

Command for Main Room 1/2

	Command		Reply from Slave
POWER ON / STAND BY	TOGGLE(On/Off)	"PWR:0"	"PWR:1",
	OFF	"PWR:1"	"PWR:2"
	ON	"PWR:2"	
VOLUME	VALUE (direct command)	"VOL:0xxx"	"VOL:xxx"
	UP	"VOL:1"	xxx = vol. value as +18 ~-99 (e.g.) 0dB="VOL:00"
	DOWN	"VOL:2"	-∞="VOL:-ZZ"
AUDIO MUTE	TOGGLE(On/Off)	"AMT:0"	"AMT:1"
	OFF	"AMT:1"	"AMT:2"
	ON	"AMT:2"	
TONE CONTROL (BASS)	VALUE	"TOB:0xxx"	"TOB:xxx"
	(xxx = vol. value as +6 ~-6)	xxx = vol. value as +6 ~-6	
	UP	"TOB:1"	
TONE CONTROL (TREBLE)	DOWN	"TOB:2"	
	VALUE	"TOT:0xxx"	"TOT:xxx"
	(xxx = vol. value as +6 ~-6)	xxx = vol. value as +6 ~-6	
UP	UP	"TOT:1"	
	DOWN	"TOT:2"	
INPUT SOURCE Select	TV	"SRC:1"	"SRC:va", (v,a= '0' - 'F')
	DVD	"SRC:2"	(v = video, a = audio.)
	VCR1	"SRC:3"	(e.g) DVD="SRC:22"
	DSS/VCR2	"SRC:4"	
	AUX1	"SRC:9"	
	AUX2	"SRC:A"	
	CD	"SRC:C"	
	CD-R	"SRC:D"	
	TAPE	"SRC:E"	
	TUNER	"SRC:F"	
	FM	"SRC:G"	
	AM/MW	"SRC:H"	
7.1Channel Input	TOGGLE	"71C:0"	OFF= "71C:1",
	OFF	"71C:1"	ON= "71C:2"
	ON	"71C:2"	
INPUT (A/D)	AUTO	"INP:0"	ANALOG= "INP:1",
	ANALOG	"INP:1"	DIGITAL= "INP:2"
	DIGITAL	"INP:2"	AUTO-ANA= "INP:3"
AUDIO ATT	TOGGLE(On/Off)	"ATT:0"	AUTO-DIG= "INP:4"
	OFF	"ATT:1"	ATT-OFF= "ATT:1"
	ON	"ATT:2"	ATT-ON= "ATT:2"
SURROUND MODE			"ATT:0" (not analog)
	AUTO	"SUR:00"	"SUR:xx"
	STEREO	"SUR:01"	(x = '0' ~'Z')
	DOLBY	"SUR:02"	
	PL2xMOVIE	"SUR:03"	
	PL2 MOVIE	"SUR:04"	
	PL2xMUSIC	"SUR:05"	
	PL2 MUSIC	"SUR:06"	
	PL2xGAME	"SUR:07"	
	PL2 GAME	"SUR:08"	
	EX/ES	"SUR:0A"	
	DTS ES	"SUR:0E"	
	NEO6 CINEMA	"SUR:0F"	
	NEO6 MUSIC	"SUR:0G"	
	Multi Ch. STEREO	"SUR:0H"	
	CS2 CINEMA	"SUR:0I"	
	CS2 MUSIC	"SUR:0J"	
	CS2 MONO	"SUR:0K"	
	VIRTUAL	"SUR:0L"	
	DTS	"SUR:0M"	
	DD+PL2xMOVIE	"SUR:00"	
	DD+PL2xMOVIE	"SUR:0P"	
	SOURCE(PURE) DIRECT	"SUR:0T"	
	Surround Mode up	"SUR:1"	
	Surround Mode down	"SUR:2"	

Command for Main Room 2/2

	Command		Reply from Slave
SURROUND MODE (THX+)	TOGGLE	"THX:0"	"THX:x"
	OFF	"THX:1"	OFF= "THX:1"
	ON	"THX:2"	ON= "THX:2"
SPEAKER A/B	TOGGLE	"SPK:0"	"SPK:11"(A:OFF B:OFF)
	A-ON	"SPK:12"	"SPK:21"(A:ON B:OFF)
	A-OFF	"SPK:11"	"SPK:12"(A:OFF B:ON)
	B-ON	"SPK:22"	"SPK:22"(A:ON B:ON)
	B-OFF	"SPK:21"	
Tuner Frequency	VALUE(frequency direct)	"TFQ:0xxxx"	
	UP	"TFQ:1"	
	DOWN	"TFQ:2"	
	Auto-UP	"TFQ:3"	
	Auto-DOWN	"TFQ:4"	else FM (e.g. "TFQ08750" =FM87.50MHz
Tuner Preset	VALUE(Preset Number)	"TPR:0ww"	"TPR:ww"
	UP	"TPR:1"	(ww = current preset nr.)
	DOWN	"TPR:2"	0 ~ 50
	PRESET-SCAN START	"TPR:3"	
	PRESET-SCAN STOP	"TPR:4"	
FM tuning mode	TOGGLE	"TMD:0"	
	OFF(Mono)	"TMD:1"	FM-MONO="TMD:1",
	ON(Stereo)	"TMD:2"	FM-AUTO="TMD:2"
Tuner Numeric keys	Key0,	"NUM:0",	
	Key1,	"NUM:1",	
	Key2,	"NUM:2",	
	Key3,	"NUM:3",	
	Key4,	"NUM:4",	
	Key5,	"NUM:5",	
	Key6,	"NUM:6",	
	Key7,	"NUM:7",	
	Key8,	"NUM:8",	
	Key9	"NUM:9"	ACK
	Command		Reply from Slave
SET UP MENU	TOGGLE	"MNU:0"	non-menu="MNU:1",
	OFF(EXIT)	"MNU:1"	on menu="MNU:2"
	ON	"MNU:2"	
	ENTER	"MNU:3"	
	UP	"CUR:1"	
	DOWN	"CUR:2"	
	LEFT	"CUR:3"	ACK
Test Tone	RIGHT	"CUR:4"	
	On/Off (TOGGLE)	"TTO:0"	
	OFF(Exit from Test tone)	"TTO:1"	"TTO:1xy" (OFF)
	ON(Generate Test tone)	"TTO:2"	"TTO:2xy" (ON)
	NEXT Channel	"TTO:3"	(x = auto'0'/manual'1', y = ch.,)
Channel Level	PREV Channel	"TTO:4"	
	VALUE (Front L)	"CHL:02xxx"	"CHL:yxxx"
	VALUE (Front R)	"CHL:03xxx"	(y = channel, x = channel level)
	VALUE (Center)	"CHL:04xxx"	
	VALUE (Surr. L)	"CHL:06xxx"	
	VALUE (Surr. R)	"CHL:07xxx"	(y=2,3,4,6,7,8,9,A,B) (x=+10 ~ -10)
	VALUE (Back L /mono)	"CHL:09xxx"	
	VALUE (Back R)	"CHL:0Axxx"	
	VALUE (Sub W)	"CHL:0Bxxx"	
	Level Up	"CHL:1y" (y=channel) (y=2,3,4,6,7,8,9,A,B)	
	Level Down	"CHL:2y" (y=channel) (y=2,3,4,6,7,8,9,A,B)	
Dolby Head Phone mode	BYPASS	"DHM:0"	
	DH1 (5.1ch)	"DHM:1"	
	DH1 PL2movie 2ch)	"DHM:2"	
	DH1 PL2music 2ch)	"DHM:3"	
	DH2 (5.1ch)	"DHM:4"	
	DH2 PL2movie 2ch)	"DHM:5"	
	DH2 PL2music 2ch)	"DHM:6"	
	DH3 (5.1ch)	"DHM:7"	
	DH3 PL2movie 2ch)	"DHM:8"	
	DH3 PL2music 2ch)	"DHM:9"	
Night Mode (Dynamic Range control)	TOGGLE	"NGT:0"	OFF= "NGT:1",
	OFF	"NGT:1"	ON= "NGT:2"
	ON	"NGT:2"	
SLEEP TIMER	VALUE(1minutes step)	"SLP:0xx"	"SLP:xx"
	OFF	"SLP:1"	OFF="SLP:00"

Command for Multi Room 1/1

	Command		Reply from Slave
Multi Room	TOGGLE	"MPW:0"	Multi Off= "MPW:1",
	OFF	"MPW:1"	Multi On= "MPW:2"
	ON	"MPW:2"	
Multi Room VOLUME	VALUE	"MVL:0xxx"	"MVL:xxx"
	UP	"MVL:1"	xxx = vol. value as
	DOWN	"MVL:2"	0 ~90
Multi Room AUDIO MUTE	TOGGLE	"MAM:0"	MUTE OFF= "MAM:1"
	OFF	"MAM:1"	MUTE ON= "MAM:2"
	ON	"MAM:2"	
Multi Room Speaker	TOGGLE	"MSP:0"	"MSP:1"
	OFF	"MSP:1"	"MSP:2"
	ON	"MSP:2"	
Multi SPKR VOLUME	VALUE	"MSV:0xxx"	"MSV:xxx"
	UP	"MSV:1"	xxx = vol. value as
	DOWN	"MSV:2"	0 ~90
Multi SPKR AUDIO MUTE	TOGGLE	"MSM:0"	MUTE OFF= "MSM:1"
	OFF	"MSM:1"	MUTE ON= "MSM:2"
	ON	"MSM:2"	
Multi SOURCE Select	TV	"MSC:1"	"MSC:va", (v ,a= '0' - 'F') (v = video, a = audio.)
	DVD	"MSC:2"	
	VCR1	"MSC:3"	(e.g) DVD="MSC:22"
	DSS/VCR2	"MSC:4"	
	AUX1	"MSC:9"	
	AUX2	"MSC:A"	
	CD	"MSC:C"	
	CD-R	"MSC:D"	
	TAPE	"MSC:E"	
	TUNER	"MSC:F"	
	FM	"MSC:G"	
	AM	"MSC:H"	
Multi Tuner Frequency	VALUE	"MTF:0xxxxx"	"MTF:xxxxx"
	UP	(xxxxx = freq.) "MTF:1"	(xxxxx = Frequency)
	DOWN	"MTF:2"	if(xxxxx<02000) AM
	Auto-UP	"MTF:3"	else FM
	Auto-DOWN	"MTF:4"	
Multi Tuner Preset	VALUE	"MTP:0ww" (ww = preset nr.)	"MTP:ww"
	UP	"MTP:1"	(ww = current preset nr.)
	DOWN	"MTP:2"	ww=01~50
	SCAN Start	"MTP:3"	
	SCAN Stop	"MTP:4"	
Multi Tuner mode	TOGGLE	"MTM:0"	except FM = "MTM:0"
	OFF (MONO)	"MTM:1"	MONO= "MTM:1"
	ON (AUTO)	"MTM:2"	STEREO= "MTM:2"

Status Request Command & Answer for Main Room 1/2

Status request		Status answer and feedback	
POWER	"PWR:?"	OFF	"PWR:1"
		ON	"PWR:2"
VOLUME	"VOL:?"	Volume value = xxx	"VOL:xxx"
AUDIO MUTE	"AMT:?"	OFF	"AMT:1"
		ON	"AMT:2"
TONE BASS	"TOB:?"	Bass value = xxx	"TOB:xxx"
TONE TREBLE	"TOT:?"	Treble value = xxx	"TOT:xxx"
INPUT SOURCE Select	"SRC:?"	Video+Audio source (v ,a= '0' - 'F') (v = video, a = audio.)	"SRC:va"
7.1ch Channel	"71C:?"	OFF	"71C:1"
		ON	"71C:2"
INPUT (A/D)	"INP:?"	ANALOG	"INP:1"
		DIGITAL	"INP:2"
		AUTO(ANALOG)	"INP:3"
		AUTO(DIGITAL)	"INP:4"
AUDIO ATT	"ATT:?"	OFF	"ATT:1"
		ON	"ATT:2"
Surr. Mode	"SUR:?"	AUTO	"SUR:0"
		STEREO	"SUR:1"
		DOLBY	"SUR:2"
		PL2xMOVIE	"SUR:3"
		PL2 MOVIE	"SUR:4"
		PL2xMUSIC	"SUR:5"
		PL2 MUSIC	"SUR:6"
		PL2xGAME	"SUR:7"
		PL2 GAME	"SUR:8"
		EX/ES	"SUR:A"
		DTS ES	"SUR:E"
		NEO6 CINEMA	"SUR:F"
		NEO6 MUSIC	"SUR:G"
		Multi Ch. STEREO	"SUR:H"
		CS2 CINEMA	"SUR:I"
		CS2 MUSIC	"SUR:J"
		CS2 MONO	"SUR:K"
		VIRTUAL	"SUR:L"
		DTS	"SUR:M"
		DD+PL2x MOVIE	"SUR:O"
		DD+PL2x MUSIC	"SUR:P"
		SOURCE(PURE) DIRECT	"SUR:T"
		DOLBY HEAD PHONE	"SUR:U"
		THX AUTO	"THX:0"
		THX+DOLBY DIGITAL	"THX:2"
		THX+PL2x MOVIE	"THX:3"
		THX+PL2 MOVIE	"THX:4"
		THX+EX/ES	"THX:A"
		THX EX+DD	"THX:C"
		THX+DTS ES	"THX:E"
		THX+NEO6 CINEMA	"THX:F"
		THX+DTS	"THX:M"
		THX+DD+PL2x	"THX:O"
THX. Mode	"THX:?"	THX AUTO	"THX:0"
		THX+DOLBY DIGITAL	"THX:2"
		THX+PL2x MOVIE	"THX:3"
		THX+PL2 MOVIE	"THX:4"
		THX+EX/ES	"THX:A"
		THX EX+DD	"THX:C"
		THX+DTS ES	"THX:E"
		THX+NEO6 CINEMA	"THX:F"
		THX+DTS	"THX:M"
		THX+DD+PL2x	"THX:O"
SPEAKER A/B	"SPK:?"	A:OFF B:OFF	"SPK:11"
		A:ON B:OFF	"SPK:21"
		A:OFF B:ON	"SPK:12"
		A:ON B:ON	"SPK:22"

Status Request Command & Answer for Main Room 2/2

Status request		Status answer and feedback	
Tuner Frequency	"TFQ:?"	xxxx = frequency if (xxxx < 02000), band=AM else band=FM	"TFQ:xxxx"
Tuner Preset	"TPR:?"	xx = preset number (01~50)	"TPR:xx"
FM Tuning Mode	"TMD:?"	(except FM) OFF (MONO) ON (AUTO)	"TMD:0" "TMD:1" "TMD:2"
SET UP MENU	"MNU:?"	OFF ON	"MNU:1" "MNU:2"
Test Tone	"TTO:?"	OFF (x,y = don't care) ON (x=auto/manual, y=ch.)	"TTO:1xy" "TTO:2xy"
Channel Level	"CHL:? y" (y = channel)	Front L	"CHL:2xxx"
		Front R	"CHL:3xxx"
		Center	"CHL:4xxx"
		Surr. L	"CHL:6xxx"
		Surr. R	"CHL:7xxx"
		Back L, Back(mono)	"CHL:9xxx"
		Back R	"CHL:Axxx"
		Sub Woofer	"CHL:Bxxx"
Night Mode	"NGT:?"	OFF ON	"NGT:1" "NGT:2"
HT-EQ	"REQ:?"	OFF ON	"REQ:1" "REQ:2"
SLEEP TIMER	"SLP:?"	Sleep time (xx = 00 ~ 99)	"SLP:xx"
Signal Format	"SIG:?"	x = signal x = '0' : No detect '1' : D DIGITAL AC-3 '2' : D DIGITAL SURR. '3' : D DIGITAL SURR. EX '4' : DTS '5' : DTS ES DISCRETE '6' : DTS ES MATRIX '7' : AAC '8' : MPEG '9' : MLP 'A' : PCM 'B' : HDCD 'C' : DSD 'D' : reserved 'E' : reserved 'F' : OTHER	"SIG:x"
Sampling Frequency	"SFQ:?"	x = Freq. '0' : Out of range '1' : 32kHz '2' : 44.1kHz '3' : 48kHz '4' : 88.2kHz '5' : 96kHz '6' : 176.4kHz '7' : 192kHz	"SFQ:x"
Encoded Channel Status	"CHS:?"	xy = Ch.Stat xy = "00": Not available x' = '8' ~ 'F' bit3 : 1 bit2 : LFE bit1 : Surr. L bit0 : Surr. R y' = '0' ~ 'F' bit3 : reserved(don't care) bit2 : Front L bit1 : Front R bit0 : Center	"CHS:xy"

Status Request Command & Answer for Multi Room

Status request		Status answer and feedback	
Multi Room power ON/Off	"MPW:?"	OFF	"MPW:1"
		ON	"MPW:2"
Multi Room VOLUME	"MVL:?"	Volume value = xxx	"MVL:xxx"
Multi Room AUDIO MUTE	"MAM:?"	OFF	"MAM:1"
		ON	"MAM:2"
Multi Room Volume Set	"MVS:?"	VARIABLE	"MVS:1"
		FIXED	"MVS:2"
Multi Room SPEAKER ON/OFF	"MSP:?"	OFF	"MVM:1"
		ON	"MVM:2"
Multi SPKR VOLUME	"MSV:?"	"MSV:0xxx"	"MSV:0xxx"
Multi SPKR AUDIO MUTE	"MSM:?"	OFF	"MSM:1"
		ON	"MSM:2"
Multi SPKR Volume Set	"MST:?"	VARIABLE	"MST:1"
		FIXED	"MST:2"
Multi Room SOURCE Select	"MSC:?"	Video+Audio source (v, a= '0' - 'F') (v = video, a = audio.)	"MSC:va"
Multi Room Tuner Frequency	"MTF:?"	xxxxx = frequency if (xxxxx<02000), band=AM else band=FM	"MTF:xxxxx"
Multi Room Tuner Preset	"MTP:?"	xx = preset number (01~50)	"MTP:xx"
Multi Room Tuner Mode	"MTM:?"	(except FM)	"MTM:0"
		OFF (MONO)	"MTM:1"
		ON (AUTO)	"MTM:2"

Special Status request and Status answer list

Command from Host		Reply from Slave
Auto status feedback	“AST:x” (x = ‘0’ ~ ‘F’)	same as command define
(The product default is disable all auto status feedback.)	bit 3 : Layer 4 (1 = Enable, 0 = Disable)	
	bit 2 : Layer 3 (1 = Enable, 0 = Disable)	
	bit 1 : Layer 2 (1 = Enable, 0 = Disable)	
	bit 0 : Layer 1 (1 = Enable, 0 = Disable)	

Status request	Status answer and feedback
Auto status feedback	“AST:?” see command list

Layer of the Auto statuses

Status		Layer
POWER	“PWR:”	1
AUDIO MUTE	“AMT:”	1
VIDEO MUTE	“VMT:”	1
VOLUME	“VOL:”	1
TONE BASS	“TOB:”	1
TONE TREBLE	“TOT:”	1
SOURCE Select	“SRC:”	1
7.1 Channel Input	“MCH:”	1
DISPLAY	“DIP:”	1
OSD	“OSD:”	1
Test Tone	“TTO:”	1
Multi Room POWER	“MPW:”	1
Multi Room Audio Mute	“MAM:”	1
Multi Room VOLUME	“MVL:”	1
Multi SPKR volume	“MSV:”	1
Multi SPKR Mute	“MSM:”	1
Multi Room Source Sel.	“MSC:”	1
SPEAKER A/B	“SPK:”	1
Status		Layer
SLEEP	“SLP:”	2
Surr. Mode	“SUR:”	2
Tuner Preset	“TPR:”	2
Tuner Mode	“TMD:”	2
Multi Room Volume Set	“MVS:”	2
Multi SPEAKER	“MSP:”	2
Multi SPKR volume set	“MST:”	2
Multi Room SLEEP	“MSL:”	2
Multi Room Tuner Preset	“MTP:”	2
Multi Room Tuner Mode	“MTM:”	2
Status		Layer
AUDIO ATT	“ATT:”	3
INPUT (A/D)	“INP:”	3
Dolby Head Phone mode	“DHM:”	3
Night Mode	“NGT:”	3
HT-EQ	“REQ:”	3
Tuner Frequency	“TFQ:”	3
Multi Room Tuner Freq.	“MTF:”	3
Status		Layer
SETUP MENU	“MNU:”	4
Simple Setup	“SSU:”	4
Lip Sync Delay	“LIP:”	4
Channel Level	“CHL:”	4
Signal Format	“SIG:”	4
Sampling Frequency	“SFG:”	4
Channel Status	“CHS:”	4