Marantz RS-232C/IP Command Chart
Item: FY17 AV Receiver

Last Update: 1-Dec-17 (Refer to "Revision")
Issued by: Marantz America, LLC.

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This pink color's cell = New assined code

COMMAND PARAMETER list

Function			COMMAND	Parameter command	Command example	Response code example	FY17AVR AV8805	SR8012	AV7704	SR7012	SR6012	SR5012	NR1608	NR1508	Notes:
System	**POWER**	POWER ON/STANDBY change	PW	ON	PWON<CR>	<-	X	X	X	X	X	X	X	X	
				STANDBY	PWSTANDBY<CR>	<-	X	X	X	X	X	X	X	X	
		Request Power Status		?	PW?<CR>		X	X	X	X	X	X	X	X	
MAIN ZONE	**POWER**	MAIN-ZONE ON/OFF change	ZM	ON	ZMON<CR>	<-	X	X	X	X	X	X	X	X	
				OFF	ZMOFF<CR>	<-	X	X	X	X	X	X	X	X	
		Request Main Zone Power Status		?	ZM?<CR>	<-	X	X	X	X	X	X	X	X	
	Volume	MASTER VOLUME UP/DOWN , direct change to **dB	MV	UP	MVUP<CR>	MV80<CR>	X	X	X	X	X	X	X	X	
		**:00 to 98 by ASCII , 80=0dB, 00=---(MIN)		DOWN	MVDOWN<CR>	MV80<CR>	X	X	X	X	X	X	X	X	
	Direct Volume			**	MV80<CR>	<-	X	X	X	X	X	X	X	X	
		Request Master Volume Status		?	MV?<CR>	MV80<CR>	X	X	X	X	X	X	X	X	
	Channel Volume FL	CHANNEL VOLUME UP/DOWN . direct change to **dB	CV	FL UP	CVFL UP<CR>	CVFL 50<CR>	X	X	X	X	X	X	X	X	
		---FRONT Lch		FL DOWN	CVFL DOWN<CR>	CVFL 50<CR>	X	X	X	X	X	X	X	X	
		**:38 to 62 by ASCII , 50=0dB		FL **	CVFL 50<CR>	<-	X	X	X	X	X	X	X	X	
	Channel Volume FR			FR UP	CVFR UP<CR>	CVFR 50<CR>	X	X	X	X	X	X	X	X	
		---FRONT Rch		FR DOWN	CVFR DOWN<CR>	CVFR 50<CR>	X	X	X	X	X	X	X	X	
		**:38 to 62 by ASCII , 50=0dB		FR **	CVFR 50<CR>	<-	X	X	X	X	X	X	X	X	
	Channel Volume C			C UP	CVC UP<CR>	CVC 50<CR>	X	X	X	X	X	X	X	X	
		---CENTERch		C DOWN	CVC DOWN<CR>	CVC 50<CR>	X	X	X	X	X	X	X	X	
		**:38 to 62 by ASCII , 50=0dB		C **	CVC 50<CR>	<-	X	X	X	X	X	X	X	X	
	Channel Volume SW			SW UP	CVSW UP<CR>	CVSW 50<CR>	X	X	X	X	X	X	X	X	
		---SUBWOOFER 1 ch		SW DOWN	CVSW DOWN<CR>	CVSW 50<CR>	X	X	X	X	X	X	X	X	
		**:00,38 to 62 by ASCII , 50=0dB,00=OFF		SW **	CVSW 50<CR>	<-	X	X	X	X	X	X	X	X	
	Channel Volume SW 2			SW2 UP	CVSW2 UP<CR>	CVSW2 50<CR>	X	X	X	X	X	---	---	---	
		---SUBWOOFER 2 ch		SW2 DOWN	CVSW2 DOWN<CR>	CVSW2 50<CR>	X	X	X	X	X	---	---	---	
		**:00,38 to 62 by ASCII , 50=0dB,00=OFF		SW2 **	CVSW2 50<CR>	<-	X	X	X	X	X	---	---	---	
	Channel Volume SL			SL UP	CVSL UP<CR>	CVSL 50<CR>	X	X	X	X	X	X	X	X	
		---SURROUND Lch		SL DOWN	CVSL DOWN<CR>	CVSL 50<CR>	X	X	X	X	X	X	X	X	
		**:38 to 62 by ASCII , 50=0dB		SL **	CVSL 50<CR>	<-	X	X	X	X	X	X	X	X	
	Channel Volume SR			SR UP	CVSR UP<CR>	CVSR 50<CR>	X	X	X	X	X	X	X	X	
		---SURROUND Rch		SR DOWN	CVSR DOWN<CR>	CVSR 50<CR>	X	X	X	X	X	X	X	X	
		**:38 to 62 by ASCII , 50=0dB		SR **	CVSR 50<CR>	<-	X	X	X	X	X	X	X	X	
	Channel Volume SBL	---SURROUND BACK Lch (SBch 2SP)		SBL UP	CVSBL UP<CR>	CVSBL 50<CR>	X	X	X	X	X	X	X	---	
				SBL DOWN	CVSBL DOWN<CR>	CVSBL 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		SBL **	CVSBL 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume SBR	---SURROUND BACK Rch (SBch 2SP)		SBR UP	CVSBR UP<CR>	CVSBR 50<CR>	X	X	X	X	X	X	X	---	
				SBR DOWN	CVSBR DOWN<CR>	CVSBR 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		SBR **	CVSBR 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume SB	---SURROUND BACK ch (SBch 1SP)		SB UP	CVSB UP<CR>	CVSB 50<CR>	X	X	X	X	X	X	X	---	
				SB DOWN	CVSB DOWN<CR>	CVSB 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		SB **	CVSB 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume FHL	---FRONT HEIGHT Lch		FHL UP	CVFHL UP<CR>	CVFHL 50<CR>	X	X	X	X	X	X	X	---	
				FHL DOWN	CVFHL DOWN<CR>	CVFHL 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		FHL **	CVFHL 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume FHR	---FRONT HEIGHT Rch		FHR UP	CVFHR UP<CR>	CVFHR 50<CR>	X	X	X	X	X	X	X	---	
				FHR DOWN	CVFHR DOWN<CR>	CVFHR 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		FHR **	CVFHR 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume FWL	---FRONT WIDE Lch		FWL UP	CVFWL UP<CR>	CVFWL 50<CR>	---	---	---	---	---	---	---	---	
				FWL DOWN	CVFWL DOWN<CR>	CVFWL 50<CR>	---	---	---	---	---	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		FWL **	CVFWL 50<CR>	<-	---	---	---	---	---	---	---	---	
	Channel Volume FWR	---FRONT WIDE Rch		FWR UP	CVFWR UP<CR>	CVFWR 50<CR>	---	---	---	---	---	---	---	---	
				FWR DOWN	CVFWR DOWN<CR>	CVFWR 50<CR>	---	---	---	---	---	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		FWR **	CVFWR 50<CR>	<-	---	---	---	---	---	---	---	---	
	Channel Volume TFL	---TOP FRONT Lch		TFL UP	CVTFL UP<CR>	CVTFL 50<CR>	X	X	X	X	X	X	X	---	
				TFL DOWN	CVTFL DOWN<CR>	CVTFL 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		TFL **	CVTFL 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume TFR	---TOP FRONT Rch		TFR UP	CVTFR UP<CR>	CVTFR 50<CR>	X	X	X	X	X	X	X	---	
				TFR DOWN	CVTFR DOWN<CR>	CVTFR 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		TFR **	CVTFR 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume TML	---TOP MIDDLE Lch		TML UP	CVTML UP<CR>	CVTML 50<CR>	X	X	X	X	X	X	X	---	
				TML DOWN	CVTML DOWN<CR>	CVTML 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		TML **	CVTML 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume TMR	---TOP MIDDLE Rch		TMR UP	CVTMR UP<CR>	CVTMR 50<CR>	X	X	X	X	X	X	X	---	
				TMR DOWN	CVTMR DOWN<CR>	CVTMR 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		TMR **	CVTMR 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume TRL	---TOP REAR Lch		TRL UP	CVTRL UP<CR>	CVTRL 50<CR>	X	X	X	X	X	---	---	---	
				TRL DOWN	CVTRL DOWN<CR>	CVTRL 50<CR>	X	X	X	X	X	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		TRL **	CVTRL 50<CR>	<-	X	X	X	X	X	---	---	---	
	Channel Volume TRR	---TOP REAR Rch		TRR UP	CVTRR UP<CR>	CVTRR 50<CR>	X	X	X	X	X	---	---	---	
				TRR DOWN	CVTRR DOWN<CR>	CVTRR 50<CR>	X	X	X	X	X	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		TRR **	CVTRR 50<CR>	<-	X	X	X	X	X	---	---	---	
	Channel Volume RHL	---REAR HEIGHT Lch		RHL UP	CVRHL UP<CR>	CVRHL 50<CR>	X	X	X	X	X	---	---	---	
				RHL DOWN	CVRHL DOWN<CR>	CVRHL 50<CR>	X	X	X	X	X	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		RHL **	CVRHL 50<CR>	<-	X	X	X	X	X	---	---	---	
	Channel Volume RHR	---REAR HEIGHT Rch		RHR UP	CVRHR UP<CR>	CVRHR 50<CR>	X	X	X	X	X	---	---	---	
				RHR DOWN	CVRHR DOWN<CR>	CVRHR 50<CR>	X	X	X	X	X	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		RHR **	CVRHR 50<CR>	<-	X	X	X	X	X	---	---	---	
	Channel Volume FDL	---FRONT DOLBY Lch		FDL UP	CVFDL UP<CR>	CVFDL 50<CR>	X	X	X	X	X	X	X	---	
				FDL DOWN	CVFDL DOWN<CR>	CVFDL 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		FDL **	CVFDL 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume FDR	---FRONT DOLBY Rch		FDR UP	CVFDR UP<CR>	CVFDR 50<CR>	X	X	X	X	X	X	X	---	
				FDR DOWN	CVFDR DOWN<CR>	CVFDR 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		FDR **	CVFDR 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume SDL	---SURROUND DOLBY Lch		SDL UP	CVSDL UP<CR>	CVSDL 50<CR>	X	X	X	X	X	X	X	---	
				SDL DOWN	CVSDL DOWN<CR>	CVSDL 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		SDL **	CVSDL 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume SDR	---SURROUND DOLBY Rch		SDR UP	CVSDR UP<CR>	CVSDR 50<CR>	X	X	X	X	X	X	X	---	
				SDR DOWN	CVSDR DOWN<CR>	CVSDR 50<CR>	X	X	X	X	X	X	X	---	
		**:38 to 62 by ASCII , 50=0dB		SDR **	CVSDR 50<CR>	<-	X	X	X	X	X	X	X	---	
	Channel Volume BDL	---BACK DOLBY Lch		BDL UP	CVBDL UP<CR>	CVBDL 50<CR>	X	X	X	X	X	---	---	---	
				BDL DOWN	CVBDL DOWN<CR>	CVBDL 50<CR>	X	X	X	X	X	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		BDL **	CVBDL 50<CR>	<-	X	X	X	X	X	---	---	---	
	Channel Volume BDR	---BACK DOLBY Rch		BDR UP	CVBDR UP<CR>	CVBDR 50<CR>	X	X	X	X	X	---	---	---	
				BDR DOWN	CVBDR DOWN<CR>	CVBDR 50<CR>	X	X	X	X	X	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		BDR **	CVBDR 50<CR>	<-	X	X	X	X	X	---	---	---	
	Channel Volume SHL	---SURROUND HEIGHT Lch		SHL UP	CVSHL UP<CR>	CVSHL 50<CR>	X	X	X	X	---	---	---	---	
				SHL DOWN	CVSHL DOWN<CR>	CVSHL 50<CR>	X	X	X	X	---	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		SHL **	CVSHL 50<CR>	<-	X	X	X	X	---	---	---	---	
	Channel Volume SHR	---SURROUND HEIGHT Rch		SHR UP	CVSHR UP<CR>	CVSHR 50<CR>	X	X	X	X	---	---	---	---	
				SHR DOWN	CVSHR DOWN<CR>	CVSHR 50<CR>	X	X	X	X	---	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		SHR **	CVSHR 50<CR>	<-	X	X	X	X	---	---	---	---	
	Channel Volume TS	---TOP SURROUND		TS UP	CVTS UP<CR>	CVTS 50<CR>	X	X	X	X	---	---	---	---	
				TS DOWN	CVTS DOWN<CR>	CVTS 50<CR>	X	X	X	X	---	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		TS **	CVTS 50<CR>	<-	X	X	X	X	---	---	---	---	
	Channel Volume CH	**---CENTER HEIGHT**		CH UP	CVCH UP<CR>	CVCH 50<CR>	X	---	---	---	---	---	---	---	
				CH DOWN	CVCH DOWN<CR>	CVCH 50<CR>	X	---	---	---	---	---	---	---	
		:38 to 62 by ASCII , 50=0dB		CH **	CVCH**<CR>	<-	X	---	---	---	---	---	---	---	
	Ch. Vol Reset	Reset all channel level to the factory defaults		ZRL	CVZRL<CR>	CVFL 50<CR> : : CVFEND<CR>	X	X	X	X	X	X	X	X	
		Request All Channel Volume Status		?	CV?<CR>	※Only the speaker which there is on the speaker configration replies (e.g.) CVFL 62<CR> : : **CVEND<CR>**	X	X	X	X	X	X	X	X	
	Mute	OUTPUT MUTE ON/OFF change	MU	ON	MUON<CR>	<-	X	X	X	X	X	X	X	X	
				OFF	MUOFF<CR>	<-	X	X	X	X	X	X	X	X	
		Request Mute Status		?	MU?<CR>		X	X	X	X	X	X	X	X	
	Input	Select INPUT source	SI	PHONO	SIPHONO<CR>	<-	X	X	X	X	X	---	---	---	

			CD	SICD<CR>	<-	X	X	X	X	X	X	X	X	
			DVD	SIDVD<CR>	<-	X	X	X	X	X	X	X	---	
			BD	SIBD<CR>	<-	X	X	X	X	X	X	X	X (Blu-ray-DVD)	
			TV	SITV<CR>	<-	X	X	X	X	X	X	X	X	
		CBL/SAT	SAT/CBL	SISAT/CBL <CR>	<-	X	X	X	X	X	X	X	X	
		MEDIA PLAYER	MPLAY	SIMPLAY<CR>	<-	X	X	X	X	X	X	X	X	
			GAME	SIGAME<CR>	<-	X	X	X	X	X	X	X	X	
			TUNER	SITUNER<CR>	<-	X	X	X	X	X	X	X	X	
		HDRADIO (@3: North America model Only)	HDRADIO	SIHDRADIO<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		(@3: North America model Only)	SIRIUSXM	SISIRIUSXM<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		(@3: North America model Only)	PANDORA	SIPANDORA<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		Internet Radio	IRADIO	SIIRADIO<CR>	<-	---	---	---	---	---	---	---	---	
			SERVER	SISERVER<CR>	<-	---	---	---	---	---	---	---	---	
			FAVORITES	SIFAVORITES<CR>	<-	---	---	---	---	---	---	---	---	
			AUX1	SIAUX1<CR>	<-	X	X	X	X	X	X	X	X	
			AUX2	SIAUX2<CR>	<-	X	X	X	X	X	X	X	---	
			AUX3	SIAUX3<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX4	SIAUX4<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX5	SIAUX5<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX6	SIAUX6<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX7	SIAUX7<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
		HEOS Music	NET	SINET<CR>	<-	X	X	X	X	X	X	X	X	
		Bluetooth	BT	SIBT<CR>	<-	X	X	X	X	X	X	X	X	
			M-XPORT	SIMXPORT<CR>	<-	---	---	---	---	---	---	---	---	
			USB/IPOD	SIUSB/IPOD<CR>	SIUSB/IPOD<CR>	---	---	---	---	---	---	---	---	
		Select INPUT source iPod/USB and USB Start Playback	USB	SIUSB<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source iPod/USB and iPod DIRECT Start Playback	IPD	SIIPD<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source Internet Radio and Recent Plav	IRP	SIIRP<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source Online Music and Favorites Play	FVP	SIFVP<CR>	<-	---	---	---	---	---	---	---	---	
		Request Input Source Status	?	SI?<CR>		X	X	X	X	X	X	X	X	
Smart Select	Smart Select 1-5 call	MS	SMART1	MSSMART1<CR>	<-	X	X	X	X	X	X	X	X	
			SMART2	MSSMART2<CR>	<-	X	X	X	X	X	X	X	X	
			SMART3	MSSMART3<CR>	<-	X	X	X	X	X	X	X	X	
			SMART4	MSSMART4<CR>	<-	X	X	X	X	X	X	X	X	
			SMART5	MSSMART5<CR>	<-	X	X	X	X	X	X	X	X	
	Smart Select 1-5 memorv		SMART1 MEMORY	MSSMART1 MEMORY<CR>	<-	X	X	X	X	X	X	X	X	
			SMART2 MEMORY	MSSMART2 MEMORY<CR>	<-	X	X	X	X	X	X	X	X	
			SMART3 MEMORY	MSSMART3 MEMORY<CR>	<-	X	X	X	X	X	X	X	X	
			SMART4 MEMORY	MSSMART4 MEMORY<CR>	<-	X	X	X	X	X	X	X	X	
			SMART5 MEMORY	MSSMART5 MEMORY<CR>	<-	X	X	X	X	X	X	X	X	
	(cancel smart seelct)				MSSMART0<CR>	X	X	X	X	X	X	X	X	
	Request Smart Select Status		SMART ?	MSSMART ?<CR>	<-	X	X	X	X	X	X	X	X	
Audio Inout mode	set AUTO mode (Priority:HDMI>>DIGITAL>>ANALOG)	SD	AUTO	SDAUTO<CR>	<-	X	X	X	X	X	X	X	X	
	set force HDMI INPUT mode		HDMI	SDHDMI<CR>	<-	X	X	X	X	X	X	X	X	
	set force DIGITAL INPUT (Optical,Coaxial) mode		DIGITAL	SDDIGITAL<CR>	<-	X	X	X	X	X	X	X	X	
	set force ANALOG INPUT mode		ANALOG	SDANALOG<CR>	<-	X	X	X	X	X	X	X	X	
	---Set 7.1CH IN mode		7.1IN	SD7.1IN<CR>	<-	X	X	X	X	X	X	---	---	
	---When no input		NO	SDNO<CR>	<-	X	X	X	X	X	X	---	---	
	Request Audio Inout Mode Status		?	SD?<CR>		X	X	X	X	X	X	X	X	
					SDARC<CR>	X	X	X	X	X	X	X	X	EVENT only
					SDNO<CR>	X	X	X	X	X	X	X	X	EVENT only
Video Select	VIDEO SELECT mode set , and select source	SV	DVD	SVDVD<CR>	<-	X	X	X	X	X	X	X	---	
			BD	SVBD<CR>	<-	X	X	X	X	X	X	X	X	
			TV	SVTV<CR>	<-	X	X	X	X	X	X	X	X	
		CBL/SAT	SAT/CBL	SVSAT/CBL<CR>	<-	X	X	X	X	X	X	X	X	
		MEDIA PLAYER	MPLAY	SVMPLAY<CR>	<-	X	X	X	X	X	X	X	X	
			GAME	SVGAME<CR>	<-	X	X	X	X	X	X	X	X	
			AUX1	SVAUX1<CR>	<-	X	X	X	X	X	X	X	X	
			AUX2	SVAUX2<CR>	<-	X	X	X	X	X	X	X	---	
			AUX3	SVAUX3<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX4	SVAUX4<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX5	SVAUX5<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX6	SVAUX6<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			AUX7	SVAUX7<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
			CD	SVCD<CR>	<-	X	X	X	X	X	X	X	X	
			SOURCE	SVSOURCE<CR>	<-	---	---	---	---	---	---	---	---	
	VIDEO SELECT mode set to ON		ON	SVON<CR>	<-	X	X	X	X	X	X	X	X	
	VIDEO SELECT mode set to OFF		OFF	SVOFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request Video Select Status		?	SV?<CR>		X	X	X	X	X	X	X	X	
Auto Standby	MAIN ZONE Auto Standby setting	STBY	15M	STBY15M<CR>	<-	X	X	X	X	X	X	X	X	
			30M	STBY30M<CR>	<-	X	X	X	X	X	X	X	X	
			60M	STBY60M<CR>	<-	X	X	X	X	X	X	X	X	
			OFF	STBYOFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request Main Zone Auto Standby Status		?	STBY?<CR>		X	X	X	X	X	X	X	X	
ECO	ECO mode setting	ECO	ON	ECOON<CR>	<-	X	X	---	X	X	X	X	X	
			AUTO	ECOAUTO<CR>	<-	X	X	---	X	X	X	X	X	
			OFF	ECOOFF<CR>	<-	X	X	---	X	X	X	X	X	
	Request ECO mode Status		?	ECO?<CR>		X	X	---	X	X	X	X	X	
Sleep	MAIN ZONE SLEEP TIMER setting	SLP	OFF	SLPOFF<CR>	<-	X	X	X	X	X	X	X	X	
	***:001 to 120 by ASCII , 010=10min		***	SLP***<CR>	SLP010<CR>	X	X	X	X	X	X	X	X	
	Request Sleep Status		?	SLP?<CR>	(Reply remain time)	X	X	X	X	X	X	X	X	
Surround mode	Select SURROUND mode	MS	MOVIE	MSMOVIE<CR>	<-	X	X	X	X	X	X	X	X	
			MUSIC	MSMUSIC<CR>	<-	X	X	X	X	X	X	X	X	
			GAME	MSGAME<CR>	<-	X	X	X	X	X	X	X	X	
			DIRECT	MSDIRECT<CR>	<-	X	X	X	X	X	X	X	X	
			PURE DIRECT	MSPURE DIRECT<CR>	<-	X	X	X	X	X	X	X	X	
			STEREO	MSSTEREO<CR>	<-	X	X	X	X	X	X	X	X	
			AUTO	MSAUTO<CR>	<-	X	X	X	X	X	X	X	X	
			NEURAL	MSNEURAL<CR>	<-	---	---	---	---	---	---	---	---	
			STANDARD	MSSTANDARD<CR>	<-	---	---	---	---	---	---	---	---	
			DOLBY DIGITAL	MSDOLBY DIGITAL<CR>	<-	X	X	X	X	X	X	X	X	
					MSDOLBY PRO LOGIC<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY PL2 C<CR>	---	---	---	---	---	---	---	X	
					MSDOLBY PL2 M<CR>	---	---	---	---	---	---	---	X	
					MSDOLBY PL2 G<CR>	---	---	---	---	---	---	---	X	
					MSDOLBY PL2X C<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY PL2X M<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY PL2X G<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY PL2Z H<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY SURROUND<CR>	X	X	X	X	X	X	X	---	
					MSDOLBY ATMOS<CR>	X	X	X	X	X	X	X	---	
					MSDOLBY DIGITAL<CR>	X	X	X	X	X	X	X	X	
					MSDOLBY D EX<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+PL2X C<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+PL2X M<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+PL2Z H<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+DS<CR>	X	X	X	X	X	X	X	---	
					MSDOLBY D+NEO:X C<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+NEO:X M<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+NEO:X G<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+NEURAL:X<CR>	X	X	X	X	X	X	X	---	
					MSDOLBY D+<CR>	X	X	X	X	X	X	X	X	
					MSDOLBY D+ +EX<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+ +PL2X C<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+ +PL2X M<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+ +PL2Z H<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+ +DS<CR>	X	X	X	X	X	X	X	---	
					MSDOLBY D+ +NEO:X C<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+ +NEO:X M<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+ +NEO:X G<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY D+ +NEURAL:X<CR>	X	X	X	X	X	X	X	---	
					MSDOLBY HD<CR>	X	X	X	X	X	X	X	X	Dolby TrueHD
					MSDOLBY HD+EX<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY HD+PL2X C<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY HD+PL2X M<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY HD+PL2Z H<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY HD+DS<CR>	X	X	X	X	X	X	X	---	
					MSDOLBY HD+NEO:X C<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY HD+NEO:X M<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY HD+NEO:X G<CR>	---	---	---	---	---	---	---	---	
					MSDOLBY HD+NEURAL:X<CR>	X	X	X	X	X	X	X	---	
			DTS SURROUND	MSDTS SURROUND<CR>	<-	X	X	X	X	X	X	X	X	
					MSDTS NEO:6 C<CR>	---	---	---	---	---	---	---	X	
					MSDTS NEO:6 M<CR>	---	---	---	---	---	---	---	X	
					MSDTS NEO:X C<CR>	---	---	---	---	---	---	---	---	
					MSDTS NEO:X M<CR>	---	---	---	---	---	---	---	---	
					MSDTS NEO:X G<CR>	---	---	---	---	---	---	---	---	
					MSNEURAL:X<CR>	X	X	X	X	X	X	X		
					MSVIRTUAL:X<CR>	X	---	---	---	---	---	---	---	
					MSDTS SURROUND<CR>	X	X	X	X	X	X	X	X	

						MSDTS ES DSCRT6.1<CR>	X	X	X	X	X	X	X	---	
						MSDTS ES MTRX6.1<CR>	X	X	X	X	X	X	X	---	
						MSDTS+PL2X C<CR>	---	---	---	---	---	---	---	---	
						MSDTS+PL2X M<CR>	---	---	---	---	---	---	---	---	
						MSDTS+PL2Z H<CR>	---	---	---	---	---	---	---	---	
						MSDTS+DS<CR>	X	X	X	X	X	X	X	---	
						MSDTS+NEO:6<CR>	---	---	---	---	---	---	---	---	
						MSDTS+NEO:X C<CR>	---	---	---	---	---	---	---	---	
						MSDTS+NEO:X M<CR>	---	---	---	---	---	---	---	---	
						MSDTS+NEO:X G<CR>	---	---	---	---	---	---	---	---	
						MSDTS+NEURAL:X<CR>	X	X	X	X	X	X	X	---	
						MSDTS+VIRTUAL:X	X	---	---	---	---	---	---	---	
						MSDTS ES MTRX+NEURAL:X<CR>	X	X	X	X	X	X	X	---	
						MSDTS ES DSCRT+NEURAL:X<CR>	X	X	X	X	X	X	X	---	
						MSDTS96/24<CR>	X	X	X	X	X	X	X	X	
						MSDTS96 ES MTRX<CR>	X	X	X	X	X	X	X	---	
						MSDTS HD<CR>	X	X	X	X	X	X	X	X	
						MSDTS HD MSTR<CR>	X	X	X	X	X	X	X	X	
						MSDTS HD+PL2X C<CR>	---	---	---	---	---	---	---	---	
						MSDTS HD+PL2X M<CR>	---	---	---	---	---	---	---	---	
						MSDTS HD+PL2Z H<CR>	---	---	---	---	---	---	---	---	
						MSDTS HD+DS<CR>	X	X	X	X	X	X	X	---	
						MSDTS HD+NEO:6<CR>	---	---	---	---	---	---	---	---	
						MSDTS HD+NEO:X C<CR>	---	---	---	---	---	---	---	---	
						MSDTS HD+NEO:X M<CR>	---	---	---	---	---	---	---	---	
						MSDTS HD+NEO:X G<CR>	---	---	---	---	---	---	---	---	
						MSDTS HD+NEURAL:X<CR>	X	X	X	X	X	X	X	---	
						MSDTS HD+VIRTUAL:X<CR>	X	---	---	---	---	---	---	---	
						MSDTS:X<CR>	X	X	X	X	X	X	X	---	
						MSDTS:X MSTR<CR>	X	X	X	X	X	X	X	---	
						MSDTS:X+VIRTUAL:X<CR>	X	---	---	---	---	---	---	---	
						MSDTS EXPRESS<CR>	X	X	X	X	X	X	X	X	
						MSDTS ES 8CH DSCRT<CR>	X	X	X	X	X	X	X	---	
						MSMULTI CH IN<CR>	X	X	X	X	X	X	X	X	
						MSM CH IN+DOLBY EX<CR>	---	---	---	---	---	---	---	---	
						MSM CH IN+PL2X C<CR>	---	---	---	---	---	---	---	---	
						MSM CH IN+PL2X M<CR>	---	---	---	---	---	---	---	---	
						MSM CH IN+PL2Z H<CR>	---	---	---	---	---	---	---	---	
						MSM CH IN+DS<CR>	X	X	X	X	X	X	X	---	
						MSM CH IN+NEO:X C<CR>	---	---	---	---	---	---	---	---	
						MSM CH IN+NEO:X M<CR>	---	---	---	---	---	---	---	---	
						MSM CH IN+NEO:X G<CR>	---	---	---	---	---	---	---	---	
						MSM CH IN+NEURAL:X<CR>	X	X	X	X	X	X	X	---	
						MSM CH IN+VIRTUAL:X<CR>	X	---	---	---	---	---	---	---	
						MSMULTI CH IN 7.1<CR>	X	X	X	X	X	X	X	---	
		(@7: Japan model Only)				MSMPEG2 AAC<CR>	@7	@7	---	---	---	---	@7	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+DOLBY EX<CR>	---	---	---	---	---	---	---	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+PL2X C<CR>	---	---	---	---	---	---	---	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+PL2X M<CR>	---	---	---	---	---	---	---	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+PL2Z H<CR>	---	---	---	---	---	---	---	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+DS<CR>	@7	@7	---	---	---	---	@7	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+NEO:X C<CR>	---	---	---	---	---	---	---	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+NEO:X M<CR>	---	---	---	---	---	---	---	---	@7: This command is available for Japan model O
		(@7: Japan model Only)				MSAAC+NEO:X G<CR>	---	---	---	---	---	---	---	---	@7: This command is available for Japan model O
						MSAAC+NEURAL:X<CR>	@7	@7	---	---	---	---	@7	---	@7: This command is available for Japan model O
						MSAAC+VIRTUAL:X<CR>	@7	---	---	---	---	---	---	---	@7: This command is available for Japan model O
						MSPL DSX<CR>	---	---	---	---	---	---	---	---	
						MSPL2 C DSX<CR>	---	---	---	---	---	---	---	---	
						MSPL2 M DSX<CR>	---	---	---	---	---	---	---	---	
						MSPL2 G DSX<CR>	---	---	---	---	---	---	---	---	
						MSNEO:6 C DSX<CR>	---	---	---	---	---	---	---	---	
						MSNEO:6 M DSX<CR>	---	---	---	---	---	---	---	---	
						MSAUDYSSEY DSX<CR>	---	---	---	---	---	---	---	---	
				AURO3D	MSAURO3D<CR>	<-	X	X	X	X	---	---	---	---	
				AURO2DSURR	MSAURO2DSURR<CR>	<-	X	X	X	X	---	---	---	---	
				MCH STEREO	MSMCH STEREO<CR>	<-	X	X	X	X	X	X	X	X	
				VIRTUAL	MSVIRTUAL<CR>	<-	X	X	X	X	X	X	X	X	
		Change to Previous surround mode		LEFT	MSLEFT<CR>		X	X	X	X	X	X	X	X	
		Change to Next surround mode		RIGHT	MSRIGHT<CR>		X	X	X	X	X	X	X	X	
		during "All Zone Stereo" mode		-	-	MSALL ZONE STEREO<CR>	X	X	X	X	X	X	X	---	
				-	-	MS7.1IN<CR>	X	X	X	X	X	X	---	---	
		Request Surround mode Status		?	MS?<CR>		X	X	X	X	X	X	X	X	
Aspect	Set Normal(4:3) mode		VS	ASPNRM	VSASPNRM<CR>	<-	X	X	X	X	X	X	X	---	
	Set Full(16:9) mode			ASPFUL	VSASPFUL<CR>	<-	X	X	X	X	X	X	X	---	
	Request Aspect Status			ASP ?	VSASP ?<CR>		X	X	X	X	X	X	X	---	
HDMI Outout	Set HDMI MONITOR automatic detection			MONIAUTO	VSMONIAUTO<CR>	<-	X	X	X	X	X	X	---	---	
	Set HDMI MONITOR OUT-1			MONI1	VSMONI1<CR>	<-	X	X	X	X	X	X	---	---	
	Set HDMI MONITOR OUT-2			MONI2	VSMONI2<CR>	<-	X	X	X	X	X	X	---	---	
	Request HDMI monitor output Status			MONI ?	VSMONI ?<CR>		X	X	X	X	X	X	---	---	
HDMI Resolution	Set Resolution to 480p/576p			SC48P	VSSC48P<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 1080i			SC10I	VSSC10I<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 720p			SC72P	VSSC72P<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 1080p			SC10P	VSSC10P<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 1080p:24Hz			SC10P24	VSSC10P24<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 4K 24			SC4K	VSSC4K<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 4K 60/50			SC4KF	VSSC4KF<CR>	<-	X	X	X	X	X	---	---	---	
	Set Resolution to AUTO			SCAUTO	VSSCAUTO<CR>	<-	X	X	X	X	X	X	X	---	
	Request HDMI output Status			SC ?	VSSC ?<CR>		X	X	X	X	X	X	X	---	
	Set Resolution to 480p/576p (HDMI)			SCH48P	VSSCH48P<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 1080i(HDMI)			SCH10I	VSSCH10I<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 720p(HDMI)			SCH72P	VSSCH72P<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 1080p(HDMI)			SCH10P	VSSCH10P<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 1080p:24Hz(HDMI)			SCH10P24	VSSCH10P24<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 4K 24(HDMI)			SCH4K	VSSCH4K<CR>	<-	X	X	X	X	X	X	X	---	
	Set Resolution to 4K 60/50(HDMI)			SC4KF	VSSCH4KF<CR>	<-	X	X	X	X	X	---	---	---	
	Set Resolution to AUTO(HDMI)			SCHAUTO	VSSCHAUTO<CR>	<-	X	X	X	X	X	X	X	X	
	Request HDMI Resolution Status			SCH ?	VSSCH ?<CR>		X	X	X	X	X	X	X	X	
Vertical Stretch	Set Vertical Stretch to ON			VST ON	VSVST ON<CR>	<-	X	---	---	---	---	---	---	---	
	Set Vertical Stretch to OFF			VST OFF	VSVST OFF<CR>	<-	X	---	---	---	---	---	---	---	
	Request Vertical Stretch Status			VSVST ?	VSVST ?<CR>		X	---	---	---	---	---	---	---	
HDMI Audio Decode	Set HDMI AUDIO Output to AMP			AUDIO AMP	VSAUDIO AMP<CR>	<-	X	X	X	X	X	X	X	X	
	Set HDMI AUDIO Output to TV			AUDIO TV	VSAUDIO TV<CR>	<-	X	X	X	X	X	X	X	X	
	Request HDMI Audio Decode Status			AUDIO ?	VSAUDIO ?<CR>		X	X	X	X	X	X	X	X	
Video Process	Set Video Processing Mode to AUTO			VPMAUTO	VSVPMAUTO<CR>	<-	X	X	X	X	X	X	X	X	
	Set Video Processing Mode to GAME			VPMGAME	VSVPMGAME<CR>	<-	X	X	X	X	X	X	X	X	
	Set Video Processing Mode to MOVIE			VPMMOVI	VSVPMMOVI<CR>	<-	X	X	X	X	X	X	X	X	
	Request Video Process Status			VPM ?	VSVPM ?<CR>		X	X	X	X	X	X	X	X	
Speaker A/B	FRONT SPEAKER direct change		PS	FRONT SPA	PSFRONT SPA<CR>	<-	@9	@9	@9	@9	@9	@9	@9	---	@9 : Requires to be set "Amp assign = Front B"
				FRONT SPB	PSFRONT SPB<CR>	<-	@9	@9	@9	@9	@9	@9	@9	---	@9 : Requires to be set "Amp assign = Front B"
				FRONT A+B	PSFRONT A+B<CR>	<-	@9	@9	@9	@9	@9	@9	@9	---	@9 : Requires to be set "Amp assign = Front B"
	Request Front Speaker A/B Status			FRONT?	PSFRONT?<CR>		@9	@9	@9	@9	@9	@9	@9	---	@9 : Requires to be set "Amp assign = Front B"
Effect Speaker selection	Floor			SP:FL	PSSP:FL<CR>	<-	X	X	X	X	X	---	---	---	
	Height&Floor			SP:HF	PSSP:HF<CR>	<-	X	X	X	X	X	---	---	---	
	Request Speaker Output Status			PSSP: ?	PSSP: ?<CR>		X	X	X	X	X	---	---	---	
	Front Height output change			FH:ON	PSFH:ON<CR>	<-	---	---	---	---	---	---	---	---	
				FH:OFF	PSFH:OFF<CR>	<-	---	---	---	---	---	---	---	---	
	Request Front Height Output Status			PSFH: ?	PSFH: ?<CR>		---	---	---	---	---	---	---	---	
Subwoofer	SW ON/OFF			SWR ON	PSSWR ON<CR>	<-	X	X	X	X	X	X	X	X	
	※DIRECT,STEREO(2ch) mode			SWR OFF	PSSWR OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request Subwoofer Output Status			SWR ?	PSSWR ?<CR>		X	X	X	X	X	X	X	X	
TONE	PARAMETER setting			TONE CTRL ON	PSTONE CTRL ON<CR>	<-	X	X	X	X	X	X	X	X	
	TONE CONTROL ON/OFF			TONE CTRL OFF	PSTONE CTRL OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request Tone Control Status			TONE CTRL ?	PSTONE CTRL ?<CR>		X	X	X	X	X	X	X	X	
BASS	BASS UP/DOWN , direct change to **dB			BAS UP	PSBAS UP<CR>	PSBAS 50<CR>	X	X	X	X	X	X	X	X	
	**:00 to 99 by ASCII . 50=0dB			BAS DOWN	PSBAS DOWN<CR>	PSBAS 50<CR>	X	X	X	X	X	X	X	X	
	from -6 to +6(44 to 56)			BAS **	PSBAS 50<CR>	<-	X	X	X	X	X	X	X	X	
	Request Bass Status			BAS ?	PSBAS ?<CR>		X	X	X	X	X	X	X	X	
TREBLE	TREBLE UP/DOWN , direct change to **dB			TRE UP	PSTRE UP<CR>	PSTRE 50<CR>	X	X	X	X	X	X	X	X	
	**:00 to 99 by ASCII , 50=0dB			TRE DOWN	PSTRE DOWN<CR>	PSTRE 50<CR>	X	X	X	X	X	X	X	X	
	from -6 to +6(44 to 56)			TRE **	PSTRE 50<CR>	<-	X	X	X	X	X	X	X	X	
	Request Treble Status			TRE ?	PSTRE ?<CR>		X	X	X	X	X	X	X	X	
Loudness Management	Loudness Management. ON/OFF direct change			LOM ON	PSLOM ON<CR>	<-	X	X	X	X	X	X	X	X	
				LOM OFF	PSLOM OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request Loudness Management Status			LOM ?	PSLOM ?<CR>		X	X	X	X	X	X	X	X	
Bass Sync	Bass Sync UP/DOWN , direct change to **dB			BSC UP	PSBSC UP<CR>	PSBSC 16<CR>	X	X	X	X	---	---	---	---	
	**:00 to 99 by ASCII , 00=0			BSC DOWN	PSBSC DOWN<CR>	PSBSC 16<CR>	X	X	X	X	---	---	---	---	
	from 0 to 16			BSC **	PSBSC 16<CR>	<-	X	X	X	X	---	---	---	---	
	Return Bass Sync Status			BSC ?	PSBSC ?<CR>		X	X	X	X	---	---	---	---	
Dialog Enhancer	Dialog Enhancer direct change			DEH OFF	PSDEH OFF<CR>	<-	X	---	---	---	---	---	---	---	
				DEH LOW	PSDEH LOW<CR>	<-	X	---	---	---	---	---	---	---	
				DEH MED	PSDEH MED<CR>	<-	X	---	---	---	---	---	---	---	
				DEH HIGH	PSDEH HIGH<CR>	<-	X	---	---	---	---	---	---	---	
	Return Dialog Enhancer Status			DEH ?	PSDEH ?<CR>		X	---	---	---	---	---	---	---	
Subwoofer Level	Subwoofer Level Adiust = ON			SWL ON	PSSWL ON<CR>	<-	---	X	X	X	X	X	X	X	
	Subwoofer Level Adiust = OFF			SWL OFF	PSSWL OFF<CR>	<-	---	X	X	X	X	X	X	X	
	Subwoofer1 Level UP/DOWN , direct change to **dB			SWL UP	PSSWL UP<CR>	PSSWL 50<CR>	X	X	X	X	X	X	X	X	
	**:38 to 62 by ASCII , 50=0dB			SWL DOWN	PSSWL DOWN<CR>	PSSWL 50<CR>	X	X	X	X	X	X	X	X	
				SWL2 **	PSSWL 50<CR>	<-	X	X	X	X	X	X	---	---	
	Subwoofer2 Level UP/DOWN , direct change to **dB			SWL2 UP	PSSWL2 UP<CR>	PSSWL2 50<CR>	X	X	X	X	X	---	---	---	
	**:38 to 62 by ASCII . 50=0dB			SWL2 DOWN	PSSWL2 DOWN<CR>	PSSWL2 50<CR>	X	X	X	X	X	---	---	---	
				SWL2 **	PSSWL2 50<CR>	<-	X	X	X	X	X	---	---	---	

	Return Subwoofer Level Status		SWL ?	PSSWL ?<CR>	PSSWL ON<CR> PSSWL 50<CR> PSSWL2 50<CR> ※If SW2 is none,"PSSWL2" command is not output.	X	X	X	X	X	X	X	X	
Dialog Level	Dialog Level Adjust = ON Dialog Level Adjust = OFF Dialog Level UP/DOWN , direct change to **dB **:38 to 62 by ASCII , 50=0dB		DIL ON	PSDIL ON<CR>	<-	X	X	X	X	X	X	X	X	
			DIL OFF	PSDIL OFF<CR>	<-	X	X	X	X	X	X	X	X	
			DIL UP	PSDIL UP<CR>	PSDIL 50<CR>	X	X	X	X	X	X	X	X	
			DIL DOWN	PSDIL DOWN<CR>	PSDIL 50<CR>	X	X	X	X	X	X	X	X	
			DIL **	PSDIL 50<CR>	<-	X	X	X	X	X	X	X	X	
	Return Dialog Level Status		DIL ?	PSDIL ?<CR>	PSDIL ON<CR> PSDIL 50<CR>	X	X	X	X	X	X	X	X	
LFE	LFE UP/DOWN , direct change to **dB **:00 to 99 by ASCII . 00=0dB. 10=-10dB from 0 to -10		LFE UP	PSLEE UP<CR>	PSLFE 10<CR>	X	X	X	X	X	X	X	X	
			LFE DOWN	PSLFE DOWN<CR>	PSLFE 10<CR>	X	X	X	X	X	X	X	X	
			LFE **	PSLFE 10<CR>	<-	X	X	X	X	X	X	X	X	
	Request LFE Status		LFE ?	PSLFE ?<CR>		X	X	X	X	X	X	X	X	
LFE in 7.1 CH mode	LFE Level direct change(When input mode is 7.1CH IN)		LFL 00	PSLFL 00<CR>	<-	X	X	X	X	X	X	---	---	
			LFL 05	PSLFL 05<CR>	<-	X	X	X	X	X	X	---	---	
			LFL 10	PSLFL 10<CR>	<-	X	X	X	X	X	X	---	---	
			LFL 15	PSLFL 15<CR>	<-	X	X	X	X	X	X	---	---	
	Return LFE Status		LFL ?	PSLFL ?<CR>		X	X	X	X	X	X	---	---	
PANORAMA	PANORAMA ON/OFF		PAN ON	PSPAN ON<CR>	<-	---	---	---	---	---	---	---	X	
			PAN OFF	PSPAN OFF<CR>	<-	---	---	---	---	---	---	---	X	
	Request PSPAN Status		PAN ?	PSPAN ?<CR>		---	---	---	---	---	---	---	X	
DIMENSION	DIMENSION UP/DOWN . direct change to **dB **:00 to 99 by ASCII . 00=0. from 0 to 6		DIM UP	PSDIM UP<CR>	PSDIM 00<CR>	---	---	---	---	---	---	---	X	
			DIM DOWN	PSDIM DOWN<CR>	PSDIM 00<CR>	---	---	---	---	---	---	---	X	
			DIM **	PSDIM **<CR>	<-	---	---	---	---	---	---	---	X	
	Request Dimension Status		DIM ?	PSDIM ?<CR>		---	---	---	---	---	---	---	X	
CENTER Width	CENTER WIDTH UP/DOWN . direct change to **dB **:00 to 99 by ASCII . 00=0 from 0 to 7		CEN UP	PSCEN UP<CR>	PSCEN 07<CR>	---	---	---	---	---	---	---	X	
			CEN DOWN	PSCEN DOWN<CR>	PSCEN 07<CR>	---	---	---	---	---	---	---	X	
			CEN **	PSCEN 07<CR>	<-	---	---	---	---	---	---	---	X	
	Request Center Width Status		CEN ?	PSCEN ?<CR>		---	---	---	---	---	---	---	X	
CENTER Image	CENTER IMAGE UP/DOWN , direct change to **dB **:00 to 99 by ASCII . 00=0.0 from 0.0 to 1.0		CEI UP	PSCEI UP<CR>	PSCEI 10<CR>	---	---	---	---	---	---	---	X	
			CEI DOWN	PSCEI DOWN<CR>	PSCEI 10<CR>	---	---	---	---	---	---	---	X	
			CEI **	PSCEI 10<CR>	<-	---	---	---	---	---	---	---	X	
	Request Center Image Status		CEI?	PSCEI ?<CR>		---	---	---	---	---	---	---	X	
CENTER Spread	CENTER SPREAD ON/OFF		CES ON	PSCES ON<CR>	<-	X	X	X	X	X	X	X	---	
			CES OFF	PSCES OFF<CR>	<-	X	X	X	X	X	X	X	---	
	Request PSPAN Status		CES ?	PSCES ?<CR>		X	X	X	X	X	X	X	---	
CENTER Gain	CENTER GAIN UP/DOWN , direct change to **dB **:00 to 99 by ASCII . 00=0.0 from 0.0 to 1.0		CEG UP	PSCEG UP<CR>	PSCEG 10<CR>	---	---	---	---	---	---	---	---	
			CEG DOWN	PSCEG DOWN<CR>	PSCEG 10<CR>	---	---	---	---	---	---	---	---	
			CEG **	PSCEG 10<CR>	<-	---	---	---	---	---	---	---	---	
	Request Center Gain Status		CEG?	PSCEG ?<CR>		---	---	---	---	---	---	---	---	
Dialog Control	Dialog Control UP/DOWN , direct change to **dB **:00 to 99 by ASCII , 00=0, from 0 to 6		DIC UP	PSDIC UP<CR>	PSDIC 03<CR>	X	X	X	X	X	X	X	---	
			DIC DOWN	PSDIC DOWN<CR>	PSDIC 03<CR>	X	X	X	X	X	X	X	---	
			DIC **	PSDIC 03<CR>	<-	X	X	X	X	X	X	X	---	
	Request Center Gain Status		DIC?	PSDIC ?<CR>		X	X	X	X	X	X	X	---	
Neural:X	Neural:X ON/OFF		NEURAL ON	PSNEURAL ON<CR>	<-	X	X	X	X	X	X	X	---	
			NEURAL OFF	PSNEURAL OFF<CR>	<-	X	X	X	X	X	X	X	---	
	Request PSNEURAL Status		NEURAL ?	PSNEURAL ?<CR>		X	X	X	X	X	X	X	---	
Audyssey DSX	Audyssey DSX ON(Wide/Height)		DSX ONHW	PSDSX ONHW<CR>	<-	---	---	---	---	---	---	---	---	
	Audyssey DSX ON(Height)		DSX ONH	PSDSX ONH<CR>	<-	---	---	---	---	---	---	---	---	
	Audyssey DSX ON(Width)		DSX ONW	PSDSX ONW<CR>	<-	---	---	---	---	---	---	---	---	
	Audyssey DSX OFF		DSX OFF	PSDSX OFF<CR>	<-	---	---	---	---	---	---	---	---	
	Request Audyssey DSX Status		DSX ?	PSDSX ?<CR>		---	---	---	---	---	---	---	---	
Stage Width	STAGE WIDTH UP/DOWN , direct change to **dB **:00 to 99 by ASCII , 50=0dB from -10 to **+10**(40 to **60**)		STW UP	PSSTW UP<CR>	PSSTW 50<CR>	---	---	---	---	---	---	---	---	
			STW DOWN	PSSTW DOWN<CR>	PSSTW 50<CR>	---	---	---	---	---	---	---	---	
			STW **	PSSTW 50<CR>	<-	---	---	---	---	---	---	---	---	
	Request Width Status		STW ?	PSSTW ?<CR>		---	---	---	---	---	---	---	---	
Stage Height	STAGE HEIGHT UP/DOWN . direct change to **dB **:00 to 99 by ASCII . 50=0dB from -10 to **+10**(40 to **60**)		STH UP	PSSTH UP<CR>	PSSTH 50<CR>	---	---	---	---	---	---	---	---	
			STH DOWN	PSSTH DOWN<CR>	PSSTH 50<CR>	---	---	---	---	---	---	---	---	
			STH **	PSSTH 50<CR>	<-	---	---	---	---	---	---	---	---	
	Request Height Status		STH ?	PSSTH ?<CR>		---	---	---	---	---	---	---	---	
CINEMA EQ	CINEMA EQ. ON (HT-EQ ON)		CINEMA EQ.ON	PSCINEMA EQ.ON<CR>	<-	X	X	X	X	X	X	X	X	
	CINEMA EQ. OFF (HT-EQ OFF)		CINEMA EQ.OFF	PSCINEMA EQ.OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request CINEMA EQ Status		CINEMA EQ. ?	PSCINEMA EQ. ?<CR>		X	X	X	X	X	X	X	X	
MultEQ	AUDYSSEY= Reference		MULTEQ:AUDYSSEY	PSMULTEQ:AUDYSSEY<CR>	<-	X	X	X	X	X	X	X	X	
	BYP.LR= L/R Bypass		MULTEQ:BYP.LR	PSMULTEQ:BYP.LR<CR>	<-	X	X	X	X	X	X	X	X	
			MULTEQ:FLAT	PSMULTEQ:FLAT<CR>	<-	X	X	X	X	X	X	X	X	
			MULTEQ:OFF	PSMULTEQ:OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request MultEQ Status		MULTEQ ?	PSMULTEQ: ?<CR>		X	X	X	X	X	X	X	X	
Dynamic EQ	Dynamic EQ = ON		DYNEQ ON	PSDYNEQ ON<CR>	<-	X	X	X	X	X	X	X	X	
	Dynamic EQ = OFF		DYNEQ OFF	PSDYNEQ OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request Dynamic EQ Status		DYNEQ ?	PSDYNEQ ?<CR>		X	X	X	X	X	X	X	X	
	Reference Level Offset=0dB		REFLEV 0	PSREFLEV 0<CR>	<-	X	X	X	X	X	X	X	X	
	Reference Level Offset=5dB		REFLEV 5	PSREFLEV 5<CR>	<-	X	X	X	X	X	X	X	X	
	Reference Level Offset=10dB		REFLEV 10	PSREFLEV 10<CR>	<-	X	X	X	X	X	X	X	X	
	Reference Level Offset=15dB		REFLEV 15	PSREFLEV 15<CR>	<-	X	X	X	X	X	X	X	X	
	Request Dynamic EQ Reference Level Status		REFREV ?	PSREFLEV ?<CR>		X	X	X	X	X	X	X	X	
Dynamic Vol.	Dynamic Vol = Heavy		DYNVOL HEV	PSDYNVOL HEV<CR>	<-	X	X	X	X	X	X	X	X	
	Dynamic Vol = Medium		DYNVOL MED	PSDYNVOL MED<CR>	<-	X	X	X	X	X	X	X	X	
	Dynamic Vol = Light		DYNVOL LIT	PSDYNVOL LIT<CR>	<-	X	X	X	X	X	X	X	X	
	Dynamic VOLUME = OFF		DYNVOL OFF	PSDYNVOL OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request Dynamic Volume Status		DYNVOL ?	PSDYNVOL ?<CR>		X	X	X	X	X	X	X	X	
Audyssey LFC	Audyssey LFC = ON		PSLFC ON	PSLFC ON<CR>	<-	X	X	X	X	X	---	---	---	
	Audyssey LFC = OFF		LFC OFF	PSLFC OFF<CR>	<-	X	X	X	X	X	---	---	---	
	Request Audyssey LFC Status		PSLFC ?	PSLFC ?<CR>	<-	X	X	X	X	X	---	---	---	
	Containment Amount UP/DOWN . direct change to **		CNTAMT UP	PSCNTAMT UP<CR>	PSCNTAMT 07<CR>	X	X	X	X	X	---	---	---	
	**:00 to 99 by ASCII . 00=0. from 1 to 7 (01 to 07)		CNTAMT DOWN	PSCNTAMT DOWN<CR>	PSCNTAMT 07<CR>	X	X	X	X	X	---	---	---	
			CNTAMT **	PSCNTAMT 07<CR>	<-	X	X	X	X	X	---	---	---	
	Return Containment Amount Status		CNTAMT ?	PSCNTAMT ?<CR>		X	X	X	X	X	---	---	---	
Graphic EQ	Graphic EQ = ON		GEQ ON	PSGEQ ON<CR>	<-	X	X	X	X	X	X	X	X	
	Graphic EQ = OFF		GEQ OFF	PSGEQ OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Return Graphic EQ Status		GEQ ?	PSGEQ ?<CR>		X	X	X	X	X	X	X	X	
Headphone EQ	Headphone EQ = ON		HEQ ON	PSHEQ ON<CR>	<-	X	X	X	X	X	X	X	X	
	Headphone EQ = OFF		HEQ OFF	PSHEQ OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Return Graphic EQ Status		HEQ ?	PSHEQ ?<CR>		X	X	X	X	X	X	X	X	
DRC	DRC direct change		DRC AUTO	PSDRC AUTO<CR>	<-	X	X	X	X	X	X	X	X	
			DRC LOW	PSDRC LOW<CR>	<-	X	X	X	X	X	X	X	X	
			DRC MID	PSDRC MID<CR>	<-	X	X	X	X	X	X	X	X	
			DRC HI	PSDRC HI<CR>	<-	X	X	X	X	X	X	X	X	
			DRC OFF	PSDRC OFF<CR>	<-	X	X	X	X	X	X	X	X	
	Request DRC status		DRC ?	PSDRC ?<CR>		X	X	X	X	X	X	X	X	
M-DAX	M-DAX Off		MDAX OFF	PSMDAX OFF<CR>	<-	X	X	X	X	X	X	X	X	
	M-DAX Low		MDAX LOW	PSMDAX LOW<CR>	<-	X	X	X	X	X	X	X	X	
	M-DAX Mid		MDAX MID	PSMDAX MID<CR>	<-	X	X	X	X	X	X	X	X	
	M-DAX High		MDAX HI	PSMDAX HI<CR>	<-	X	X	X	X	X	X	X	X	
	Request M-DAX Status		MDAX ?	PSMDAX ?<CR>		X	X	X	X	X	X	X	X	
Audio Delay	AUDIO DELAY UP/DOWN . direct change to ***dB		DELAY UP	PSDELAY UP<CR>	PSDELAY 200<CR>	X	X	X	X	X	X	X	X	
	***:000 to 999 by ASCII , 000=0ms, 200=200ms from 0 to 500		DELAY DOWN	PSDELAY DOWN<CR>	PSDELAY 200<CR>	X	X	X	X	X	X	X	X	
			DELAY ***	PSDELAY 200<CR>	<-	X	X	X	X	X	X	X	X	
	Request Audio Delay Status		DELAY?	PSDELAY ?<CR>		X	X	X	X	X	X	X	X	
Auro-Matic 3D Preset	Auro-Matic 3D Preset direct change		AUROPR SMA	PSAUROPR SMA<CR>	<-	X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
			AUROPR MED	PSAUROPR MED<CR>	<-	X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
			AUROPR LAR	PSAUROPR LAR<CR>	<-	X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
			AUROPR SPE	PSAUROPR SPE<CR>	<-	X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
	Request Auro-Matic 3D Preset Status		AUROPR ?	PSAUROPR ?<CR>		X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
Auro-Matic 3D Strength	Auro-Matic 3D Strength UP/DOWN , direct change to **		AUROST UP	PSAUROST UP<CR>	PSAUROST 10<CR>	X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
	**:00 to 99 by ASCII , 01=1, 10=10 from 1 to 16		AUROST DOWN	PSAUROST DOWN<CR>	PSAUROST 10<CR>	X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
			AUROST **	PSAUROST 10<CR>	<-	X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
	RequestAuro-Matic 3D Strength Status		AUROST ?	PSAUROST ?<CR>		X(*1)	X	X	X	---	---	---	---	*1 This mode will be supported via firmware updat
Picture Mode	Picture Mode = OFF	PV	OFF	PVOFF<CR>	<-	X	X	X	X	X	X	X	---	
	Picture Mode = Standard		STD	PVSTD<CR>	<-	X	X	X	X	X	X	X	---	
	Picture Mode = Movie		MOV	PVMOV<CR>	<-	X	X	X	X	X	X	X	---	
	Picture Mode = Vivid		VVD	PVVVD<CR>	<-	X	X	X	X	X	X	X	---	
	Picture Mode = Stream		STM	PVSTM<CR>	<-	X	X	X	X	X	X	X	---	
	Picture Mode = Custom		CTM	PVCTM<CR>	<-	X	X	X	X	X	X	X	---	
	Picture Mode = ISF Dav		DAY	PVDAY<CR>	<-	X	X	X	X	X	X	X	---	
	Picture Mode = ISF Night		NGT	PVNGT<CR>	<-	X	X	X	X	X	X	X	---	
	Request Picture Mode Status		PV?	PV?<CR>		X	X	X	X	X	X	X	---	
Contrast	CONTRAST UP/DOWN , direct change to ***dB		CN UP	PVCN UP<CR>	PVCN 050<CR>	X	X	X	X	X	X	X	---	
			CN DOWN	PVCN DOWN<CR>	PVCN 050<CR>	X	X	X	X	X	X	X	---	
	***:000 to 100 by ASCII . 050=0 from -50 to +50(000 to 100)		CN ***	PVCN 050<CR>	<-	X	X	X	X	X	X	X	---	
	Request Contrast Status		CN ?	PVCN ?<CR>		X	X	X	X	X	X	X	---	
Brightness	BRIGHTNESS UP/DOWN , direct change to ***dB		BR UP	PVBR UP<CR>	PVBR 050<CR>	X	X	X	X	X	X	X	---	
			BR DOWN	PVBR DOWN<CR>	PVBR 050<CR>	X	X	X	X	X	X	X	---	
	***:000 to 100 by ASCII , 050=0 from -50 to +50(000 to 100)		BR ***	PVBR 050<CR>	<-	X	X	X	X	X	X	X	---	
	Request Brightness Status		BR ?	PVBR ?<CR>		X	X	X	X	X	X	X	---	
Saturation	Saturation UP/DOWN . direct change to ***dB		ST UP	PVST UP<CR>	PVST 050<CR>	X	X	X	X	X	X	X	---	
			ST DOWN	PVST DOWN<CR>	PVST 050<CR>	X	X	X	X	X	X	X	---	
	***:000 to 100 by ASCII , 050=0 from -50 to +50(000 to 100)		ST***	PVST 050<CR>	<-	X	X	X	X	X	X	X	---	
	Request Saturation Status		ST ?	PVST ?<CR>		X	X	X	X	X	X	X	---	
DNR	Noise Reduction direct change		DNR OFF	PVDNR OFF<CR>	<-	X	X	X	X	X	X	X	---	
			DNR LOW	PVDNR LOW<CR>	<-	X	X	X	X	X	X	X	---	
			DNR MID	PVDNR MID<CR>	<-	X	X	X	X	X	X	X	---	
			DNR HI	PVDNR HI<CR>	<-	X	X	X	X	X	X	X	---	
	Request Noise Reduction Status		DNR ?	PVDNR ?<CR>		X	X	X	X	X	X	X	---	
Enhancer	ENHANCER UP/DOWN, direct change to **dB		ENH UP	PVENH UP<CR>	PVENH 12<CR>	X	X	X	X	X	X	X	---	
	**:00 to 12 by ASCII, 00=0		ENH DOWN	PVENH DOWN<CR>	PVENH 12<CR>	X	X	X	X	X	X	X	---	
	from 0 to 12		ENH **	PVENH 12<CR>	<-	X	X	X	X	X	X	X	---	
	Request PVENH Status		ENH ?	PVENH ?<CR>		X	X	X	X	X	X	X	---	
Cursor	"Cursor Up" Control	MN	CUP	MNCUP<CR>		X	X	X	X	X	X	X	X	
	"Cursor Down" Control		CDN	MNCDN<CR>		X	X	X	X	X	X	X	X	
	"Cursor Left" Control		CLT	MNCLT<CR>		X	X	X	X	X	X	X	X	

		"Cursor Right" Control		CRT	MNCRT<CR>		X	X	X	X	X	X	X	X	
		"Enter" Control		ENT	MNENT<CR>		X	X	X	X	X	X	X	X	
		"Return/Back" Control		RTN	MNRTN<CR>		X	X	X	X	X	X	X	X	
	Menu	Setup Menu ON Control		MEN ON	MNMEN ON<CR>		X	X	X	X	X	X	X	X	
		Setup Menu OFF Control		MEN OFF	MNMEN OFF<CR>		X	X	X	X	X	X	X	X	
		Request Menu Status		MEN?	MNMEN?<CR>		X	X	X	X	X	X	X	X	
		"OPTION" Control		OPT	MNOPT<CR>		X	X	X	X	X	X	X	X	
		"INFO" Control		INF	MNINF<CR>		X	X	X	X	X	X	X	X	
		"Channel Level Adjust"menu on/offControl		CHL	MNCHL<CR>		X	X	X	X	X	X	X	X	
	All Zone Stereo	All Zone Stereo ON Control		ZST ON	MNZST ON<CR>	<-	X	X	X	X	X	X	X	---	
		All Zone Stereo OFF Control		ZST OFF	MNZST OFF<CR>	<-	X	X	X	X	X	X	X	---	
		Request All Zone Stereo Status		ZST?	MNZST?<CR>		X	X	X	X	X	X	X	---	
	Control Lock	REMOTE CONTROL LOCK ON/OFF	SY	REMOTE LOCK ON	SYREMOTE LOCK ON<CR>	<-	X	X	X	X	X	X	X	X	
				REMOTE LOCK OFF	SYREMOTE LOCK OFF<CR>	<-	X	X	X	X	X	X	X	X	
		PANEL BUTTON/Except MASTER VOL.)CONTROL LOCK ON		PANEL LOCK ON	SYPANEL LOCK ON<CR>	<-	X	X	X	X	X	X	X	X	
		PANEL BUTTON & MASTER VOL. CONTROL LOCK ON		PANEL+V LOCK ON	SYPANEL+V LOCK ON<CR>	<-	X	X	X	X	X	X	X	X	
		PANEL BUTTON & MASTER VOL. CONTROL LOCK OFF		PANEL LOCK OFF	SYPANEL LOCK OFF<CR>	<-	X	X	X	X	X	X	X	X	
	System Reset	System Reset		SYRST	SYRST<CR>	<-	X	X	X	X	X	X	X	X	
	Trigger	Trigger 1 ON/OFF Control	TR	1 ON	TR1 ON<CR>	<-	X	X	X	X	X	X	X	---	
				1 OFF	TR1 OFF<CR>	<-	X	X	X	X	X	X	X	---	
		Trigger 2 ON/OFF Control		2 ON	TR2 ON<CR>	<-	X	X	X	X	---	---	---	---	
				2 OFF	TR2 OFF<CR>	<-	X	X	X	X	---	---	---	---	
		Request Trigger Output Status		?	TR?<CR>	TR1 ON<CR> ↓ TR2 ON<CR>	X	X	X	X	X	X	X	X	
	Dimmer	Dimmer = Bright	DIM	BRI	DIM BRI<CR>	<-	X	X	X	X	X	X	X	X	
		Dimmer = Dim		DIM	DIM DIM<CR>	<-	X	X	X	X	X	X	X	X	
		Dimmer = Dark		DAR	DIM DAR<CR>	<-	X	X	X	X	X	X	X	X	
		Dimmer = Off		OFF	DIM OFF<CR>	<-	X	X	X	X	X	X	X	X	
		Dimmer setting change		SEL	DIM SEL<CR>	<-	X	X	X	X	X	X	X	X	
		Request Dimmer status		?	DIM ?<CR>		X	X	X	X	X	X	X	X	
	Auto Lip Sync	AUTO LIP SYNC=DISABLE	SS	HOSALS ON	SSHOSALS ON<CR>	<-	X	X	X	X	X	X	X	X	
		AUTO LIP SYNC=ENABLE		HOSALS OFF	SSHOSALS OFF<CR>	<-	X	X	X	X	X	X	X	X	
		Request Auto Lip Sync status		HOS ?	SSHOS ?<CR>	<-	X	X	X	X	X	X	X	X	
	Component Video Output	COMPONENT VIDEO OUT=ZONE MAIN		CVO ZMA	SSCVO ZMA<CR>	<-	---	X	X	X	---	---	---	---	
		COMPONENT VIDEO OUT=ZONE2		CVO Z2S	SSCVO Z2S<CR>	<-	---	X	X	X	---	---	---	---	
		Return Component Video Output Status		CVO ?	SSCVO ?<CR>		---	X	X	X	---	---	---	---	
	Audio Channel	Audio Channel(Bilingual)=MAIN		BLN MAI	SSBLN MAI<CR>	<-	@7	@7	---	---	---	---	@7	---	@7: This command is available for Japan model C
		Audio Channel(Bilingual)=SUB		BLN SUB	SSBLN SUB<CR>	<-	@7	@7	---	---	---	---	@7	---	@7: This command is available for Japan model C
		Audio Channel(Bilingual)=MAIN+SUB		BLN M+S	SSBLN M+S<CR>	<-	@7	@7	---	---	---	---	@7	---	@7: This command is available for Japan model C
		Request Bilingual Mode status		BLN ?	SSBLN ?<CR>		@7	@7	---	---	---	---	@7	---	@7: This command is available for Japan model C
Analog Tuner	**Seek +/-**	TUNER Frequency UP/DOWN	TF	ANUP	TFANUP<CR>	TFAN1050<CR>00<CR>	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
				ANDOWN	TFANDOWN<CR>	TFAN1050<CR>00<CR>	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
	Frequency Direct	--- ****.** kHz at AM band (>050000 is AM.)		AN******	TFAN105000<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		****.** MHz at FM band (<050000 is FM.)		(6 digits)	(1050.00kHz at AM)										
		Request TF Status		AN?	TFAN?<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
	Preset	TUNER PRESET CH UP/DOWN . direct change to No.**	TP	ANUP	TPANUP<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		Preset CH 01-56.		ANDOWN	TPANDOWN<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
				AN**(PRESET No.)	TPAN01<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		TUNER PRESET MEMORY		ANMEM	TPANMEM<CR>	TPANMEM<CR> ↓ TPANUP<CR> or TPANDOWN<CR> or TPAN**<CR> ↓ TPANMEM<CR>	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		Preset CH 01-56		ANMEM** (**=PRESET No.)	TPANMEM01<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		Request TP Status		AN?	TPAN?<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
						TPANOFF<CR>	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		Return RDS Station Name (EU,AP Only)		ANNAME?	ANNAME?<CR>	TFANNAME123456878<CR> (Station Name"12345678") If station name is NULL: TFANNAME <CR>(" "is space)	---	---	@6	@6	@6	@6	@6	@6	@6: Europe model Only
	Band	---Band set to AM	TM	ANAM	TMANAM<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		---Band set to FM		ANFM	TMANFM<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
	MODE	---Tuning mode set to AUTO mode		ANAUTO	TMANAUTO<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		---Tuning mode set to MANUAL mode		ANMANUAL	TMANMANUAL<CR>	<-	@3	@3	X	X	X	X	X	X	@3: This command is available for North America
		Request TM Status		AN?	TMAN?<CR>		@3	@3	X	X	X	X	X	X	@3: This command is available for North America
HD Radio	**Channel +/-**	HD Channel UP/DOWN . direct change	TF	HDUP	TFHDUP<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
				HDDOWN	TFHDDOWN<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
	Band	--- ****.** kHz at AM band (>050000 is AM.)		HD****** (6 digits)	TFHD105000<CR> (AM1050.00kHz)	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		****.** MHz at FM band (<050000 is FM.)													@3: This command is available for North America
	Multi Cast	---HD Multi Cast CH Select		HDMC* (1 digit)	TFHDMC2<CR> (Multi Cast Ch.2)	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		(* : Multi Cast 1-8, Analog 0)													
	Frequency + Multi cast ch.	---Frequency and HD Multi Cast CH Select		HD******MC*	TFHD09870MC5<CR> (FM87.50MHz Multi Cast Ch.5)	※command only	---	---	---	---	---	---	---	---	@3: This command is available for North America
		Request TFHD Status		HD?	TFHD?<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
	Preset	HD PRESET CH UP/DOWN . direct change to No.**	TP	HDUP	TPHDUP<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		Preset CH 01-56.		HDDOWN	TPHDDOWN<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
				HD**(PRESET No.)	TPHD01<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		HD PRESET MEMORY		HDMEM	TPHDMEM<CR>	TPHDMEM<CR> ↓ TPHDUP<CR> or TPHDDOWN<CR> or TPHD**<CR> ↓ TPHDMEM<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
		Preset CH 01-56		HDMEM**(PRESET No.)	TPHDMEM01<CR>	<-	---	---	---	---	---	---			@3: This command is available for North America
		Request TPHD Status		HD?	TPHD?<CR>		---	---	---	---	---	---	---	---	@3: This command is available for North America
						TPHDOFF<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
	BAND	---Band set to AM	TM	HDAM	TMHDAM<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		---Band set to FM		HDFM	TMHDFM<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
	MODE	---Tuning mode set to AUTO-HD mode		HDAUTOHD	TMHDAUTOHD<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		---Tuning mode set to AUTO mode		HDAUTO	TMHDAUTO<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		---Tuning mode set to MANUAL mode		HDMANUAL	TMHDMANUAL<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		---Tuning mode set to ANALOG AUTO mode		HDANAAUTO	TMHDANAAUTO<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
		---Tuning mode set to ANALOG MANUAL mode		HDANAMANU	TMHDANAMANU<CR>	<-	---	---	---	---	---	---	---	---	@3: This command is available for North America
	Status	Request TMHD Status		HD?	TMHD?<CR>		---	---	---	---	---	---	---	---	@3: This command is available for North America
		Request HD Status	HD	?	HD?<CR>		---	---	---	---	---	---	---	---	@3: This command is available for North America
		---BAND, STATION NAME, STATION LONG NAME,				HDST NAME ********<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
		MULTI CAST CURRENT CHANNEL, MULTI CAST NUMBER, SIGNAL LEVEL,				HDSTL NAME (56 digits)<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
		ARTIST, TITLE, ALBUM, GENRE, PROGRAM TYPE,				HDSIG LEV 0<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDSIG LEV 1<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDSIG LEV 2<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDSIG LEV 3<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDSIG LEV 4<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDSIG LEV 5<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDSIG LEV 6<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDMLT CURRCH *<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDMLT CAST CH *<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDPTY (18 digits)<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDARTIST (40 digits)<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDTITLE (40 digits)<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDALBUM (40 digits)<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDGENRE (23 digits)<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDMODE DIGITAL<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
						HDMODE ANALOG<CR>	---	---	---	---	---	---	---	---	@3: This command is available for North America
Onine Music	**Cursor**	"Cursor Up" Control	NS	90	NS90<CR>		---	---	---	---	---	---	---	---	
		"Cursor Down" Control		91	NS91<CR>		---	---	---	---	---	---	---	---	
		"Cursor Left" Control		92	NS92<CR>		---	---	---	---	---	---	---	---	
		"Cursor Right" Control		93	NS93<CR>		---	---	---	---	---	---	---	---	
		"Enter (Play/Pause)" Control		94	NS94<CR>		---	---	---	---	---	---	---	---	
	Playback	"Play/Pause" Control		9A	NS9A<CR>		---	---	---	---	---	---	---	---	
		"Pause" Control		9B	NS9B<CR>		---	---	---	---	---	---	---	---	
		"Stop" Control		9C	NS9C<CR>		---	---	---	---	---	---	---	---	
		"Skip Plus" Control		9D	NS9D<CR>		---	---	---	---	---	---	---	---	
		"Skip Minus" Control		9E	NS9E<CR>		---	---	---	---	---	---	---	---	
		"Manual Search Plus" Control		9F	NS9F<CR>		---	---	---	---	---	---	---	---	
		"Manual Search Minus" Control		9G	NS9G<CR>		---	---	---	---	---	---	---	---	
		"Manual Search Stop" Control		9Z	NS9Z<CR>		---	---	---	---	---	---	---	---	
	Playback mode	"Repeat One" (Media Server.USB.iPod Direct.Bluetooth)		9H	NS9H<CR>		---	---	---	---	---	---	---	---	
		"Repeat All" (Media Server.USB.iPod Direct.Bluetooth)		9I	NS9I<CR>		---	---	---	---	---	---	---	---	
		"Repeat Off" (Media Server.USB.iPod Direct.Bluetooth)		9J	NS9J<CR>		---	---	---	---	---	---	---	---	
		"Random On" (Media Server.USB.iPod Direct.Bluetooth)		9K	NS9K<CR>		---	---	---	---	---	---	---	---	
		"Shuffle Songs" Control (iPod Direct Only)													
		"Random Off" (Media Server.USB.iPod Direct.Bluetooth)		9M	NS9M<CR>		---	---	---	---	---	---	---	---	
		"Shuffle Off" Control (iPod Direct)													
		"Repeat(toggle)"		RPT	NSRPT<CR>		---	---	---	---	---	---	---		
		"Random(toggle)"		RND	NSRND<CR>		---	---	---	---	---	---	---	---	
	Page +/-	"Page **Next**" Control		9X	NS9X<CR>		---	---	---	---	---	---	---	---	
		"Page **Previous**" Control		9Y	NS9Y<CR>		---	---	---	---	---	---	---	---	
	Preset Direct	Direct Preset Select (except Bluetooth, USB/iPod)		B**(PRESET No.)	NSB00<CR> NSB01<CR> - NSB55<CR>		---	---	---	---	---	---	---	---	
		**.:00-35 (00:01/35:36)													
	Preset Memory	Preset Memory (except Bluetooth, USB/iPod)		C**	NSC00<CR>	NSC00<CR>	---	---	---	---	---	---	---	---	
		**.:00-35 (00:01/35:36)		(PRESET No.)		NSCOK<CR>									

	Preset Name	Net Audio Preset Name status（UTF-8）		H	NSH<CR>	NSH<CR> (Return) NSH00**********(20 digits)<CR>(Preset Name: A1) NSH01**********(20 digits)<CR>(Preset Name:A2) : : NSH35**********(20 digits)<CR>(Preset Name:36)	---	---	---	---	---	---	---	---	
	OSD Info	Request Onscreen Display Information List (ASCII CODE Character) *ASCII Character(MAX96byte) _:Null ?: Don't Care (The character after Null should be disregarded) ※:Cursor&Playable Information Data(1byte) Bit1:Playable Music =1 Bit2:Directory Bit3:Don't Care Bit4:CURSOR SELECT=1 Bit7:Pictu Bit5,6,8:Don't Care ********** ???:MAX 96byte	NSA		NSA<CR> (Return NSA0-NSA8)	<-	---	---	---	---	---	---	---	---	
						NSA0<CR> (Return) NSA0**********_???(96byte)<CR> NSA1※(Flag1byte)*********_???(95byte)<CR> NSA2※(Flag1byte)*********_???(95byte)<CR> NSA3※(Flag1byte)*********_???(95byte)<CR> NSA4※(Flag1byte)*********_???(95byte)<CR> NSA5※(Flag1byte)*********_???(95byte)<C	---	---	---	---	---	---	---	---	
						NSA0Now Playing USB_????<CR> NSA1※Come Away With Me_???<CR> NSA2※Norah Jones_?????????<CR> NSA3※_??????????????????<CR> NSA4※_??????????????????<CR> NSA5※00:11 100%_???????<CR> NSA6※_??????????????????<CR> NSA7_??????????????????<CR> NSA8_??????????????????<CR>	---	---	---	---	---	---	---	---	
						NSA0※Now Playing_??<CR> NSA1※Title_??????????????????<CR> NSA2※Artist_??????????????????<CR> NSA3※????????????????????????????<CR> NSA4※Album_??????????????????<CR> NSA5_????????????????????????????<CR> NSA6※????????????????????????????<CR> NSA7_????????????????????????????<CR> NSA8 [1/1]	---	---	---	---	---	---	---	---	
		Request Onscreen Display Information List (UTF-8 CODE Character) *UTF-8 Character(MAX96byte) _:Null ?: Don't Care (The character after Null should be disregarded) ※:Cursor&Playable Information Data(1byte) Bit1:Playable Music =1 Bit2:Directory Bit3:Don't Care Bit4:CURSOR SELECT=1 Bit7:Picture Bit5.6.8:Don't Care	NSE		NSE<CR> (Return NSE0-NSE8)	<-	---	---	---	---	---	---	---	---	
						NSE0<CR> (Return) NSE0**********_???(96byte)<CR> NSE1※(Flag1byte)*********_???(95byte)<CR> NSE2※(Flag1byte)*********_???(95byte)<CR> NSE3※(Flag1byte)*********_???(95byte)<CR> NSE4※(Flag1byte)*********_???(95byte)<CR>	---	---	---	---	---	---	---	---	
						NSE0Now Playing USB_????<CR> NSE1※Come Away With Me_???<CR> NSE2※Norah Jones_?????????<CR> NSE3※_??????????????????<CR> NSE4※_??????????????????<CR> NSE5※00:11 100%_???????<CR> NSE6※_??????????????????<CR> NSE7_??????????????????<CR> NSE8_??????????????????<CR>	---	---	---	---	---	---	---	---	
						NSE0※Now Playing_??<CR> NSE1※Title_??????????????????<CR> NSE2※Artist_??????????????????<CR> NSE3※????????????????????????????<CR> NSE4※Album_??????????????????<CR> NSE5_????????????????????????????<CR> NSE6※????????????????????????????<CR> NSE7_????????????????????????????<CR> NSE8 [1/1]	---	---	---	---	---	---	---	---	
2nd Zone	**Power**	ZONE2 ON/OFF change	Z2	ON	Z2ON<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				OFF	Z2OFF<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	Input	ZONE2 mode set , and select source	Z2	CD	Z2CD<CR>	※In the input source which iPod is assigned, the response of "Z2IPOD" is returned.	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		---The name of PARAMETER is the same		|	|	<-									
				AUX3	Z2AUX3<CR>	<-	**X**	---	---	---	---	---	---	---	This command is available when Additional Sourc
				AUX4	Z2AUX4<CR>	<-	**X**	---	---	---	---	---	---	---	This command is available when Additional Sourc
				AUX5	Z2AUX5<CR>	<-	**X**	---	---	---	---	---	---	---	This command is available when Additional Sourc
				AUX6	Z2AUX6<CR>	<-	**X**	---	---	---	---	---	---	---	This command is available when Additional Sourc
				AUX7	Z2AUX7<CR>	<-	**X**	---	---	---	---	---	---	---	This command is available when Additional Sourc
		Bluetooth		BT	Z2BT<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				M-XPORT	Z2MXPORT<CR>	<-	---	---	---	---	---	---	---	---	
				USB/IPOD	Z2USB/IPOD<CR>	<-	---	---	---	---	---	---	---	---	
		ZONE2 mode cancel		SOURCE	Z2SOURCE<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		Select INPUT source USB and USB Start Playback		USB	Z2USB<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source USB and iPod DIRECT Start Playback		IPD	Z2IPD<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source NET/USB and iRadio Recent Play		IRP	Z2IRP<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source NET/USB and Favorites Play		FVP	Z2FVP<CR>	<-	---	---	---	---	---	---	---	---	
		Request ZONE2 Status (Power, input source and volume status)		?	Z2?<CR>	Z2ON<CR> Z2DVD<CR> Z240<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	Volume	ZONE2 VOLUME UP/DOWN , direct change to **dB	Z2	UP	Z2UP<CR>	Z280<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				DOWN	Z2DOWN<CR>	Z280<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		**:00 to 98 by ASCII , 80=0dB, 00=---(MIN)		**	Z280<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	Mute	ZONE2 OUTPUT MUTE ON/OFF change	Z2MU	ON	Z2MUON<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				OFF	Z2MUOFF<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		Request ZONE2 Mute Status		?	Z2MU?<CR>		**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	Smart Select	ZONE2 Smart Select 1-5 call	Z2	SMART1	Z2SMART1<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART2	Z2SMART2<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART3	Z2SMART3<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART4	Z2SMART4<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART5	Z2SMART5<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		ZONE2 Smart Select 1-5 memory		SMART1 MEMORY	Z2SMART1 MEMORY<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART2 MEMORY	Z2SMART2 MEMORY<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART3 MEMORY	Z2SMART3 MEMORY<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART4 MEMORY	Z2SMART4 MEMORY<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				SMART5 MEMORY	Z2SMART5 MEMORY<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		(cancel smart select)				Z2SMART0<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		Request ZONE2 Smart Select Status		SMART ?	Z2SMART ?<CR>		**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	Auto Standby	ZONE2 Auto Standby setting	Z2STBY	2H	Z2STBY2H<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				4H	Z2STBY4H<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				8H	Z2STBY8H<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
				OFF	Z2STBYOFF<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		Request ZONE2 Auto Standby Status		?	Z2STBY?<CR>		**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	Stereo/Mono	ZONE2 Channel setting	Z2CS	ST	Z2CSST<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
				MONO	Z2CSMONO<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
		Request ZONE2 Channel Stereo/Mono Status		?	Z2CS?<CR>		**X**	**X**	**X**	**X**	**X**	---	---	---	
	Front L Level	ZONE2 CHANNEL VOLUME UP/DOWN , direct change to **dB	Z2CV	FL UP	Z2CVFL UP<CR>	Z2CVFL 50<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		---FRONT Lch		FL DOWN	Z2CVFL DOWN<CR>	Z2CVFL 50<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		**:38 to 62 by ASCII , 50=0dB		FL **	Z2CVFL 50<CR>		**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	Front R Level	ZONE2 CHANNEL VOLUME UP/DOWN , direct change to **dB		FR UP	Z2CVFR UP<CR>	Z2CVFR 50<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		---FRONT Rch		FR DOWN	Z2CVFR DOWN<CR>	Z2CVFR 50<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		**:38 to 62 by ASCII , 50=0dB		FR **	Z2CVFR 50<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		Request ZONE2 Channel Level Status		?	Z2CV?<CR>		**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	High Pass Filter	ZONE2 HPF ON/OFF	Z2HPF	ON	Z2HPFON<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
				OFF	Z2HPFOFF<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
		Request ZONE2 HPF Status		?	Z2HPF?<CR>		**X**	**X**	**X**	**X**	**X**	---	---	---	
	Bass	ZONE2 BASS UP/DOWN , direct change to **dB	Z2PS	BAS UP	Z2PSBAS UP<CR>	Z2PSBAS 50<CR>	**X**	**X**	**X**	**X**	**X**	---	---	---	
		**:00 to 99 by ASCII , 00=0dB		BAS DOWN	Z2PSBAS DOWN<CR>	Z2PSBAS 50<CR>	**X**	**X**	**X**	**X**	**X**	---	---	---	
		from -10 to +10(40 to 60)		BAS **	Z2PSBAS 50<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
		Request ZONE2 Bass Status		BAS ?	Z2PSBAS ?<CR>		**X**	**X**	**X**	**X**	**X**	---	---	---	
	Treble	ZONE2 TREBLE UP/DOWN , direct change to **dB		TRE UP	Z2PSTRE UP<CR>	Z2PSTRE 50<CR>	**X**	**X**	**X**	**X**	**X**	---	---	---	
		**:00 to 99 by ASCII , 00=0dB		TRE DOWN	Z2PSTRE DOWN<CR>	Z2PSTRE 50<CR>	**X**	**X**	**X**	**X**	**X**	---	---	---	
		from -10 to +10(40 to 60)		TRE **	Z2PSTRE 50<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
		Request ZONE2 Teble Status		TRE ?	Z2PSTRE ?<CR>		**X**	**X**	**X**	**X**	**X**	---	---	---	
	Sleep	ZONE2 SLEEP TIMER setting	Z2SLP	OFF	Z2SLPOFF<CR>	<-	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		***:001 to 120 by ASCII , 010=10min		***	Z2SLP***<CR>	Z2SLP010<CR>	**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
		Request ZONE2 Sleep Status		?	Z2SLP?<CR>		**X**	**X**	**X**	**X**	**X**	**X**	**X**	---	
	HDMI Audio	ZONE2HDMI Out=Through	Z2HDA	THR	Z2HDA THR<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
		ZONE2HDMI Out=PCM		PCM	Z2HDA PCM<CR>	<-	**X**	**X**	**X**	**X**	**X**	---	---	---	
		Return Z2HPA Status		?	Z2HDA?<CR>		**X**	**X**	**X**	**X**	**X**	---	---	---	
3rd	**Power**	ZONE3 ON/OFF change	Z3	ON	Z3ON<CR>	<-	**X**	**X**	**X**	**X**	---	---	---	---	

Zone															
				OFF	Z3OFF<CR>	<-	X	X	X	X	---	---	---	---	
	Input	ZONE3 mode set , and select source ---The name of PARAMETER is the same		CD | AUX3	Z3CD<CR> | Z3AUX3<CR>	※In the input source which iPod is assigned, the response of "Z3IPOD" is returned <- <-	X	X	X	X	---	---	---	---	
				AUX4	Z3AUX4<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
				AUX5	Z3AUX5<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
				AUX6	Z3AUX6<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
				AUX7	Z3AUX7<CR>	<-	X	---	---	---	---	---	---	---	This command is available when Additional Sourc
		Bluetooth		BT	Z3BT<CR>	<-	X	X	X	X	---	---	---	---	
				M-XPORT	Z3MXPORT<CR>	<-	---	---	---	---	---	---	---	---	
		as that of the time of SI COMMAND.		USB/IPOD	Z3USB/IPOD<CR>	<-	---	---	---	---	---	---	---	---	
		ZONE3 mode cancel		SOURCE	Z3SOURCE<CR>	<-	X	X	X	X	---	---	---	---	
		Select INPUT source iPod/USB and USB Start Playback		Z3USB	Z3USB<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source iPod/USB and iPod DIRECT Start Playback		Z3IPD	Z3IPD<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source Online Music and iRadio Recent Play		IRP	Z3IRP<CR>	<-	---	---	---	---	---	---	---	---	
		Select INPUT source Online Music and Favorites Play		FVP	Z3FVP<CR>	<-	---	---	---	---	---	---	---	---	
		Request ZONE3 Status (Power, input source and volume status)		?	Z3?<CR>		X	X	X	X	---	---	---	---	
	Volume	ZONE3 VOLUME UP/DOWN , direct change to **dB		UP	Z3UP<CR>	Z380<CR>	X	X	X	X	---	---	---	---	
				DOWN	Z3DOWN<CR>	Z380<CR>	X	X	X	X	---	---	---	---	
		**:00 to 98 by ASCII , 80=0dB, 00=---(MIN)		**	Z380<CR>	<-	X	X	X	X	---	---	---	---	
	Mute	ZONE3 OUTPUT MUTE ON/OFF change	Z3MU	ON	Z3MUON<CR>	<-	X	X	X	X	---	---	---	---	
				OFF	Z3MUOFF<CR>	<-	X	X	X	X	---	---	---	---	
		Request ZONE3 Mute Status		?	Z3MU?<CR>		X	X	X	X	---	---	---	---	
	Smart Select	ZONE2 Smart Select 1-5 call	Z3	SMART1	Z3SMART1<CR>	<-	X	X	X	X	---	---	---	---	
				SMART2	Z3SMART2<CR>	<-	X	X	X	X	---	---	---	---	
				SMART3	Z3SMART3<CR>	<-	X	X	X	X	---	---	---	---	
				SMART4	Z3SMART4<CR>	<-	X	X	X	X	---	---	---	---	
				SMART5	Z3SMART5<CR>	<-	X	X	X	X	---	---	---	---	
		ZONE2 Smart Select 1-5 memory		SMART1 MEMORY	Z3SMART1 MEMORY<CR>	<-	X	X	X	X	---	---	---	---	
				SMART2 MEMORY	Z3SMART2 MEMORY<CR>	<-	X	X	X	X	---	---	---	---	
				SMART3 MEMORY	Z3SMART3 MEMORY<CR>	<-	X	X	X	X	---	---	---	---	
				SMART4 MEMORY	Z3SMART4 MEMORY<CR>	<-	X	X	X	X	---	---	---	---	
				SMART5 MEMORY	Z3SMART5 MEMORY<CR>	<-	X	X	X	X	---	---	---	---	
		(cancel smart select)				Z3SMART0<CR>	X	X	X	X	---	---	---	---	
		Request ZONE2 Smart Select Status		SMART ?	Z3SMART ?<CR>		X	X	X	X	---	---	---	---	
	Auto Standby	ZONE3 Auto Standby setting	Z3STBY	2H	Z3STBY2H<CR>	<-	X	X	X	X	---	---	---	---	
				4H	Z3STBY4H<CR>	<-	X	X	X	X	---	---	---	---	
				8H	Z3STBY8H<CR>	<-	X	X	X	X	---	---	---	---	
				OFF	Z3STBYOFF<CR>	<-	X	X	X	X	---	---	---	---	
		Request ZONE3 Auto Standby Status		?	Z3STBY?<CR>		X	X	X	X	---	---	---	---	
	Stereo/Mono	ZONE3 Channel setting	Z3CS	ST	Z3CSST<CR>	<-	X	X	X	X	---	---	---	---	
				MONO	Z3CSMONO<CR>	<-	X	X	X	X	---	---	---	---	
		Request ZONE3 Channel Stereo/Mono Status		?	Z3CS?<CR>		X	X	X	X	---	---	---	---	
	Front L Level	ZONE3 CHANNEL VOLUME UP/DOWN . direct change to **d	Z3CV	FL UP	Z3CVFL UP<CR>	Z3CVFL 50<CR>	X	X	X	X	---	---	---	---	
		---FRONT Lch		FL DOWN	Z3CVFL DOWN<CR>	Z3CVFL 50<CR>	X	X	X	X	---	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		FL **	Z3CVFL 50<CR>	<-	X	X	X	X	---	---	---	---	
	Front R Level	ZONE3 CHANNEL VOLUME UP/DOWN , direct change to **dB		FR UP	Z3CVFR UP<CR>	Z3CVFR 50<CR>	X	X	X	X	---	---	---	---	
		---FRONT Rch		FR DOWN	Z3CVFR DOWN<CR>	Z3CVFR 50<CR>	X	X	X	X	---	---	---	---	
		**:38 to 62 by ASCII , 50=0dB		FR **	Z3CVFR 50<CR>	<-	X	X	X	X	---	---	---	---	
		Request ZONE3 Channel Level Status		?	Z3CV?<CR>		X	X	X	X	---	---	---	---	
	High Pass Filter	ZONE3 HPF ON/OFF	Z3HPF	ON	Z3HPFON<CR>	<-	X	X	X	X	---	---	---	---	
				OFF	Z3HPFOFF<CR>	<-	X	X	X	X	---	---	---	---	
		Request ZONE3 HPF Status		?	Z3HPF?<CR>		X	X	X	X	---	---	---	---	
	Bass	ZONE3 BASS UP/DOWN , direct change to **dB	Z3PS	BAS UP	Z3PSBAS UP<CR>	Z3PSBAS 50<CR>	X	X	X	X	---	---	---	---	
		**:00 to 99 by ASCII , 00=0dB		BAS DOWN	Z3PSBAS DOWN<CR>	Z3PSBAS 50<CR>	X	X	X	X	---	---	---	---	
		from -10 to +10(40 to 60)		BAS **	Z3PSBAS 50<CR>	<-	X	X	X	X	---	---	---	---	
		Request ZONE3 Bass Status		BAS ?	Z3PSBAS ?<CR>		X	X	X	X	---	---	---	---	
	Treble	ZONE3 TREBLE UP/DOWN . direct change to **dB		TRE UP	Z3PSTRE UP<CR>	Z3PSTRE 50<CR>	X	X	X	X	---	---	---	---	
		**:00 to 99 by ASCII . 00=0dB		TRE DOWN	Z3PSTRE DOWN<CR>	Z3PSTRE 50<CR>	X	X	X	X	---	---	---	---	
		from -10 to +10(40 to 60)		TRE **	Z3PSTRE 50<CR>	<-	X	X	X	X	---	---	---	---	
		Request ZONE3 Treble Status		TRE ?	Z3PSTRE ?<CR>		X	X	X	X	---	---	---	---	
	Sleep	ZONE3 SLEEP TIMER setting	Z3SLP	OFF	Z3SLPOFF<CR>	<-	X	X	X	X	---	---	---	---	
		***:001 to 120 by ASCII , 010=10min		***	Z3SLP***<CR>	Z3SLP010<CR>	X	X	X	X	---	---	---	---	
		Request ZONE3 Sleep Status		?	Z3SLP?<CR>		X	X	X	X	---	---	---	---	

Notes: Specifications subject to change without prior notice.

X	**= Available command for the model**
---	**= NOT available command for the model**

@1
@2
@3 : North America model only
@4: Europe/Japan/China model Only
@5: North America & Europe model Only
@6: Europe model Only
@7: Japan model Only
@8
@9 : Requires to be set "Amp assign = Front B"

Revision

FY17V01	*Added NR1508/NR1608*
FY17V02	*Added SR5012/SR6012*
FY17V03	*Added SR7012/AV7704*
FY17V04	*Added SR8012*
FY17V05	*Added AV8805*