQS" - Equalizer Select(Off:Equalizer, P:Manual EQ Select)</b>	
"00"	sets Equalizer Off
"01"	sets Equalizer Preset 1
"02"	sets Equalizer Preset 2
"03"	sets Equalizer Preset 3
"UP"	sets Equalizer Preset Wrap-Around Up
"DOWN"	sets Equalizer Preset Wrap-Around Down
"QSTN"	gets The Equalizer Preset
<b>"STW" - EQ for Standing Wave / Standing Wave</b>	
"00"	sets Standing Wave Off
"01"	sets Standing Wave On
"UP"	sets Standing Wave Wrap-Around Up
"QSTN"	gets The Standing Wave
<b>"PCT" - Phase Control</b>	
"00"	sets Phase Control Off
"01"	sets Phase Control On
"02"	sets Full Band Phase Control On
"UP"	sets Phase Control Wrap-Around Up
"QSTN"	gets The Phase Control
<b>"PCP" - Phase Control Plus</b>	
"00"."10"	sets Phase Control Plus 0msec - 16msec
"AT"	sets Auto Phase Control Plus
"UP"	sets Phase Control Plus Up
"DOWN"	sets Phase Control Plus Down
"QSTN"	gets The Phase Control Plus
<b>"LFE" - LFE Level / LFE Mute Level</b>	
xx	sets LFE Mute Level
	00:0dB
	01:-1dB
	02:-2dB
	03:-3dB
	04:-4dB
	05:-5dB
	0A:-10dB
	0F:-15dB
	14:-20dB
	FF:-oodB
"UP"	sets LFE Mute Level Up
"DOWN"	sets LFE Mute Level Down
"QSTN"	gets The LFE Mute Level
<b>"ACE" - All Channel EQ for Temporary Value</b>	
bbccodddeeffggg	sets All Channel EQ for Temporary Value
	xxx=-18(-12.0dB)~000(0.0dB)~+18(+12.0dB)
	aaa:63Hz
	bbb:125Hz
	ccc:250Hz
	ddd:500Hz
	eee:1kHz
	fff:2kHz
	ggg:4kHz
	hhh:8kHz
	iii:16kHz
"QSTN"	gets The Phase Control
<b>"MCC" - MCACC Calibration</b>	
"00"	not complete MCACC calibration
"01"	complete MCACC calibration
"QSTN"	gets The MCACC calibration
<b>"MFB" - Fullband MCACC Calibration</b>	
"00"	not complete Fullband MCACC calibration or not have Fullband MCACC function
"01"	complete Fullband MCACC calibration
"QSTN"	gets The Fullband MCACC calibration
<b>"MOT" - Music Optimizer / Sound Retriever</b>	
"00"	sets Music Optimizer Off
"01"	sets Music Optimizer On
"UP"	sets Music Optimizer State Wrap-Around Up

**Main-related Command Support List**

Code	Means
"QSTN"	gets The Music Optimizer State
<b>"AVS" - A/V Sync</b>	
"snnn"	sets A/V Sync s: sign ( "+" or "-" or "0") If set minus value, s="-". (only HDMI Lipsync is available) If set plus value, s="+" If set zero value, s="0" nnn : value; If set 100msec, nnn="100"
"UP"	sets A/V Sync is increased (step is depend on model)
"DOWN"	sets A/V Sync is decreased (step is depend on model)
"QSTN"	gets A/V Sync Value
<b>"ASC" - Audio Scalar</b>	
"00"	sets Audio Scalar Auto
"01"	sets Audio Scalar Manual
"UP"	sets Audio Scalar Wrap-Around
"QSTN"	gets The Audio Scalar State
<b>"UPS" - Upsampling</b>	
"00"	sets Upsampling x1
"01"	sets Upsampling x2
"02"	sets Upsampling x4
"03"	sets Upsampling x8
"UP"	sets Upsampling Wrap-Around
"QSTN"	gets The Upscaling State
<b>"HBT" - Hi-Bit</b>	
"00"	sets Hi-Bit Off
"01"	sets Hi-Bit On
"UP"	sets Hi-Bit Wrap-Around Up
"QSTN"	gets The Hi-Bit State
<b>"DGF" - Digital Filter</b>	
"00"	sets Digital Filter Slow
"01"	sets Digital Filter Sharp
"02"	sets Digital Filter Short
"UP"	sets Digital Filter Wrap-Around
"QSTN"	gets The Digital Filter State
<b>"LRA" - Lock Range Adjust</b>	
"01"-"07"	sets Lock Range Adjust
"UP"	sets Lock Range Adjust Up
"Down"	sets Lock Range Adjust Down
"QSTN"	gets The Lock Range Adjust State
<b>"PBS" - P.BASS</b>	
"00"	sets P.BASS Off
"01"	sets P.BASS On
"UP"	sets P.BASS Wrap-Around Up
"QSTN"	gets The P.BASS State
<b>"SBS" - S.BASS</b>	
"00"	sets S.BASS Off
"01"	sets S.BASS On
"UP"	sets S.BASS Wrap-Around Up
"QSTN"	gets The S.BASS State
<b>"SCD" - Screen Centered Dialog / Dialog Enhancement</b>	
"00"	sets Dialog Enhancement Off
"01"	sets Dialog Enhancement On
"02"-"05"	sets Dialog Enhancement UP1-UP4
"UP"	sets Dialog Enhancement Wrap-Around
"QSTN"	gets The Dialog Enhancement State
<b>"CTS" - Center Spread for Dolby Surround</b>	
"00"	sets Center Spread Off
"01"	sets Center Spread On
"TG"	sets Center Spread Wrap-Around
"QSTN"	gets The Center Spread State
<b>"PNR" - Panorama for PLII Music</b>	
"00"	sets Panorama Off
"01"	sets Panorama On
"TG"	sets Panorama Wrap-Around
"QSTN"	gets The Panorama State
<b>"DMS" - Dimension for PLII Music</b>	
"-3"-"00"-"0"-"3"	sets Dimension
"UP"	sets Dimension Up
"DOWN"	sets Dimension Down
"QSTN"	gets The Dimension State
<b>"CTW" - Center Width for PLII Music</b>	
"00"-"07"	sets Center Width
"UP"	sets Center Width Up
"DOWN"	sets Center Width Down
"QSTN"	gets The Center Width State
<b>"CTI" - Center Image for Neo:6 Music</b>	
"00"-"0A"	sets Center Image
"UP"	sets Center Image Up
"DOWN"	sets Center Image Down
"QSTN"	gets The Center Image State
<b>"DLC" - Dialog Control</b>	
"00"-"0"-"6"	sets Dialog Control
"UP"	sets Dialog Control Up
"DOWN"	sets Dialog Control Down
"QSTN"	gets The Dialog Control State
<b>"DCE" - Dialog Control Enabled</b>	
"00"	Dialog Control is disabled
"01"	Dialog Control is enabled
"QSTN"	gets The Dialog Control Enabled State
<b>"SPI" - Speaker Information</b>	

**Main-related Command Support List**

Code	Means
	sets Speaker Information
abdefghhhijk	a:Subwoofer 0:No,1:Yes/1ch,2:2ch b:Front 1:Small,2:Large c:Center 0:None,1:Small,2:Large d:Surround 0:None,1:Small,2:Large e:Surround Back 0:None,1:Small,2:Large f:Height 1 0:None,1:Small,2:Large g:Height 2 0:None,1:Small,2:Large hhh:Crossover 50,80,100,150,200 i:Height 1 Position 0:No,1:FH,2:TF,3:TM,4:TR,5:RH,6:DD SP(F),7:DD SP(S),8:DD SP(B) j:Height 2 Position 0:No,1:FH,2:TF,3:TM,4:TR,5:RH,6:DD SP(F),7:DD SP(S),8:DD SP(B) k:Bi-Amp 0:No,1:F,3:F+C,5:F+S,6:C+S,7:F+C+S
"QSTN"	gets The Speaker Information
<b>"SPD" - Speaker Distance Command</b>	
	sets Speaker Distance xxx=001-384 (0.01m - 9.00m unit is meters) xxx=001-12C (0.1ft - 30.0ft unit is feet) xxx=001-2D0 (0'0-1/2" - 30'0" unit is feet/inch) for not exist channel is always 000.  M:MCACC Memory 1-3 u:Unit 0:feet,1:meters,2:feet/inch aaa:Front Left bbb:Front Right ccc:Center ddd:Surround Left eee:Surround Right fff:Surround Back Left ggg:Surround Back Right hhh:Subwoofer 1 iii:Height 1 Left jji:Height 1 Right kkk:Height 2 Left lll:Height2 Right mmm:Subwoofer 2
"QSTN"	gets the Speaker Distance
<b>"DMN" - Input Channel (Multiplex) / Dual Mono</b>	
"00"	sets DUAL MONO MAIN
"01"	sets DUAL MONO SUB
"02"	sets DUAL MONO MAIN+SUB
"UP"	sets Panorama Wrap-Around
"QSTN"	gets The Panorama State
<b>"LDM" - Loudness Management</b>	
"00"	sets Loudness Management Off
"01"	sets Loudness management On
"UP"	sets Panorama Wrap-Around
"QSTN"	gets The Panorama State
<b>"ITV" - IntelliVolume / Input Volume Absorber</b>	
"-18"- "00"- "+18"	sets IntelliVolume -12.0dB~0dB~+12.0dB(0.5dB Step)
"UP"	sets IntelliVolume Up
"DOWN"	sets IntelliVolume Down
"QSTN"	gets The IntelliVolume State
<b>"IRN" - Input Selector Rename / Input Function Rename</b>	
ixxxxxxxxxx	sets Input Selector Name (10 characters) ii: Selector Number (the same as for SLI command) xxxxxxxxxx: Name(Max 10 characters)
<b>"FXP" - PCM Fixed Mode / Fixed PCM Mode</b>	
"00"	sets PCM Fixed Mode Off
"01"	sets PCM Fixed Mode On
"UP"	sets PCM Fixed Mode Wrap-Around
"QSTN"	gets The PCM Fixed Mode State
<b>"HST" - HDMI Standby Through</b>	
xx	sets HDMI Standby Through xx=SLI Number
"OFF"	sets HDMI Standby Through Off
"LAST"	sets HDMI Standby Through Last
"AT"	sets HDMI Standby Through Auto
"ATE"	sets HDMI Standby Through Auto(Eco)
"UP"	sets HDMI Standby Through Wrap-Around
"QSTN"	gets The HDMI Standby Through State
<b>"PQL" - PQLS</b>	
"00"	sets PQLS Off
"01"	sets PQLS On
"UP"	sets PQLS Wrap-Around
"QSTN"	gets The PQLS State
<b>"ARC" - Audio Return Channel</b>	
"00"	sets Audio Return Channel Off
"01"	sets Audio Return Channel Auto
"UP"	sets Audio Return Channel Wrap-Around
"QSTN"	gets The Audio Return Channel State
<b>"LPS" - Lip Sync / Auto Delay</b>	
"00"	sets Lip Sync Off
"01"	sets Lip Sync On
"UP"	sets Lip Sync Wrap-Around
"QSTN"	gets The Lip Sync State
<b>"APD" - Auto Power Down</b>	
"00"	sets Auto Power Down Off
"01"	sets Auto Power Down On
"UP"	sets Auto Power Down Wrap-Around
"QSTN"	gets The Auto Power Down State
<b>"PAM" - Pre Amp Mode / AMP Mode</b>	
"00"	sets Pre Amp Mode Off
"01"	sets Pre Amp Mode Front
"03"	sets Pre Amp Mode Front+Center
"07"	sets Pre Amp Mode All
"UP"	sets Auto Power Down Wrap-Around

**Main-related Command Support List**

Code	Means
"QSTN"	gets The Auto Power Down State
<b>"ECO" - for Smart Grid Command</b>	
"01"	sets Volume 1dB down and Dimmer Level "Dark"
"03"	sets Volume 3dB down and Dimmer Level "Dark"
"06"	sets Volume 6dB down and Dimmer Level "Dark"
<b>"FWV" - Firmware Version</b>	
abce-fhik-lmno-qrtu	sets Firmware Version
"QSTN"	gets The Firmware Version State
<b>"UPD" - Update</b>	
"NET"	start Device Update via Network
"USB"	start Device Update via USB
"D**-nn"	nn Progress (%) **=DL Downloading **=NT Arm writing **=D1 DSP1 **=D2 DSP2 **=D3 DSP3 **=VM VMPU **=OS OSD **=MP MMPU  Progress表示に対応していない場合は下記文字列固定とする xx-xx
"CMP"	Device Update is completed
"Exx-yy"	xx=ErrorCode1 yy=ErrorCode2
"00"	not exist new firmware
"01"	exist new firmware
"02"	exist new firmware(force)
"QSTN"	gets exist new firmware
<b>"POP" - Popup Message</b>	
"t----->"	t -> message type 'X': XML ----- -> reserved <-----> : XML data ( [CR] and [LF] are removed )
"Ulllt<----->"	U : UI Type 0 : List, 1 : Menu, 2 : Playback, 3 : Popup, 4 : Keyboard, 5 : M ll -> number of layer (00-FF) t : Update Type 0 : All, 1 : Button, 2 : Textbox, 3 : Listbox <-----> : XML data ( [CR] and [LF] are removed )
Please refer to sheets of popup xml, custom popup, overlay popup, and disclaimer Line Separator : " - " (0x20, 0xC2, 0xB7, 0x20) [UTF-8 encoded]	
<b>"TPD" - Temperature Data</b>	
"F-99C-99" "F999C999"	The temperature Data(Fahrenheit and Celsius) 0 – 999 "F-99C-73": -99 degree Fahrenheit / -73 degree Celsius "F 32C 0": 32 degree Fahrenheit / 0 degree Celsius "F 41C 5": 41 degree Fahrenheit / 5 degree Celsius "F 50C 10": 50 degree Fahrenheit / 10 degree Celsius "F122C 50": 122 degree Fahrenheit / 50 degree Celsius "F212C100": 212 degree Fahrenheit / 100 degree Celsius "F302C150": 302 degree Fahrenheit / 150 degree Celsius  Reference Information: [TX-NR474/NR575E/8270/NR575/NR676/NR676E/RZ620/NR 777/RZ720/RZ820, DTM-7, DRX-2.1/3.1/4.1/5.1 VSX-832/932/LX102/LX302] Yellow Zone: "F150C 66" or more & "F210C 99" or less Red Zone:" F212C100" or more [TX-RZ920, DRX-7.1/R1.1, DRC-R1.1] Yellow Zone: "F176C 80" or more & "F246C119" or less Red Zone: "F248C120" or more
"QSTN"	gets the Temperature Data
<b>"TUN" - Tuning Command (Include Tuner Pack Model Only)</b>	
"nnnnn"	sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz / SR nnnnn ch) put 0 in the first two digits of nnnnn at SR
"BAND"	Change BAND
"DIRECT"	starts/restarts Direct Tuning Mode
"0"	sets 0 in Direct Tuning Mode
"1"	sets 1 in Direct Tuning Mode
"2"	sets 2 in Direct Tuning Mode
"3"	sets 3 in Direct Tuning Mode
"4"	sets 4 in Direct Tuning Mode
"5"	sets 5 in Direct Tuning Mode
"6"	sets 6 in Direct Tuning Mode
"7"	sets 7 in Direct Tuning Mode
"8"	sets 8 in Direct Tuning Mode
"9"	sets 9 in Direct Tuning Mode
"UP"	sets Tuning Frequency Wrap-Around Up
"DOWN"	sets Tuning Frequency Wrap-Around Down
"QSTN"	gets The Tuning Frequency
Ex: FM 100.5 MHz(100/200kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][11] Ex: FM 100.55 MHz(50kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][1TUN] Ex: FM 90.0 MHz(100kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][11TUN9] Ex: FM 90.00 MHz(50kHz Step) Direct Tuning is [1SLI24][1TUNDIRECT][11TUN9] Ex: AM 1230 kHz(10kHz Step) Direct Tuning is [1SLI25][1TUNDIRECT][11TUN1][1] Ex: AM 1341 kHz(9kHz Step) Direct Tuning is [1SLI25][1TUNDIRECT][11TUN1][11]	
<b>"PRS" - Preset Command (Include Tuner Pack Model Only)</b>	
"01"- "28"	sets Preset No. 1 - 40 ( In hexadecimal representation)
"01"- "1E"	sets Preset No. 1 - 30 ( In hexadecimal representation)
"UP"	sets Preset No. Wrap-Around Up
"DOWN"	sets Preset No. Wrap-Around Down
"QSTN"	gets The Preset No.
<b>"PRM" - Preset Memory Command (Include Tuner Pack Model Only)</b>	
"01"- "28"	sets Preset No. 1 - 40 ( In hexadecimal representation)
"01"- "1E"	sets Preset No. 1 - 30 ( In hexadecimal representation)
<b>"RDS" - RDS Information Command (RDS Model Only)</b>	
"00"	Display RT Information*1

**Main-related Command Support List**

Code	Means
"01"	Display PTY Information
"02"	Display TP Information
"UP"	Display RDS Information Wrap-Around Change
<b>"PTS" - PTY Scan Command (RDS Model Only)</b>	
"01"- "1D"	sets PTY No "1 - 29" ( In hexadecimal representation)
"ENTER"	Finish PTY Scan
<b>"TPS" - TP Scan Command (RDS Model Only)</b>	
" "	Start TP Scan (When Don't Have Parameter)
"ENTER"	Finish TP Scan
<b>"XCN" - XM Channel Name Info (XM Model Only)</b>	
"nnnnnnnnnn"	XM Channel Name
"QSTN"	gets XM Channel Name
<b>"XAT" - XM Artist Name Info (XM Model Only)</b>	
"nnnnnnnnnn"	XM Artist Name
"QSTN"	gets XM Artist Name
<b>"XTI" - XM Title Info (XM Model Only)</b>	
"nnnnnnnnnn"	XM Title
"QSTN"	gets XM Title
<b>"XCH" - XM Channel Number Command (XM Model Only)</b>	
"000"- "255"	XM Channel Number "000 - 255"
"UP"	sets XM Channel Wrap-Around Up
"DOWN"	sets XM Channel Wrap-Around Down
"QSTN"	gets XM Channel Number
<b>"XCT" - XM Category Command (XM Model Only)</b>	
"nnnnnnnnnn"	XM Category Info
"UP"	sets XM Category Wrap-Around Up
"DOWN"	sets XM Category Wrap-Around Down
"QSTN"	gets XM Category
<b>"SCN" - SIRIUS Channel Name Info (SIRIUS Model Only)</b>	
"nnnnnnnnnn"	SIRIUS Channel Name
"QSTN"	gets SIRIUS Channel Name
<b>"SAT" - SIRIUS Artist Name Info (SIRIUS Model Only)</b>	
"nnnnnnnnnn"	SIRIUS Artist Name
"QSTN"	gets SIRIUS Artist Name
<b>"STI" - SIRIUS Title Info (SIRIUS Model Only)</b>	
"nnnnnnnnnn"	SIRIUS Title
"QSTN"	gets SIRIUS Title
<b>"SCH" - SIRIUS Channel Number Command (SIRIUS Model Only)</b>	
"000"- "255"	SIRIUS Channel Number "000 - 255"
"UP"	sets SIRIUS Channel Wrap-Around Up
"DOWN"	sets SIRIUS Channel Wrap-Around Down
"QSTN"	gets SIRIUS Channel Number
<b>"SCT" - SIRIUS Category Command (SIRIUS Model Only)</b>	
"nnnnnnnnnn"	SIRIUS Category Info
"UP"	sets SIRIUS Category Wrap-Around Up
"DOWN"	sets SIRIUS Category Wrap-Around Down
"QSTN"	gets SIRIUS Category
<b>"SLK" - SIRIUS Parental Lock Command (SIRIUS Model Only)</b>	
"nnnn"	Lock Password (4Digits)
"INPUT"	displays "Please input the Lock password"
"WRONG"	displays "The Lock password is wrong"
<b>"HAT" - HD Radio Artist Name Info (HD Radio Model Only)</b>	
"nnnnnnnnnn"	HD Radio Artist Name (variable-length, 64 digits max)
"QSTN"	gets HD Radio Artist Name
<b>"HCN" - HD Radio Channel Name Info (HD Radio Model Only)</b>	
"nnnnnnnnnn"	HD Radio Channel Name (Station Name) (7 digits)
"QSTN"	gets HD Radio Channel Name
<b>"HTI" - HD Radio Title Info (HD Radio Model Only)</b>	
"nnnnnnnnnn"	HD Radio Title (variable-length, 64 digits max)
"QSTN"	gets HD Radio Title
<b>"HDS" - HD Radio Detail Info (HD Radio Model Only)</b>	
"nnnnnnnnnn"	HD Radio Title
"QSTN"	gets HD Radio Title
<b>"HPR" - HD Radio Channel Program Command (HD Radio Model Only)</b>	
"01"- "08"	sets directly HD Radio Channel Program
"QSTN"	gets HD Radio Channel Program
<b>"HBL" - HD Radio Blend Mode Command (HD Radio Model Only)</b>	
"00"	sets HD Radio Blend Mode "Auto"
"01"	sets HD Radio Blend Mode "Analog"
"QSTN"	gets the HD Radio Blend Mode Status
<b>"HTS" - HD Radio Tuner Status (HD Radio Model Only)</b>	
"mmnnoo"	HD Radio Tuner Status (3 bytes) mm -> "00" not HD, "01" HD nn -> current Program "01"- "08" oo -> receivable Program (8 bits are represented in hexadecimal)
"QSTN"	gets the HD Radio Tuner Status
The TUNER/XM/SIRIUS/HD Radio function is shared by the MAIN and ZONE side.	
*1:RDS information Command in RBDS Model, is only available Display RT inform	
<b>"BCS" - Battery Charge Status Command (Battery Model Only)</b>	
"00"	charging
"01"	charge completed
"10"	battery level Low
"11"	battery level Middle
"12"	battery level High
"QSTN"	gets battery charge status
<b>"CCD" - CD Player Operation Command (Include CD Function Model C</b>	
"PLAY"	PLAY
"STOP"	STOP
"PAUSE"	PAUSE
"SKIP.F"	>>1
"SKIP.R"	1<<
"REPEAT"	REPEAT
"RANDOM"	RANDOM

Main-related Command Support List

Code	Means
"CST" - CD Play Status	
"prs"	CD Play Status (3 letters) p -> Play Status: "S": STOP, "P": Play, "p": Pause, "F": FF, "R": r -> Repeat Status: "-": Off, "R": All, "1": Repeat 1 s -> Shuffle(Random) Status: "-": Off, "S": All
"OSTN"	gets CD Play Status
"DST" - Current disc status notice	
"00"	No disc
"04"	Audio CD
"07"	MP3 CD
"FF"	Unknown
"QSTN"	gets Disc Status
"CFS" - Current Folder Status (No.)	
"001"~"099"	Folder Number
"QSTN"	gets Folder Number Info
"CTS" - Current Track Status (No.)	
"001"~"499"	Track Number
"QSTN"	gets Track Number Info
"CTM" - CD Time Info	
"mm:ss:mm:ss"	CD Time Info (Elapsed time/Track Time Max 99:59)
"QSTN"	gets CD Time Info
"SCE" - Set CD Elapsed Time	
"mm:ss"	Specified Elapsed CD Time
DSN - DAB Station Name	
xx...xx	xx...xx : DAB Station Name (UTF-8) 下記文字は特殊コードで送信する 0x02 : ← 0x03 : ↑ 0x04 : → 0x05 : ↓ 0x06 :    上記以外の0x00~0x1F、0x80~0xA0はスペース表示とする
"QSTN"	gets Station Name