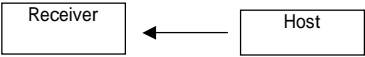
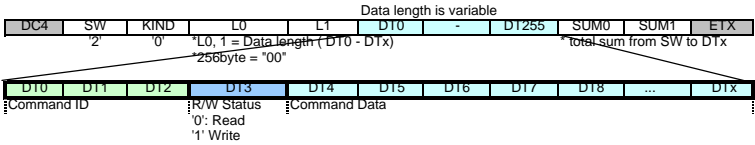


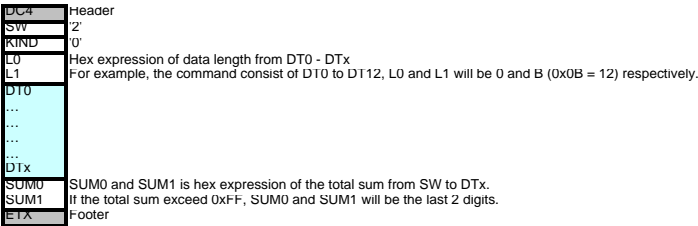
Commands from Host to Slave(Receiver)



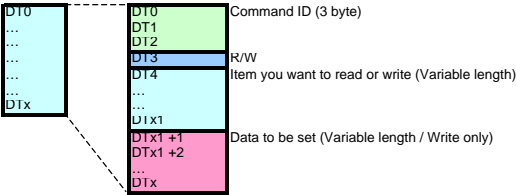
Extended command from the host to the receiver consist of the bytes as illustrated below.



When you read ore write some parameter, the command from the host will consist of the following structure.



Following is the data structure from DT0 to DTx.



From the next page, Only from the DT0 to DTx byte will be illustrated.

	DT0	DT1	DT2	DT3	DT4	...
System Information	'0'	'0'	'0'	'0'	ID	
	Read Only				'0'	Zone2
					'1'	Tuner
					'2'	OSD Format
					'3'	Effect ch
					'4'	Digital Format
					'5'	DC Trigger
					'6'	Preset
					'7'	Zone3
					'F'	Model Name
Input Information	'0'	'0'	'1'	'0'	ID	Read Only
	Read Only				'0'	SP Out
					'1'	Audio Input Analog
					'2'	Audio Input Optical
					'3'	Audio Input Coaxial
					'4'	Audio Input D.D.RF
					'5'	Video Input Composite / S
					'6'	Video Input Component
					'7'	Audio Output Analog
					'8'	Audio Output Optiocal
					'9'	Video Output Composite / S
DSP Information	'0'	'0'	'2'	'0'	ID	Read Only
	Read Only				'0'	Program
					'1'	User Parameters

I/O Assign

0	1	0	0 / 1	TYPE	No	Input ID
				0	Coaxial IN	
				1	Optical OUT	
				2	Optical IN	
				3	Component Video	
				4		
				5	Multi Main	
				0	1	or
				1	2	or
				2	3	or
				3	4	or
				4	5	or
				5	6	or
				0	Phono	A
				1	CD	B
				2	Tuner	C
				3	CD-R	D
				4	MD/Tape	E
				5	DVD	F
				6	D-TV/LD	
				7	CBL/SAT	
				8	SAT	
				9	VCR1	
				A	VCR2/DVR	
				B	VCR3	
				C	V-AUX	
				D	LD-RF	

Rename

0	1	1	0 / 1	Rename	SUB ID 1	SUB ID 2	Data No. 1	Data No. 2	Command Data
				0	Input				
				0	0	0	Phono		
				0	1	1	CD		
				0	2	2	Tuner		
				0	3	3	CD-R		
				0	4	4	MD/Tape		
				0	5	5	DVD		
				0	6	6	D-TV/LD		
				0	7	7	CBL/SAT		
				0	8	8	SAT		
				0	9	9	VCR1		
				0	A	A	VCR2/DVR		
				0	B	B	VCR3		
				0	C	C	V-AUX		
				0	D	D	LD-RF		
					Character No.				
					X	X	character number (= "08")		
							New Name (8 characters)		
					X	...	X		

User Parameter

0	2	0	0 / 1	DSP ID	Parameter ID	Parameter Data
* See Appendix 1 for the DSP Program ID for each Model.	0	0	0	0	0	Hall A
				0	1	Hall B
				0	2	Hall C
				0	3	
				0	4	Hall D
				0	5	Hall E
				0	6	Live Concert
				0	7	
				0	8	Tokyo
				0	9	Freiburg
				0	A	Royaumont
				0	B	
				0	C	Village Gate
				0	D	Village Vanguard
				0	E	The Bottom Line
				0	F	
				1	0	Roxy Theatre
				1	1	Warehouse Loft
				1	2	Arena
				1	3	
				1	4	Disco
				1	5	Party
				1	6	Game
				1	7	5/6/8 ch Stereo
				1	8	Pop/Rock
				1	9	DJ
				1	A	
				1	B	
				1	C	Classical / Opera
				1	D	Pavilion
				1	E	
				1	F	
	2	0	0	2	0	Mono Movie
				2	1	Variety / Sports
				2	2	
				2	3	
				2	4	Spectacle
				2	5	Sci-Fi
				2	6	
				2	7	
				2	8	Adventure
				2	9	General
				2	A	
				2	B	
				2	C	Normal
				2	D	Enhanced
				2	E	
				2	F	
				3	0	Pro Logic
				3	1	Pro Logic II
				3	2	Pro Logic II
				3	3	Pro Logic II
	3	4	0	3	4	2CH STEREO
				3	5	
				3	6	THX CINEMA (ULTRA2)
				3	7	
				3	8	HALL H
	3	9	0	3	9	HALL F
				3	A	HALL G
				3	0	STRAIGHT

Parameter ID			
0	0	P. Init. Delay	
0	1	P. Room Size	
0	2	P. Liveness	
0	5	S. Init Delay	
0	6	S. Room Size	
0	7	S. Liveness	
0	8	RC. Init. Delay	
0	9	RC Room Size	
0	A	RC Liveness	
0	B	Rev. Time	
0	C	Rev. Delay	
0	D	Rev. Level	
0	E	DSP Level	
0	F	Panorama	
1	0	Dimention	
1	1	CT Width	
1	2	C. Image	
1	3	CT Level	
1	4	RL Level	
1	5	RC Level	
1	6	RR Level	
1	7	FL Level	
1	8	FR Level	
1	9	SBL LEVEL	
1	A	SBR LEVEL	
1	B	MATRIX	
1	C	DIAL LIFT	
		Parameter Data	
P. Init. Delay	X	X	"01" - "63"
P. Room Size	X	X	"01" - "14"
P. Liveness	X	X	"00" - "0A"
S. Init Delay	X	X	"00" - "1E"
S. Room Size	X	X	"01" - "31"
S. Liveness	X	X	"00" - "0A"
RC. Init. Delay	X	X	"01" - "31"
RC Room Size	X	X	"01" - "14"
RC Liveness	X	X	"00" - "0A"
Rev. Time	X	X	"0A" - "32"
Rev. Delay	X	X	"00" - "FA"
Rev. Level	X	X	"00" - "64"
DSP Level	X	X	"00" - "09"
Panorama	X	X	"00" - "01"
Dimention	X	X	"00" - "06"
CT Width	X	X	"00" - "07"
C. Image	X	X	"00" - "05"
CT Level	X	X	"00" - "64"
RL Level	X	X	"00" - "64"
RC Level	X	X	"00" - "64"
RR Level	X	X	"00" - "64"
FL Level	X	X	"00" - "64"
FR Level	X	X	"00" - "64"
SBL LEVEL	X	X	"00" - "64"
SBR LEVEL	X	X	"00" - "64"
MATRIX	X	X	"00" - "08"
DIAL LIFT	X	X	

00: Prologic

01: PL2 Movie

02: PL2 Music

03: PL2 Game

04: Neo6 Cinema

05: Neo6 Music

06: PL2 Movie

07: PL2 Music

08: PL2 Game

00: Prologic
01: PL2 Movie
02: PL2 Music
03: PL2 Game
04: Neo6 Cinema
05: Neo6 Music
06: PL2 Movie
07: PL2 Music
08: PL2 Game

Parameter Initialize

0' 2' 2' 0' / 1'

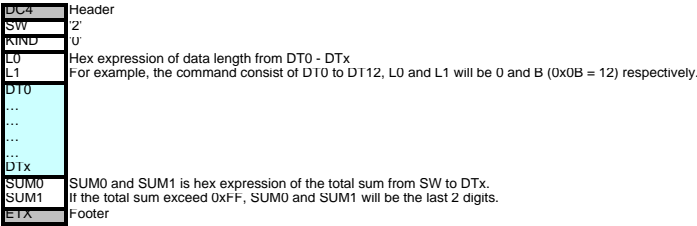
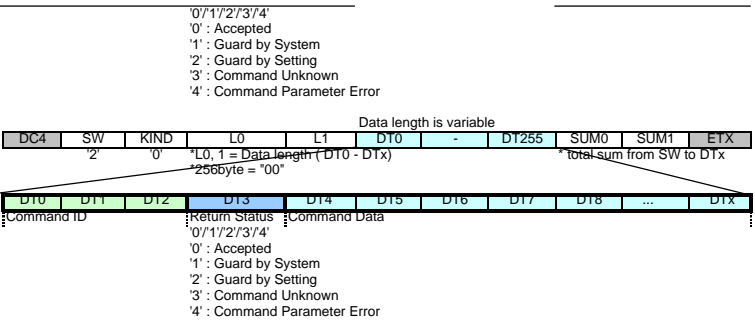
* See Appendix 1 for the DSP Program ID for each Model.

DSP ID	
0'	0'
0'	1'
0'	2'
0'	3'
0'	4'
0'	5'
0'	6'
0'	7'
0'	8'
0'	9'
0'	A'
0'	B'
0'	C'
0'	D'
0'	E'
0'	F'
1'	0'
1'	1'
1'	2'
1'	3'
1'	4'
1'	5'
1'	6'
1'	7'
1'	8'
1'	9'
1'	A'
1'	B'
1'	C'
1'	D'
1'	E'
1'	F'
2'	0'
2'	1'
2'	2'
2'	3'
2'	4'
2'	5'
2'	6'
2'	7'
2'	8'
2'	9'
2'	A'
2'	B'
2'	C'
2'	D'
2'	E'
2'	F'
3'	0'
3'	1'
3'	2'
3'	3'
3'	4'
3'	5'
3'	6'
3'	7'
3'	8'
3'	9'
3'	A'
3'	B'
3'	C'
3'	D'
3'	E'
3'	F'
3'	G'
3'	H'
3'	I'
3'	J'
3'	K'
3'	L'
3'	M'
3'	N'
3'	O'
3'	P'
3'	Q'
3'	R'
3'	S'
3'	T'
3'	U'
3'	V'
3'	W'
3'	X'
3'	Y'
3'	Z'
3'	AA'
3'	AB'
3'	AC'
3'	AD'
3'	AE'
3'	AF'
3'	AG'
3'	AH'
3'	AI'
3'	AJ'
3'	AK'
3'	AL'
3'	AM'
3'	AN'
3'	AO'
3'	AP'
3'	AQ'
3'	AR'
3'	AS'
3'	AT'
3'	AU'
3'	AV'
3'	AW'
3'	AX'
3'	AY'
3'	AZ'
3'	BA'
3'	BB'
3'	BC'
3'	BD'
3'	BE'
3'	BF'
3'	BG'
3'	BH'
3'	BI'
3'	BJ'
3'	BK'
3'	BL'
3'	BM'
3'	BN'
3'	BO'
3'	BP'
3'	BQ'
3'	BR'
3'	BS'
3'	BT'
3'	BU'
3'	BV'
3'	BW'
3'	BX'
3'	BY'
3'	BZ'
3'	CA'
3'	CB'
3'	CC'
3'	CD'
3'	CE'
3'	CF'
3'	CG'
3'	CH'
3'	CI'
3'	CJ'
3'	CK'
3'	CL'
3'	CM'
3'	CN'
3'	CO'
3'	CP'
3'	CQ'
3'	CR'
3'	CS'
3'	CT'
3'	CU'
3'	CV'
3'	CW'
3'	CX'
3'	CY'
3'	CZ'
3'	DA'
3'	DB'
3'	DC'
3'	DD'
3'	DE'
3'	DF'
3'	DG'
3'	DH'
3'	DI'
3'	DJ'
3'	DK'
3'	DL'
3'	DM'
3'	DN'
3'	DO'
3'	DP'
3'	DQ'
3'	DR'
3'	DS'
3'	DT'
3'	DU'
3'	DV'
3'	DW'
3'	DX'
3'	DY'
3'	DZ'
3'	EA'
3'	EB'
3'	EC'
3'	ED'
3'	EE'
3'	EF'
3'	EG'
3'	EH'
3'	EI'
3'	EJ'
3'	EK'
3'	EL'
3'	EM'
3'	EN'
3'	EO'
3'	EP'
3'	EQ'
3'	ER'
3'	ES'
3'	ET'
3'	EU'
3'	EV'
3'	EW'
3'	EX'
3'	EY'
3'	EZ'
3'	FA'
3'	FB'
3'	FC'
3'	FD'
3'	FE'
3'	FF'
3'	FG'
3'	FH'
3'	FI'
3'	FJ'
3'	FK'
3'	FL'
3'	FM'
3'	FN'
3'	FO'
3'	FP'
3'	FQ'
3'	FR'
3'	FS'
3'	FT'
3'	FU'
3'	FV'
3'	FW'
3'	FX'
3'	FY'
3'	FZ'
3'	GA'
3'	GB'
3'	GC'
3'	GD'
3'	GE'
3'	GF'
3'	GG'
3'	GH'
3'	GI'
3'	GJ'
3'	GK'
3'	GL'
3'	GM'
3'	GN'
3'	GO'
3'	GP'
3'	GQ'
3'	GR'
3'	GS'
3'	GT'
3'	GU'
3'	GV'
3'	GW'
3'	GX'
3'	GY'
3'	GZ'
3'	HA'
3'	HB'
3'	HC'
3'	HD'
3'	HE'
3'	HF'
3'	HG'
3'	HH'
3'	HI'
3'	HJ'
3'	HK'
3'	HL'
3'	HM'
3'	HN'
3'	HO'
3'	HP'
3'	HQ'
3'	HR'
3'	HS'
3'	HT'
3'	HU'
3'	HV'
3'	HW'
3'	HX'
3'	HY'
3'	HZ'
3'	IA'
3'	IB'
3'	IC'
3'	ID'
3'	IE'
3'	IF'
3'	IG'
3'	IH'
3'	II'
3'	IJ'
3'	IK'
3'	IL'
3'	IM'
3'	IN'
3'	IO'
3'	IP'
3'	IQ'
3'	IR'
3'	IS'
3'	IT'
3'	IU'
3'	IV'
3'	IW'
3'	IX'
3'	IY'
3'	IZ'
3'	JA'
3'	JB'
3'	JC'
3'	JD'
3'	JE'
3'	JF'
3'	JG'
3'	JH'
3'	JI'
3'	JJ'
3'	JK'
3'	JL'
3'	JM'
3'	JN'
3'	JO'
3'	JP'
3'	JQ'
3'	JR'
3'	JS'
3'	JT'
3'	JU'
3'	JV'
3'	JW'
3'	JX'
3'	JY'
3'	JZ'
3'	KA'
3'	KB'
3'	KC'
3'	KD'
3'	KE'
3'	KF'
3'	KG'
3'	KH'
3'	KI'
3'	KJ'
3'	KK'
3'	KL'
3'	KM'
3'	KN'
3'	KO'
3'	KP'
3'	KQ'
3'	KR'
3'	KS'
3'	KT'
3'	KU'
3'	KV'
3'	KW'
3'	KX'
3'	KY'
3'	KZ'
3'	LA'
3'	LB'
3'	LC'
3'	LD'
3'	LE'
3'	LF'
3'	LG'
3'	LH'
3'	LI'
3'	LJ'
3'	LK'
3'	LL'
3'	LM'
3'	LN'
3'	LO'
3'	LP'
3'	LQ'
3'	LR'
3'	LS'
3'	LT'
3'	LU'
3'	LV'
3'	LW'
3'	LX'
3'	LY'
3'	LZ'
3'	MA'
3'	MB'
3'	MC'
3'	MD'
3'	ME'
3'	MF'
3'	MG'
3'	MH'
3'	MI'
3'	MJ'
3'	MK'
3'	ML'
3'	MM'
3'	MN'
3'	MO'
3'	MP'
3'	MQ'
3'	MR'
3'	MS'
3'	MT'
3'	MU'
3'	MV'
3'	MW'
3'	MX'
3'	MY'
3'	MZ'
3'	NA'
3'	NB'
3'	NC'
3'	ND'
3'	NE'
3'	NF'
3'	NG'
3'	NH'
3'	NI'
3'	NJ'
3'	NK'
3'	NL'
3'	NM'
3'	NN'
3'	NO'
3'	NP'
3'	NQ'
3'	NR'
3'	NS'
3'	NT'
3'	NU'
3'	NV'
3'	NW'
3'	NX'
3'	NY'
3'	NZ'
3'	OA'
3'	OB'
3'	OC'
3'	OD'
3'	OE'
3'	OF'
3'	OG'
3'	OH'
3'	OI'
3'	OJ'
3'	OK'
3'	OL'
3'	OM'
3'	ON'
3'	OO'
3'	OP'
3'	OQ'
3'	OR'
3'	OS'
3'	OT'
3'	OU'
3'	OV'
3'	OW'
3'	OX'
3'	OY'
3'	OZ'
3'	PA'
3'	PB'
3'	PC'
3'	PD'
3'	PE'
3'	PF'
3'	PG'
3'	PH'
3'	PI'
3'	PJ'
3'	PK'
3'	PL'
3'	PM'
3'	PN'
3'	PO'
3'	PP'
3'	PQ'
3'	PR'
3'	PS'
3'	PT'
3'	PU'
3'	PV'
3'	PW'
3'	PX'
3'	PY'
3'	PZ'
3'	QA'
3'	QB'
3'	QC'
3'	QD'
3'	QE'
3'	QF'
3'	QG'
3'	QH'
3'	QI'
3'	QJ'
3'	QK'
3'	QL'
3'	QM'
3'	QN'
3'	QO'
3'	QP'
3'	QQ'
3'	QR'
3'	QS'
3'	QT'
3'	QU'
3'	QV'
3'	QW'
3'	QX'
3'	QY'
3'	QZ'
3'	RA'
3'	RB'
3'	RC'
3'	RD'
3'	RE'
3'	RF'
3'	RG'
3'	RH'
3'	RI'
3'	RJ'
3'	RK'
3'	RL'
3'	RM'
3'	RN'
3'	RO'
3'	RP'
3'	RQ'
3'	RR'
3'	RS'
3'	RT'
3'	RU'
3'	RV'
3'	RW'
3'	RX'
3'	RY'
3'	RZ'
3'	SA'
3'	SB'
3'	SC'
3'	SD'
3'	SE'
3'	SF'
3'	SG'
3'	SH'
3'	SI'
3'	SJ'
3'	SK'
3'	SL'
3'	SM'
3'	SN'
3'	SO'
3'	SP'
3'	SQ'
3'	SR'
3'	SS'
3'	ST'
3'	SU'
3'	SV'
3'	SW'
3'	SX'
3'	SY'
3'	SZ'
3'	TA'
3'	TB'
3'	TC'
3'	TD'
3'	TE'
3'	TF'
3'	TG'
3'	TH'
3'	TI'
3'	TJ'
3'	TK'
3'	TL'
3'	TM'
3'	TN'
3'	TO'
3'	TP'
3'	TQ'
3'	TR'
3'	TS'
3'	TT'
3'	TU'
3'	TV'
3'	TW'
3'	TX'
3'	TY'
3'	TZ'
3'	UA'
3'	UB'
3'	UC'
3'	UD'
3'	UE'
3'	UF'
3'	UG'
3'	UH'
3'	UI'
3'	UJ'
3'	UK'
3'	UL'
3'	UM'
3'	UN'
3'	UO'
3'	UP'
3'	UQ'
3'	UR'
3'	US'
3'	UT'
3'	UU'
3'	UV'
3'	UW'
3'	UX'
3'	UY'
3'	UZ'
3'	VA'
3'	VB'
3'	VC'
3'	VD'
3'	VE'
3'	VF'
3'	VG'
3'	VH'
3'	VI'
3'	VJ'
3'	VK'
3'	VL'
3'	VM'
3'	VN'
3'	VO'
3'	VP'
3'	VQ'
3'	VR'
3'	VS'
3'	VT'
3'	VU'
3'	VV'
3'	VW'
3'	VX'
3'	VY'
3'	VZ'
3'	WA'
3'	WB'
3'	WC'
3'	WD'
3'	WE'
3'	WF'
3'	WG'
3'	WH'
3'	WI'
3'	WJ'
3'	WK'
3'	WL'
3'	WM'
3'	WN'
3'	WO'
3'	WP'
3'	WQ'
3'	WR'
3'	WS'
3'	WT'
3'	WU'
3'	WV'
3'	WW'
3'	WX'
3'	WY'
3'	WZ'
3'	XA'
3'	XB'
3'	XC'
3'	XD'
3'	XE'
3'	XF'
3'	XG'
3'	XH'
3'	XI'
3'	XJ'
3'	XK'
3'	XL'
3'	XM'
3'	XN'
3'	XO'
3'	XP'
3'	XQ'
3'	XR'
3'	XS'
3'	XT'
3'	XU'
3'	XV'
3'	XW'
3'	XX'
3'	XY'
3'	XZ'
3'	YA'
3'	YB'
3'	YC'
3'	YD'
3'	YE'
3'	YF'
3'	YG'
3'	YH'
3'	YI'
3'	YJ'
3'	YK'
3'	YL'
3'	YM'
3'	YN'
3'	YO'
3'	YP'
3'	YQ'
3'	YR'
3'	YS'
3'	YT'
3'	YU'
3'	YV'
3'	YW'
3'	YX'
3'	YY'
3'	YZ'
3'	ZA'
3'	ZB'
3'	ZC'
3'	ZD'
3'	ZE'
3'	ZF'
3'	ZG'
3'	ZH'
3'	ZI'
3'	ZJ'
3'	ZK'
3'	ZL'
3'	ZM'
3'	ZN'
3'	ZO'
3'	ZP'
3'	ZQ'
3'	ZR'
3'	ZS'
3'	ZT'
3'	ZU'
3'	ZV'
3'	ZW'
3'	ZX'
3'	ZY'
3'	ZZ'
3'	AA'
3'	AB'
3'	AC'
3'	

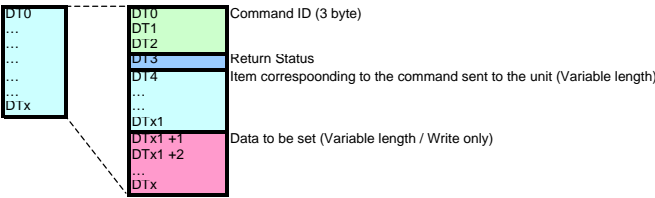
Tuner

[illegible]

Return Commands from Slave to Host



Following is the data structure from DT0 to DTx.



From the next page, Only from the DT0 to DTx byte will be illustrated.



Input Information

0'	0'	1'	0'/1'/2'/3'/4'	ID	Data Number	Command Data
				0'	SP OUT	
				X'	X'	Data No
						Ch ID
				0'	0'	Main L
				0'	1'	Main R
				0'	2'	Center
				0'	3'	Rear L
				0'	4'	Rear R
				0'	5'	Rear CT
				0'	6'	Front L
				0'	7'	Front R
				0'	8'	SRR B(L)
				0'	9'	SRR B(R)
				0'	A'	SWFR(L)
				0'	B'	SWFR(R)
1'						Audio Input Analog
2'						Audio Input Optical
3'						Audio Input Coaxial
4'						Audio Input D.D.RF
5'						Video Input Composite / S
6'						Video Input Component
7'						Audio Output Analog
8'						Audio Output Optical
9'						Video Output Composite / S
				X'	X'	Data No
						Ch ID
				0'	0'	Phono
				0'	1'	CD
				0'	2'	Tuner
				0'	3'	CD-R
				0'	4'	MD/Tape
				0'	5'	DVD
				0'	6'	D-TV/LD
				0'	7'	CBL/SAT
				0'	8'	SAT
				0'	9'	VCR1
				0'	A'	VCR2/DVR
				0'	B'	VCR3
				0'	C'	V-AUX
				0'	D'	LD-RF

DSP Information

0'	0'	2'	0/1/2/3/4'	ID	Data Number	Command Data
				0'	Program	
				X'	X'	Data No
						Program ID
				0'	0'	Hall A
				0'	1'	Hall B
				0'	2'	Hall C
				0'	3'	
				0'	4'	Hall D
				0'	5'	Hall E
				0'	6'	Live Concert
				0'	7'	
				0'	8'	Tokyo
				0'	9'	Freiburg
				0'	A'	Royaumont
				0'	B'	
				0'	C'	Village Gate
				0'	D'	Village Vanguard
				0'	E'	The Bottom Line
				0'	F'	
				1'	0'	Roxy Theatre
				1'	1'	Warehouse Loft
				1'	2'	Arena
				1'	3'	
				1'	4'	Disco
				1'	5'	Party
				1'	6'	Game
				1'	7'	6/8 ch Stereo
				1'	8'	Pop/Rock
				1'	9'	DJ
				1'	A'	
				1'	B'	
				1'	C'	Classical / Opera
				1'	D'	Pavilion
				1'	E'	
				1'	F'	
				2'	0'	Mono Movie
				2'	1'	Variety / Sports
				2'	2'	
				2'	3'	
				2'	4'	Spectacle
				2'	5'	Sci-Fi
				2'	6'	
				2'	7'	
				2'	8'	Adventure
				2'	9'	General
				2'	A'	
				2'	B'	
				2'	C'	Normal
				2'	D'	Enhanced
				2'	E'	
				2'	F'	
				3'	0'	Pro Logic II Movie
				3'	1'	Pro Logic II Music
				3'	2'	NEO:6 Cinema
				3'	3'	NEO:6 Music
				3'	4'	2CH STEREO
				3'	5'	DIRECT STEREO
				3'	6'	THX CINEMA (ULTRA2)
				3'	7'	
				3'	8'	PRO LOGIC Game
				8'	0'	STRAIGHT

* See Appendix 1 for the DSP Program ID for each Model.

DSP Information

0	0	2	0/1/2/3/4	ID	Data Number	Command Data
				1	User Parameter	
				X	X	Data No
						Parameter ID
				0	0	P. Init. Delay
				0	1	P. Room Size
				0	2	P. Liveness
				0	3	S. Delay (2ch)
				0	4	S. Delay (Multi ch)
				0	5	S. Init Delay
				0	6	S. Room Size
				0	7	S. Liveness
				0	8	RC. Init. Delay
				0	9	RC Room Size
				0	A	RC Liveness
				0	B	Rev. Time
				0	C	Rev. Delay
				0	D	Rev. Level
				0	E	DSP Level
				0	F	Panorama
				1	0	Dimension
				1	1	CT Width
				1	2	C. Image
				1	3	CT Level
				1	4	RL Level
				1	5	RC Level
				1	6	RR Level
				1	7	FL Level
				1	8	FR Level
				1	9	SBL LEVEL
				1	A	SBR LEVEL
				1	B	MATRIX
				1	C	DIAL LIFT
				1	D	2CH DECODE
				1	E	Pro Logic / PLIIx

I/O Assign

0	1	0	0/1/2/3/4	TYPE	No	Input ID
				0	Coaxial IN	
				1	Optical OUT	
				2	Optical IN	
				3	Component Video	
				0	1	or A
				1	2	or B
				2	3	or C
				3	4	or D
				4	5	or E
				5	6	or F
				0	Phono	
				1	CD	
				2	Tuner	
				3	CD-R	
				4	MD/Tape	
				5	DVD	
				6	D-TV/LD	
				7	CBL/SAT	
				8	SAT	
				9	VCR1	
				A	VCR2/DVR	
				B	VCR3	
				C	V-AUX	
				D	LD-RF	

Rename

0	1	1	0/1/2/3/4	Rename	SUB ID 1	SUB ID2	Data No. 1	Data No. 2	Command Data
				0					
				Input					
				0	0	Phono			
				0	1	CD			
				0	2	Tuner			
				0	3	CD-R			
				0	4	MD/Tape			
				0	5	DVD			
				0	6	D-TV/LD			
				0	7	CBL/SAT			
				0	8	SAT			
				0	9	VCR1			
				0	A	VCR2/DVR			
				0	B	VCR3			
				0	C	V-AUX			
				0	D	LD-RF			
				Character No.					
				X	X	character number (= "08")			
				New Name (8 characters)					
				X	...	X			

User Parameter

0	2	0	0/1/2/3/4	DSP ID	Parameter ID	Parameter Data
* See Appendix 1 for the DSP Program ID for each Model.	0	0	0	0	0	Hall A
	0	0	1	1	1	Hall B
	0	0	2	2	2	Hall C
	0	0	3	3	3	
	0	0	4	4	4	Hall D
	0	0	5	5	5	Hall E
	0	0	6	6	6	Live Concert
	0	0	7	7	7	
	0	0	8	8	8	Tokyo
	0	0	9	9	9	Freiburg
	0	0	A	A	A	Royaumont
	0	0	B	B	B	
	0	0	C	C	C	Village Gate
	0	0	D	D	D	Village Vanguard
	0	0	E	E	E	The Bottom Line
	0	0	F	F	F	
	1	0	0	0	0	Roxy Theatre
	1	0	1	1	1	Warehouse Loft
	1	0	2	2	2	Arena
	1	0	3	3	3	
	1	0	4	4	4	Disco
	1	0	5	5	5	Party
	1	0	6	6	6	Game
	1	0	7	7	7	6/8 ch Stereo
	1	0	8	8	8	Pop/Rock
	1	0	9	9	9	DJ
	1	0	A	A	A	
	1	0	B	B	B	
	1	0	C	C	C	Classical / Opera
	1	0	D	D	D	Pavilion
	1	0	E	E	E	
	1	0	F	F	F	
	2	0	0	0	0	Mono Movie
	2	0	1	1	1	Variety / Sports
	2	0	2	2	2	
	2	0	3	3	3	
	2	0	4	4	4	Spectacle
	2	0	5	5	5	Sci-Fi
	2	0	6	6	6	
	2	0	7	7	7	
	2	0	8	8	8	Adventure
	2	0	9	9	9	General
	2	0	A	A	A	
	2	0	B	B	B	
	2	0	C	C	C	Normal
	2	0	D	D	D	Enhanced
	2	0	E	E	E	
	2	0	F	F	F	
	3	0	0	0	0	Pro Logic II Movie
	3	0	1	1	1	Pro Logic II Music
	3	0	2	2	2	NEO:6 Cinema
	3	0	3	3	3	NEO:6 Music
	3	0	4	4	4	2CH STEREO
	3	0	5	5	5	DIRECT STEREO
	3	0	6	6	6	THX CINEMA (ULTRA2)
	3	0	7	7	7	
	8	0	0	0	0	STRAIGHT

Parameter ID		
0	0	P. Init. Delay
0	1	P. Room Size
0	2	P. Liveness
0	3	S. Delay (2ch)
0	4	S. Delay (Multi ch)
0	5	S. Init Delay
0	6	S. Room Size
0	7	S. Liveness
0	8	RC. Init. Delay
0	9	RC Room Size
0	A	RC Liveness
0	B	Rev. Time
0	C	Rev. Delay
0	D	Rev. Level
0	E	DSP Level
0	F	Panorama
1	0	Dimension
1	1	CT Width
1	2	C. Image
1	3	CT Level
1	4	RL Level
1	5	RC Level
1	6	RR Level
1	7	FL Level
1	8	FR Level

Parameter Data			
P. Init. Delay	X	X	"01" - "63"
P. Room Size	X	X	"01" - "14"
P. Liveness	X	X	"00" - "0A"
S. Delay (2ch)	X	X	"0A" - "19"
S. Delay (Multi ch)	X	X	"00" - "0F"
S. Init Delay	X	X	"00" - "1E"
S. Room Size	X	X	"01" - "31"
S. Liveness	X	X	"00" - "0A"
RC. Init. Delay	X	X	"01" - "31"
RC Room Size	X	X	"01" - "14"
RC Liveness	X	X	"00" - "0A"
Rev. Time	X	X	"0A" - "32"
Rev. Delay	X	X	"00" - "FA"
Rev. Level	X	X	"00" - "64"
DSP Level	X	X	"00" - "09"
Panorama	X	X	"00" - "01"
Dimension	X	X	"00" - "06"
CT Width	X	X	"00" - "07"
C. Image	X	X	"00" - "05"
CT Level	X	X	"00" - "64"
RL Level	X	X	"00" - "64"
RC Level	X	X	"00" - "64"
RR Level	X	X	"00" - "64"
FL Level	X	X	"00" - "64"
FR Level	X	X	"00" - "64"

Parameter Initialize

0' 2' 2' 0/1/2/3/4

* See Appendix 1 for the DSP Program ID for each Model.

DSP ID	
0' 0'	Hall A
0' 1'	Hall B
0' 2'	Hall C
0' 3'	
0' 4'	Hall D
0' 5'	Hall E
0' 6'	Live Concert
0' 7'	
0' 8'	Tokyo
0' 9'	Freiburg
0' A	Royaumont
0' B	
0' C	Village Gate
0' D	Village Vanguard
0' E	The Bottom Line
0' F	
1' 0'	Roxy Theatre
1' 1'	Warehouse Loft
1' 2'	Arena
1' 3'	
1' 4'	Disco
1' 5'	Party
1' 6'	Game
1' 7'	6/8 ch Stereo
1' 8'	Pop/Rock
1' 9'	DJ
1' A	
1' B	
1' C	Classical / Opera
1' D	Pavilion
1' E	
1' F	
2' 0'	Mono Movie
2' 1'	Variety / Sports
2' 2'	
2' 3'	
2' 4'	Spectacle
2' 5'	Sci-Fi
2' 6'	
2' 7'	
2' 8'	Adventure
2' 9'	General
2' A	
2' B	
2' C	Normal
2' D	Enhanced
2' E	
2' F	
3' 0'	Pro Logic II Movie
3' 1'	Pro Logic II Music
3' 2'	NEO:6 Cinema
3' 3'	NEO:6 Music
3' 4'	2CH STEREO
3' 5'	DIRECT STEREO
3' 6'	THX CINEMA (ULTRA2)
3' 7'	
3' 8'	STRAIGHT

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I																	

Appendix

1. DSP Program ID Table

Program ID		
0	0	Hall A
0	1	Hall B
0	2	Hall C
0	3	
0	4	Hall D
0	5	Hall E
0	6	Live Concert
0	7	
0	8	Tokyo
0	9	Freiburg
0	A	Royaumont
0	B	
0	C	Village Gate
0	D	Village Vanguard
0	E	The Bottom Line
0	F	
1	0	Roxy Theatre
1	1	Warehouse Loft
1	2	Arena
1	3	
1	4	Disco
1	5	Party
1	6	Game
1	7	6/8 ch Stereo
1	8	Pop/Rock
1	9	DJ
1	A	
1	B	
1	C	Classical / Opera
1	D	Pavilion
1	E	
1	F	
2	0	Mono Movie
2	1	Variety / Sports
2	2	
2	3	
2	4	Spectacle
2	5	Sci-Fi
2	6	
2	7	
2	8	Adventure
2	9	General
2	A	
2	B	
2	C	Normal
2	D	Enhanced
2	E	
2	F	
3	0	
3	1	
3	2	
3	3	
3	4	2CH STEREO
3	5	
3	6	THX CINEMA (ULTRA2)
3	7	
3	8	HALL H
3	9	HALL F
3	A	HALL G
8	0	STRAIGHT