Last Update

Extende RS-232C Command Protocol

Com port setting and the pin configuration is same as standard RS-232C protocol of RX-Z9.

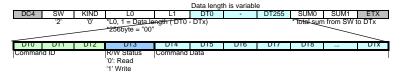
Commands from Host to Slave(Receiver)



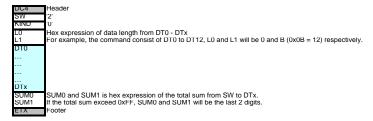
There are two types of command from the host to the Receiver.

- 1) Read Item
- 2) Write Item

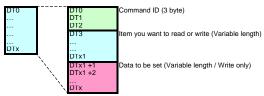
Extended command from the host to the receiver consist of the bytes as illustrated below.



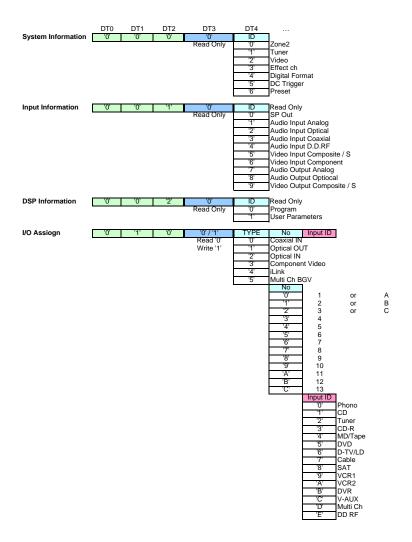
When you read some parameter, the command from the host will consist of the following structure.

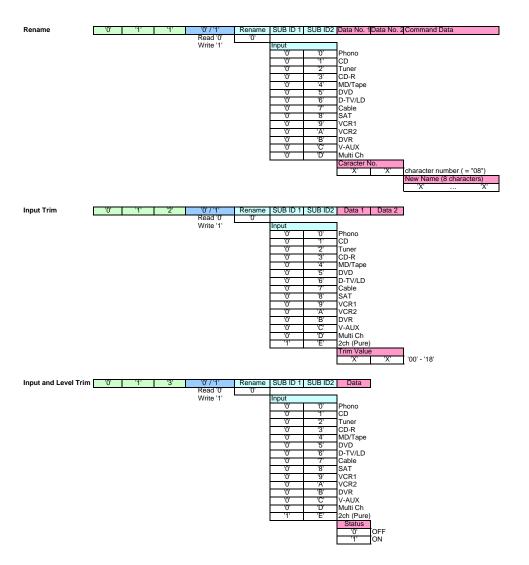


Following is the data structure from DT0 to DTx.



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





User	Para	ame	ter

'0' '2	יחי יכי	101 / 141	IDSD ID		Parameter ID I Parameter Pate
	2' '0'	'0' / '1' Read '0'	DSP ID	'0'	Parameter ID Parameter Data Hall A
		Write '1'	-0'	'1'	Hall B
			'0'	'2'	Hall C
See Append			'0'	'3'	
SP Program	ID for each N	/lodel.	.0.	'4'	Hall D
			,0,	'5'	Hall E
			'0'	'6'	Live Concert
			'0'	'8'	Tokyo
			-0,	'9'	Freiburg
			Ö	'A'	Royaumont
			'0'	'B'	
			'0'	'C'	Village Gate
			'0'	'D'	Village Vanguard
			'0'	E,	The Bottom Line
			0'	'F'	Days Theatre
			'1'	'0' '1'	Roxy Theatre Warehouse Loft
			'1'	'2'	Arena
			'1'	'3'	
			'1'	'4'	Disco
			'1'	'5'	Party
			'1'	'6'	Game
			'1'	'7'	6/8 ch Stereo
			'1'	'8' '9'	Pop/Rock DJ
			11	.A. =	
			'1'	'B'	
			'1'	'C'	Classical / Opera
			'1'	'D'	Pavilion
			'1'	'E'	
			'1'	'F'	Mono Movie
			'2'	'0' '1'	Variety / Sports
			'2'	'2'	variety / oports
			'2'	'3'	
			'2'	'4'	Spectacle
			'2'	'5'	Sci-Fi
			'2'	'6'	
			121	101	Adventure
			'2'	'8' '9'	General
			'2'		Gerierai
			'2'	'B'	_
			'2'	'C'	Normal
			'2'	'D'	Enhanced
			'2'	,E,	_
			'2'	'F'	Pro Logio II Movio
			131	'1'	Pro Logic II Movie Pro Logic II Music
			'3'	'2'	NEO:6 Cinema
			-3'	-3'	NEO:6 Music
			'3'	'4'	2CH STEREO
			'3'	'5'	DIRECT STEREO
			,3,	'6' '7'	THX CINEMA (ULTRA2)
			'3'	'8'	THX MUSIC
					DBO LOCIC II. Como
				'a'	PRO LOGIC II Game
			'3'	'9'	HALL F
				'A' 'B'	
			,3,	'A'	HALL F HALL G HALL H STRAIGHT
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID "0" P. Init. Delay
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 1' P. Init. Delay 0' 1' P. Room Size
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 0' P. Init. Delay 0' 1' P. Room Size 0' 2' P. Liveness
			.3. .3.	'A' 'B'	HALL F HALL H STRAIGHT Parameter ID 10' 10' P. Init. Delay 10' 11' P. Room Size 10' 2' P. Liveness 10' 3' S. Delay (2ch)
			.3. .3.	'A' 'B'	HALL F HALL H STRAIGHT Parameter ID 10' 10' P. Init. Delay 10' 11' P. Room Size 10' 2' P. Liveness 10' 3' S. Delay (2ch)
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 0' P. Init. Delay 0' 1' P. Room Size 0' 2' P. Liveness 0' 3' S. Delay (Multi ch) 0' 4' S. Delay (Multi ch) 0' 5' S. Init Delay 0' 6' S. ROOM SIZE 0' 7' S.LIVENESS 0' 8' SB INIT. DELAY 0' 9' SB ROOM SIZE 0' 7' S.LIVENESS
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 0' P. Init. Delay 0' 1' P. Room Size 0' 2' P. Liveness 0' 3' S. Delay (Multi ch) 0' 4' S. Delay (Multi ch) 0' 5' S. Init Delay 0' 6' S. ROOM SIZE 0' 7' S.LIVENESS 0' 8' SB INIT. DELAY 0' 9' SB ROOM SIZE 0' 7' S.LIVENESS
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 1' P. Room Size 0' 2' P. Liveness 0' 12' P. Liveness 0' 13' S. Delay (Zeh) 0' 14' S. Delay (Multi ch) 0' 15' S. Init Delay 0' 16' S.ROOM SIZE 0' 7' S.LIVENESS 0' 8' SB INIT.DELAY 0' 9' SB ROOM SIZE 0' 10' 10' 10' SB LIVENESS 0' 10' 10' 10' SB LIVENESS 0' 10' 10' 10' REV. LEVEL 0' 10' 10' MIMENSION 11' 10' DIMENSION 11' 11' 10' TWIDTH
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 0' 1' P. Room Size 0' 2' P. Liveness 0' 2' P. Liveness 0' 3' S. Delay (Zoth) 0' 4' S. Delay (Multi ch) 0' 5' S. Init Delay 0' 6' S. ROOM SIZE 0' 7' S. LIVENESS 0' 8' SB INIT. DELAY 0' 9' SB ROOM SIZE 0' 1' A' SB LIVENESS 0' B REV. TIME 0' 0' 9' SB ROOM SIZE 0' 1' A' SB LIVENESS 0' B REV. TIME 0' 1' A' SB LIVENESS 0' B REV. TIME 0' 1' A' SB LIVENESS 0' B REV. TIME 0' 1' A' SB LIVENESS 0' B REV. TIME 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 0' 14' P. Room Size 0' 12' P. Liveness 0' 13' S. Delay (Multi ch) 0' 5' S. Init Delay 0' 14' S. Delay (Multi ch) 0' 5' S. Init Delay 0' 16' S. ROOM SIZE 0' 17' S.LIVENESS 0' 18' SB INIT DELAY 0' 19' SB ROOM SIZE 0' 17' S. BLIVENESS 0' 18' SB INIT DELAY 0' 19' SB ROOM SIZE 0' 17' SB ILVENESS 0' 18' REV. TIME 0' 10' 18' SB ILVENESS 0' 19' TA' SB LIVENESS 0' 19' TA' SP LIVENE 0' 19' TA' SB LIVENE 0' 19' TA' TA' TA' TA' TA' TA' TA' TA' TA' TA
			.3. .3.	'A' 'B'	HALL F HALL G HALL H STRAIGHT Parameter ID 0' 0' 1' P. Room Size 0' 2' P. Liveness 0' 2' P. Liveness 0' 3' S. Delay (Multi ch) 0' 4' S. Delay (Multi ch) 0' 5' S. Init Delay 0' 4' S. Delay (Multi ch) 0' 5' S. Init Delay 0' 6' S. ROOM SIZE 0' 7' S.LIVENESS 0' 8' SB INIT. DELAY 0' 9' SB ROOM SIZE 0' 1' A' SB LIVENESS 0' B REV.TIME 0' 0' B' REV. LEVEL 0' D' PREV. LEVEL 0' 1' C' REV. DELAY 0' D' REV. LEVEL 0' 1' 1' 1' C' LIMAGE 1' 1' 1' 1' C' LIMAGE 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1

		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"
	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"
1	SBL LEVEL	'X'	'X'	"00" - "64"
	SBR LEVEL	'X'	'X'	"00" - "64"
	MATRIX	'X'	'X'	"00" - "08"
	DIAL LIFT			
	THX DEC			

^MATRIX	.00.	Pro Logic
	'01'	PLII Movie
	'02'	PLII Music
	'03'	PLII Game
	'04'	DTS Neo:6 Cinema
	'05'	DTS Neo:6 Music
	'06'	PLIIx Movie
	'07'	PLOOx Music
	'08'	PLIIx Game

Maker	Parameter	
Marci	i didilictoi	

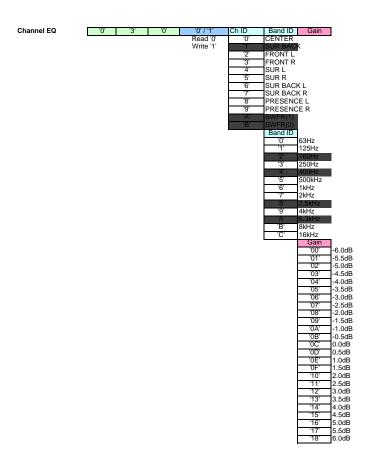
'0' '2' '0' '0'/'1'	DSP ID		Type Parameter ID Parameter Data
Read '0'	'0'	'0'	Hall A
Write '1'	,0,	'1' '2'	Hall B Hall C
* See Appendix 1 for the	'0'	'3'	
DSP Program ID for each Model.	.0.	'4'	Hall D
	'0'	'5' '6'	Hall E Live Concert
	.0.	'7'	
	,0,	'8'	Tokyo
	,0,	'9' 'A'	Freiburg Royaumont
	.0,	'B'	royaumon
	,0,	'C'	Village Gate
	,0,	'D'	Village Vanguard The Bottom Line
	,0,	'F'	THE BOROTT EITH
	'1'	'0'	Roxy Theatre
	'1'	'1' '2'	Warehouse Loft Arena
	'1'	'3'	Aleila
	'1'	'4'	Disco
	'1' '1'	'5' '6'	Party Game
	1	7	6/8 ch Stereo
	'1'	'8'	Pop/Rock
	'1'	'9'	DJ
	'1'	'B'	
	'1'	'C'	Classical / Opera
	'1'	,D,	Pavilion
	'1'	·F·	
	'2'	.0.	Mono Movie
	'2'	'1'	Variety / Sports
	'2'	'3'	-
	'2'	'4'	Spectacle
	121	'5'	Sci-Fi
	'2'	'6'	
	'2'	'8'	Adventure
	'2'	'9'	General
	'2'	'B'	-
	'2'	'C'	Normal
	'2'	,D,	Enhanced
	'2'	-F	-
	.3.	.0.	Pro Logic I Movie
	'3'	'1' '2'	Pro Logic I Music
	3	'3'	NEO:6 Cir ema NEO:6 Music
	'3'	'4'	2CH STEREO
	'3'	'5' '6'	DIRECT STEREO THX CINEMA (ULTRA2)
	'3'	'7'	THX MUSIC
	'3'	'8'	PRO LOGIC II Game
	'3'	'9'	HALL F HALL G
	'3'	'B'	HALL H
	'8'	'0'	STRAIGHT
			Type '0' Current
			'1' 2ch
			'2' AAC
			'3' DTS
			'4' DD '5' AAC+6.1
			'6' DTS+6.1
			'7' DD+6.1
			'8' Analog Multi '9' Multi+6.1
			- Mainto.1

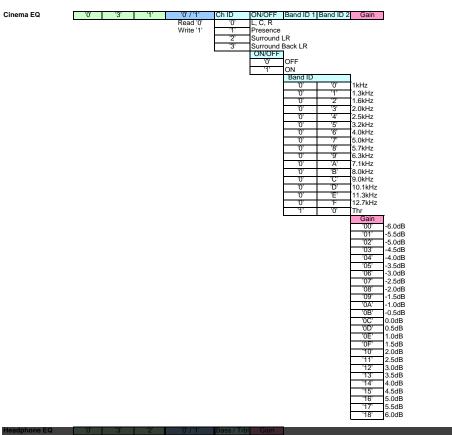
Parameter	· ID	Ī
'0'	'0'	P. Init. Delay
.0.	'1'	P. Room Size
'0'	'2'	P. Liveness
'0'	'3'	S. Delay (2ch)
.0.	'4'	S. Delay (Multi ch)
'0'	'5'	S. Init Delay
'0'	'6'	S.ROOM SIZE
.0.	'7'	S.LIVENESS
'0'	'8'	SB INIT.DELAY
'0'	'9'	SB ROOM SIZE
.0.	'A'	SB LIVENESS
'0'	'B'	REV.TIME
'0'	'C'	REV.DELAY
'0'	Ď	REV. LEVEL
'0'	Ė	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'	SB LEVEL
'1'	'6'	RR LEVEL
'1'	'7'	PL LEVEL
'1'	'8'	PR LEVEL
'1'	'9'	SBL LEVEL
'1'	'A'	SBR LEVEL
'1'	B	MATRIX
'1'	Ċ	DIAL LIFT
'1'	Ď	THX DEC
'1'	E.	PL2x
		Parameter Data

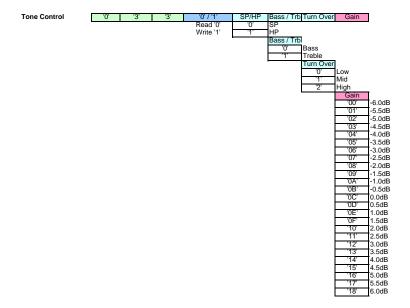
	Parameter	Data	
P. Init. Delay	,X,	'X'	"01" - "63"
P. Room Size	'X'	'X'	"01" - "14"
P. Liveness	'X'	'X'	"00" - "0A"
S. Delay (2ch)	'X'	'X'	"0A" - "19"
S. Delay (Multi ch)	'X'	'X'	"00" - "0F"
S. Init Delay	'X'	'X'	"00" - "1E"
S. Room Size	'X'	'X'	"01" - "31"
S. Liveness	'X'	'X'	"00" - "0A"
RC. Init. Delay	'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"
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" - "05"

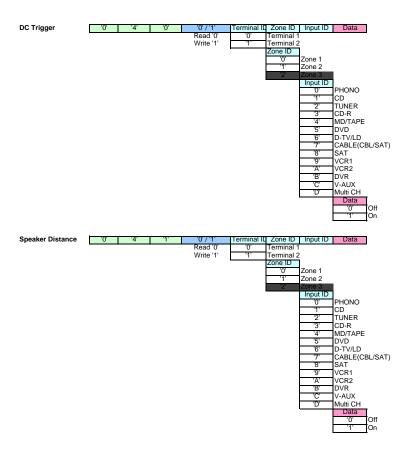
'00'	Pro Logic
'01'	PLII Movie
'02'	PLII Music
'03'	PLII Game
'04'	DTS Neo:6 Cinema
'05'	DTS Neo:6 Music
'06'	PLIIx Movie
'07'	PLOOx Music
'08'	PLIIx Game
	'01' '02' '03' '04' '05' '06' '07'

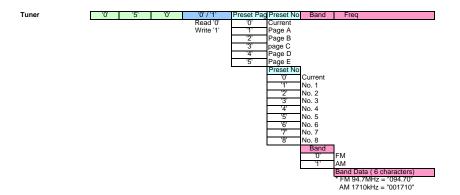
B		I DOD ID		=
Parameter Initialize	'0' '2' '2' '0' /1' Read '0'	DSP ID '0'	'0'	Hall A
	Write '1'	-0-	'1'	Hall B
	***************************************	'0'	'2'	Hall C
	* See Appendix 1 for the	'0'	'3'	
	DSP Program ID for each Model.	.0,	'4'	Hall D
		,0,	'5'	Hall E
		,0,	'6'	Live Concert
		0	'7'	
		'0'	'8' '9'	Tokyo
		'0'	'A'	Freiburg Royaumont
		.0,	'B'	Royaumont
		'0'	'C'	Village Gate
		'0'	'Ď'	Village Vanguard
		'0'	'Ē'	The Bottom Line
		'0'	'F'	
		'1'	'0'	Roxy Theatre
		'1'	'1'	Warehouse Loft
		'1'	'2'	Arena
		'1'	'3' '4'	Diago
		'1'	'5'	Disco Party
		'1'	'6'	Game
		'1'	7	9ch Stereo
		'1'	'8'	Pop/Rock
		'1'	'9'	DJ
		'1'	'A'	
		'1'	'B'	
		'1'	'C'	Classical / Opera
		'1'	'D'	Pavilion
		'1'	'E'	_
		'2'	,0,	Mono Movie
		'2'	'1'	Variety / Sports
		'2'	'2'	vallety / epolits
		'2'	'3'	_
		'2'	'4'	Spectacle
		'2'	'5'	Sci-Fi
		'2' '2'	'6'	
			'7'	Advantage
		'2' '2'	'8' '9'	Adventure
		'2'	'A'	General
		'2'	'B'	
		'2'	'C'	Normal
		'2'	'Ď'	Enhanced
		'2'	,E,	
		'2'	'F'	
		'3'	.0.	Pro Logic I Movie
		'3'	'1'	Pro Logic II Music
		'3'	'2'	NEO:6 Cinema NEO:6 Music
		'3'	'3' '4'	2CH STEREO
		'3'	'5'	DIRECT STEREO
		3'	<u>'6'</u>	THX CINEMA (ULTRA2)
		'3'	'7'	THX MUSIC
		'3'	'8'	PRO LOGIC II Game
		'3'	'9'	HALL F



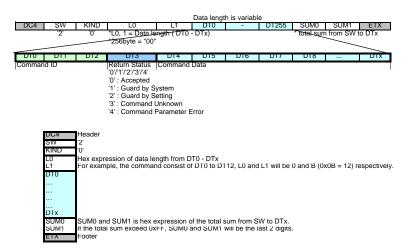




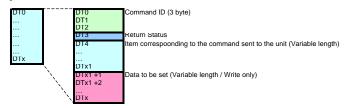




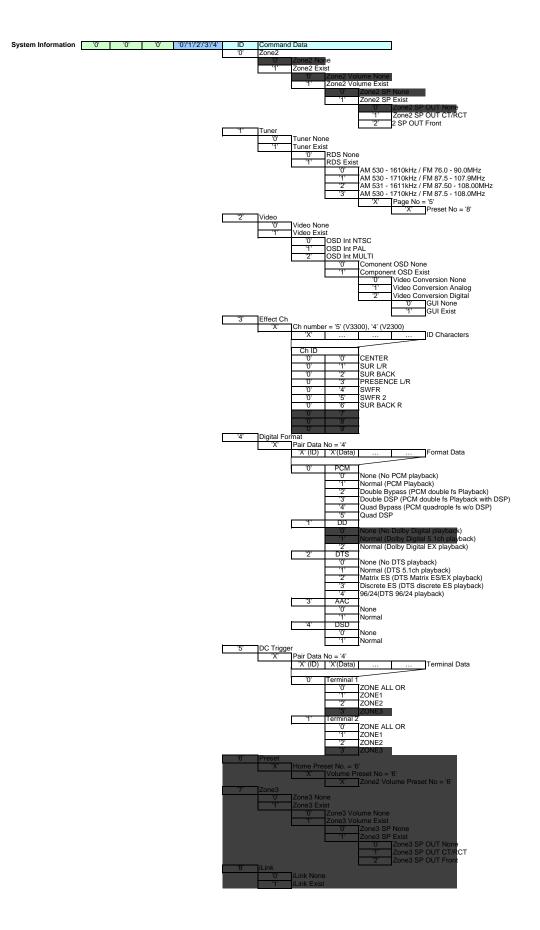
Return Commands from Slave to Host



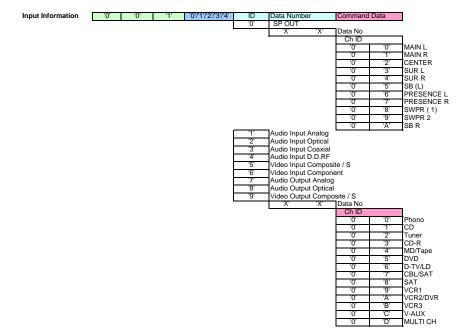
Following is the data structure from DT0 to DTx.



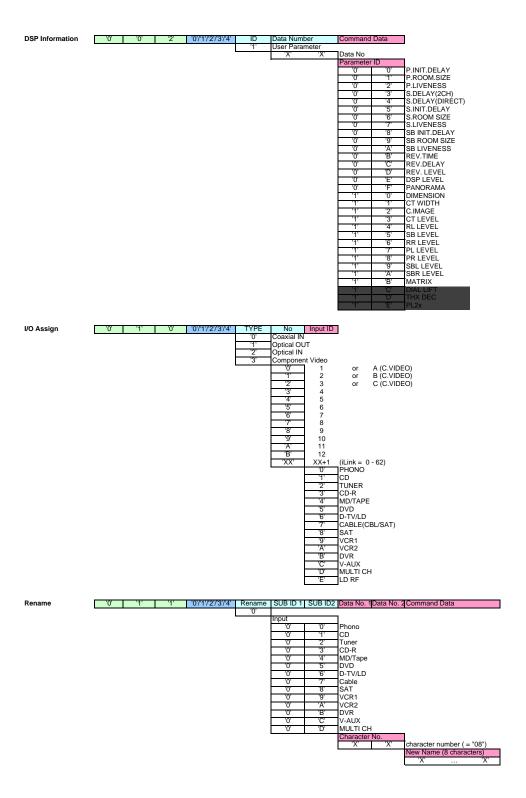
From the next page, Only from the DT0 to DTx byte will be illustrated.



15 RX-Z9 Extended RS-232C Commands



DSP Information



RX-Z9 Extended RS-232C Commands

Hear	Dara	moto	

'0'	'2'	'0'	'0'/1'/'2'/'3'/'4'	DSP ID		Parameter ID Parameter Data
_				'0'	'0'	Hall A
				.0,	'1'	Hall B
				'0'	'2'	Hall C
* See Ap	ppendix 1	for the		'0'	'3'	
DSP Pro	ogram ID i	for each N	lodel.	'0'	'4'	Hall D
				'0'	'5'	Hall E
				'0'	'6'	Live Concert
				,0,	'8'	Talasa
				'0'	'8'	Tokyo Freiburg
				.0.	'A'	Royaumont
				.0,	'B'	Royaumont
				'0'	'C'	Village Gate
				'0'	'D'	Village Vanguard
				'0'	'Ĕ'	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' '1'	'6' '7'	Game 9ch Stereo
				'1'	'8'	Pop/Rock
				'1'	'9'	DJ
				11	'A'	
				<u></u>	'B'	
				'1'	'C'	Classical / Opera
				'1'	'D'	Pavilion
				'1'	E,	
				'1'	'F'	
				'2'	'0'	Mono Movie
				'2'	'1'	Variety / Sports
				'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'	E,	Enhanced
				'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'	THX MUSIC
				'3'	'8'	PRO LOGIC II Game
				'3'	'9'	HALL F
				'3'	'A'	HALL G
				'3'	'B'	HALL H

Parameter	·ID	ī
'0'	טו '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'	SB INIT.DELAY
'0'	'9'	SB ROOM SIZE
.0.	'A'	SB LIVENESS
'0'	'B'	REV.TIME
'0'	,C,	REV.DELAY
'0'	'D'	REV. LEVEL
'0'	Ę,	DSP LEVEL
'0'	Ė	PANORAMA
'1'	'0'	DIMENSION
	'1'	CT WIDTH
'1'	'2'	C.IMAGE
'1'	'3'	CT LEVEL
	'4'	RL LEVEL
<u>i</u> -	'5'	SB LEVEL
<u>i</u> -	'6'	RR LEVEL
	7'	PL LEVEL
<u>i</u> -	'8'	PR LEVEL
<u>i</u> -		BBL LEVEL
	'A'	BBR LEVEL
<u>i</u> -	'B'	MATRIX
- '1'	'C'	DIAL LIFT
	'D'	THX DEC
'1'	'É'	PLIIX
		Parameter Data
P.IN	NIT.DELAY	
	OOM SIZE	

	Parameter		
P.INIT.DELAY	,X,	'X'	'01'-'63'
P.ROOM.SIZE	'X'	'X'	'01'-'14'
P.LIVENESS	'X'	'X'	'A0'-'0A'
S.DELAY 2CH	'X'	'X'	'0A'-'19'
	'X'	'X'	'00'-'0F'
	'X'	'X'	'00'-'1E'
	'X'	'X'	'01'-'31'
S.DELAY DIRECT	'X'	'X'	'00'-'0F'
S.INIT.DELAY	'X'	'X'	'01'-'31'
S.ROOM SIZE	'X'	'X'	'01'-'14'
S.LIVENESS	,X,	,X,	'00'-'0A'
SB INIT.DELAY	'X'	'X'	'01'-'31'
SB ROOM SIZE	'X'	'X'	'01'-'14'
SB 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'
SB LEVEL	'X'	'X'	'00'-'64'
RR LEVEL	,X,	,X,	'00'-'64'
PL LEVEL	'X'	'X'	'00'-'64'
PR LEVEL	'X'	'X'	'00'-'64'
SBL LEVEL	'X'	'X'	'00'-'64'
SBR LEVEL	'X'	'X'	'00'-'64'
MATRIX	'X'	'X'	'00'-'08'

Pro Logic, PLII Movie PLII Music Neo:6 Other for Multi Ch

*MATRIX '00' Pro Logic
'01' PLII Movie
'02' PLII Music
'03' PLII Game
'04' DTS Neo:6 Cinema
'05' DTS Neo:6 Music
'06' PLIIx Movie
'07' PLOOx Music
'08' PLIIx Game

Maker Parameter	'0' '2' '0' '0'/1'/2'/3'/4'	INSP IN		Parameter ID	Type Parameter Data
maker rafameter	0 2 0 0/1/2/3/4	'0'	'0'	Hall A	Type Parameter Data
		,0,	'1' '2'	Hall B Hall C	
	* See Appendix 1 for the	'0'	'3'		
	DSP Program ID for each Model.	,0,	'4' '5'	Hall D Hall E	
		,0,	'6'	Live Concert	
		,0,	'8'	Tokyo	
		,0,	'9' 'A'	Freiburg Royaumont	
		'0'	'B'		
		,0,	'C'	Village Gate Village Vanguard	
		'0'	E,	The Bottom Line	
		'1'	'0'	Roxy Theatre	
		'1'	'1' '2'	Warehouse Loft Arena	
		'1'	'3'		
		'1'	'4' '5'	Disco Party	
		'1' '1'	'6' '7'	Game 9ch Stereo	
		'1'	'8'	Pop/Rock	
		'1'	'9'	DJ	
		'1'	'B'	Classical (Ones	
		'1'	'C'	Classical / Opera Pavilion	
		'1'	'E'	_	
		'2'	,0,	Mono Movie	
		'2'	'1' '2'	Variety / Sports	
		'2'	'3'	Spectacle	
		'2' '2'	'5'	Sci-Fi	
		'2' '2'	'6' '7'		
		'2'	'8'	Adventure	
		'2' '2'	,A,	General	
		'2' '2'	'C'	Normal	
		'2'	ď	Enhanced	
		'2'	'E'	-	
		'3'	'0'	Pro Logic II Movie Pro Logic II Music	
		'3'	'2'	NEO:6 Cinema	
		'3'	'3'	NEO:6 Music 2CH STEREO	
		'3'	'5'	DIRECT STEREO	'DAO
		'3'	'6' '7'	THX CINEMA (ULT THX MUSIC	NAZ)
		'3'	'8'	PRO LOGIC II Gan	ne
		'3'	'A'	HALL G	
		'3'	'B'	HALL H Parameter ID	
				'0' '0' '0' '1'	P. Init. Delay P. Room Size
				'0' '2'	P. Liveness
				'0' '4'	S. Delay (2ch) S. Delay (Multi ch)
				'0' '5'	S. Init Delay S.ROOM SIZE
				'0' '7'	S.LIVENESS
				,0, ,8,	SB INIT.DELAY SB ROOM SIZE
				'0' 'A'	SB LIVENESS REV.TIME
				.0C.	REV.DELAY
				,0, ,D,	REV. LEVEL DSP LEVEL
				'0' 'F'	PANORAMA DIMENSION
				'1' '1'	CT WIDTH
				'1' '2' '1' '3'	C.IMAGE CT LEVEL
				'1' '4'	RL LEVEL
				'1' '6'	SB LEVEL RR LEVEL
				'1' '7' '1' '8'	PL LEVEL PR LEVEL
				'1' '9'	BL LEVEL
				'1' 'A' '1' 'B'	BR LEVEL MATRIX
				'1' 'C' '1' 'D'	DIAL LIFT THX DEC
				'1' 'E'	PLIIx
					'0' Current
					'1' 2ch
					'3' DTS
					'4' Dolby Digital '5' AAC + 6.1
					'6' DTS + 6.1
					'7' Dolby Digital + 6.1 '8' Analog Multi
					'9' Multi + 6.1

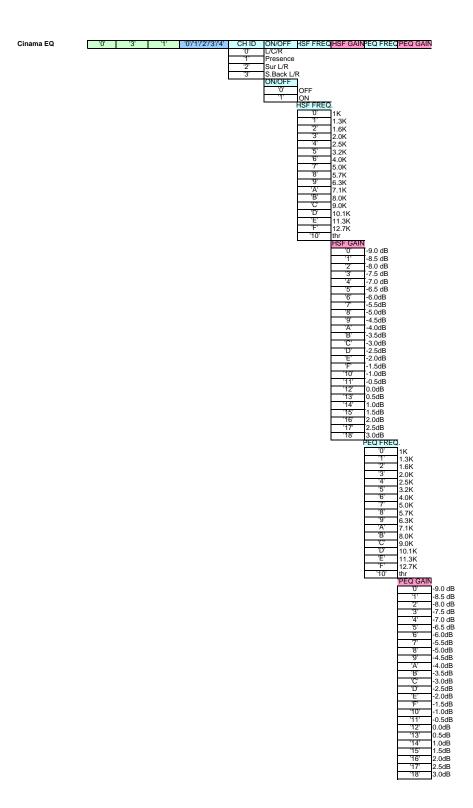
	Parameter	Data	
P.INIT.DELAY	'X'	'X'	'01'-'63'
P.ROOM.SIZE	'X'	'X'	'01'-'14'
P.LIVENESS	'X'	'X'	'00'-'0A'
S.DELAY 2CH	'X'	'X'	'0A'-'19'
	'X'	'X'	'00'-'0F'
	'X'	'X'	'00'-'1E'
	'X'	'X'	'01'-'31'
S.DELAY DIRECT	'X'	,X,	'00'-'0F'
S.INIT.DELAY	'X'	'X'	'01'-'31'
S.ROOM SIZE	'X'	'X'	'01'-'14'
S.LIVENESS	,X,	,X,	'00'-'0A'
SB INIT.DELAY	'X'	'X'	'01'-'31'
SB ROOM SIZE	'X'	'X'	'01'-'14'
SB 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'
SB LEVEL	'X'	'X'	'00'-'64'
RR LEVEL	'X'	'X'	'00'-'64'
PL LEVEL	'X'	'X'	'00'-'64'
PR 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'-'05'
THX DEC	,X.	,X,	'00'-'02'
PL2x	'X'	'X'	'00'/'01'

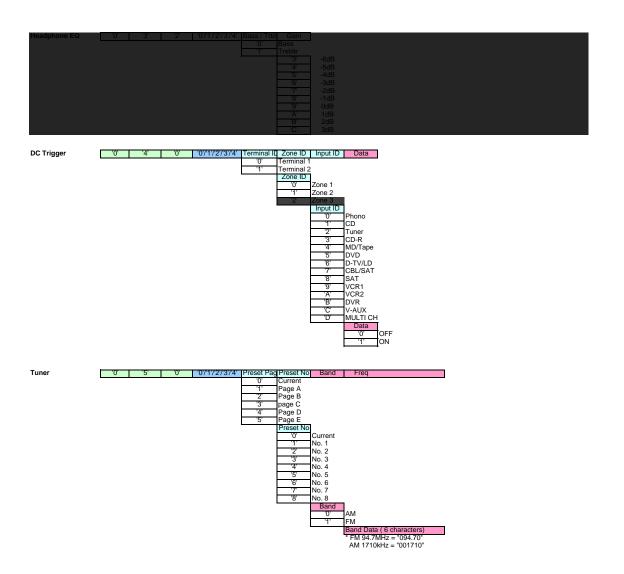
Pro Logic, PLII Movie PLII Music Neo:6 Other for Multi Ch

*MATRIX	'00'	Pro Logic
	'01'	PLII Movie
	'02'	PLII Music
	'03'	PLII Game
	'04'	DTS Neo:6 Cinema
	'05'	DTS Neo:6 Music
	'06'	PLIIx Movie
	'07'	PLOOx Music
	'08'	PLIIx Game

* See Appendix 1 for the DSP Program ID for each Model. * See Appendix 1 for the DSP Program ID for each Mo	Danamatas Initialina	101	101	101	1 101/141/101/101/141	DSP ID		=
*See Appendix 1 for the DSP Program ID for each Model. *See Appendix 1 for the DSP Program ID for each Model. **I hall D **	Parameter Initialize	,0,	'2'	'2'	'0'/1'/2'/3'/4'		'0'	Holl A
*See Appendix 1 for the DSP Program ID for each Model. 0								
*See Appendix 1 for the DSP Program ID for each Model. 0								
DSP Program ID for each Model.		* See Ar	nendiy 1	for the				i idii O
O		DSP Pro	ogram ID f	or each N	lodel.		9	Hall D
1		20						
1								
O							'7'	
1						'0'	'8'	Tokyo
1						'0'	'9'	Freiburg
O' C' Village Vanguard O' C' Village Vanguard O' C' Village Vanguard O' C' Village Vanguard O' C' C' Village Vanguard O' C' C' C' C' C' Village Vanguard O' C'						.0.	'A'	Royaumont
0								
The Bottom Line Part The Bottom Line Part The Bottom Line Part The Bottom Line The Bot								Village Gate
1								Village Vanguard
1							,E,	The Bottom Line
1							.F.	. Ti
1								Roxy Theatre
1								
1. 4' Disco 1. 7' 15 Party 1. 6 Game 1. 7' 9th Stereo 1. 7' 9th Stereo 1. 8 Pop/Rock 1. 9 DJ 1. 8 Pop/Rock 1. 9 DJ 1. 7 Pavilion 1. 1 Pavilion							131	Alelid
1							'4'	Disco
1								
1								
1								9ch Stereo
1						'1'	'8'	Pop/Rock
1						'1'	'9'	DJ
1' C' Classical / Opera 1' D' Pavilion 1 E 1 F						'1'		
1								
1								
1								Pavilion
2 0 Mono Movie 2' 1' Variety / Sports 2 2 3 2 3 3 2' 4' Spectacle 2' 5' Sci-Fi 2 6 2 7 7 2' 8' Adventure 2' 9' General 2 A 2 B 2' C' Normal 2 PD Enhanced 2 E 2 F 3 0 Pro Logic II Movie 3 1' Pro Logic II Music 3 1' This Music 3 1' Pro Logic II Music								
2								Mono Movie
2 2 3 3 2 2 3 3 3 3 2 4 3 3 4 2 2 4 3 3 4 2 2 4 5 4 3 3 4 2 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3								
2 3 4 Spectacle 2 5 Sci-Fi 2 6 2 77 2 8 Adventure 2 9 General 2 A 2 1								variety / oports
2 4' Spectacle 2' 5' Sci-Fi 2 6 2 7 7 2' 8' Adventure 2' 9' General 2 A 2 8 2 1' Normal 2								
2								Spectacle
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-8 Cinema 3' 1' Pro Logic II Music 3' 4' 2CH STEREO 3' 5' DIRECT STEREO 3' 6' THX CINEMA (ULTRA2) 3' 7' THX MUSIC 3 B PRO LOGIC II Game 4' 9' HALL F							'5'	
2' 8' Adventure 2' 9' General 2 A 2 B 2' C' Normal 2' E- L 2' E- L 3' Pro Logic II Movie 3' 1' Pro Logic II Music 3' 2' NEO/6 Music 3' 1' Pro Logic II Music 3' 2' NEO/6 Music 3' 4' 2CH STEREO 3' 5' THX CINEMA (ULTRA2) 3' 7' THX MUSIC 3 8 PRO LOGIC II Game 4 3 9' HALL F						'2'	'6'	
2'								
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 3 NEO 6 Music 3 4' 2CH STEREO 3 5 THX CINEMA (ULTRA2) 3 7 THX MUSIC 3 8 PRO LOGIC II Game 4 9 HALL F								
2 C Normal 2 D Enhanced 2 D Enhanced 2 F E E E E E E E E E E E E E E E E E E						'2'		General
2' C' Normal 2' D' Enhanced 2 E: 2 F: 3						'2'		
2								Namel
2 E 2 F 3 O' Pro Logic II Movie 3 1' Pro Logic II Music 3 2' NEO/6 Cinema 3 3' NEO/6 Cinema 3 4' 2CH STEREO 3 5' 5' DIRECT STEREO 3 6' THX CINEMA (ULTRA2) 3 7' THX MUSIC 3 8 PRO LOGIC II Game 3 9 HALL F 3 9 HALL F								
2 F. 3 0 Pro Logic II Movie 3 1 Pro Logic II Music 3 2 NEO 6 Gusen 3 3 4 Pro Logic II Music NEO 6 Music 3 4 2 CH STEREO 3 5 DIRECT STEREO 3 6 THX CINEMA (ULTRA2) 3 7 THX MUSIC 3 8 PRO LOGIC II Game 3 9 HALL F								Limanoeu
3 0' Pro Logic II Movie 3 1' Pro Logic II Music 3 2' NEO/6 Cinema 3 3' NEO/6 Cinema 3 4' 2OH STEREO 3' 5' DIRECT STEREO 3' 6' THX CINEMA (ULTRA2) 3' 7' THX MUSIC 3' 8' PRO LOGIC II Game 3' 9 HALL F								
3 1' Pro Logic I Music 3' 2' NEO 6 Cinema 3 3 3 NEO 6 Music 3 4' 2CH STEREO 3' 5' DIRECT STEREO 3 6' THX CINEMA (ULTRA2) 3' 7' THX MUSIC 3 8 PRO LOGIC II Game 3' 9' HALL F								Pro Logic II Movie
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' THX MUSIC 3 8 PRO LOGIC II Game 3' 9' HALL F								
3 3 NEO.6 Music 3' 4' 2CH STEREO 3' 5' DIRECT STEREO 3' 6' THX CINEMA (ULTRA2) 3' 7' THX MUSIC 3' 8' PRO LOGIC II Game 3' 9' HALL F							'2'	NEO:6 Cinema
3' 5' DIRECT STEREO 3' 6' THX CINEMA (ULTRA2) 3' 7' THX MUSIC 3 8 PRO LOGIC II Game 3' 9' HALL F						'3'		NEO:6 Music
3 6 THX CINEMA (ULTRA2) 3 7 THX MUSIC 3 8 PRO LOGIC II Game 3 9 HALL F 3 7 A HALL G								
3' 7' THX MUSIC 3 8' PRO LOGIC II Game 3' 9' HALL F 3' 'A' HALL G								
3' 8' PRO LOGIC II Game 3' 9' HALL F 3' 'A' HALL G								THX CINEMA (ULTRA2)
3' 9' HALL F '3' 'A' HALL G						'3'		
'3' 'A' HALL G						'3'		PRO LOGIC II Game
J 3 J B JHALL H								
<u> </u>						3	.R.	THALL H

Channel EQ	'0'	'3'	'0'	'0'/'1'/'2'/'3'/'4'	Ch ID	Band ID	Gain	
					'0'	CENTER		
					'1'	SUR BAC	<	
					'2'	FRONT L		
					'3'	FRONT R		
					'4'	SUR L		
					'5'	SUR R		
					'6'	SUR BACK	(L	
					7	SUR BACK	(R	
					'8'	PRESENC	EL	
					'9'	PRESENC	ER	
					'A'	SWFR(1)		1
					'B'	SWFR(2)		
						'0'	63Hz	
						'1'	125Hz	
						'2'	160Hz	
						'3'	250Hz	
						'4'	400Hz	
						'5'	500kHz	
						'6'	1kHz	
						'7'	2kHz	
						'8'	2.5kHz	
						'9'	4kHz	
						'A'	6.3kHz	
						'B'	8kHz	
						'C'	16kHz	
							'00'	-6.0dB
							'01'	-5.5dB
							'02'	-5.0dB
							'03'	-4.5dB
							'04'	-4.0dB
							'05'	-3.5dB
							'06'	-3.0dB
							'07'	-2.5dB
							'08'	-2.0dB
						J	'09'	-1.5dB
						J	'0A'	-1.0dB
						J	'0B'	-0.5dB
							'0C'	0.0dB
							'0D'	0.5dB
						J	'0E'	1.0dB
							'0F'	1.5dB
							'10'	2.0dB
							'11'	2.5dB
							'12'	3.0dB
							'13'	3.5dB
						J	'14'	4.0dB
							'15'	4.5dB
							'16'	5.0dB
							'17'	5.5dB
						J	'18'	6.0dB





Appendix

1 DSB Brogram ID Table			(RX-Z9)
1. DSP Program ID Table Program II)	٦	(RA-29)
,0,	'0'	Hall A	Munch A
'0'	'1'	Hall B	Munch B
.0,	'2'	Hall C	Frankfurt
'0'	'4'	Hall D	Chattanat
 '0 '	'5'	Hall E	Stuttgart Vienna
-'0'	'6'	Live Concert	Live Concert
.0.	'7'	Eive Goneen	Live concert
'0'	'8'	Tokyo	Tokyo
'0'	'9'	Freiburg	Freiburg
'0'	'A'	Royaumont	Royaumont
'O'	'B'		
'0'	'C'	Village Gate	Village Gate
'0'	,D,	Village Vanguard	Village Vanguard
,0,	E,	The Bottom Line	The Bottom Line
'1'	'0'	Roxy Theatre	The Roxy Theater
	'1'	Warehouse Loft	Warehouse Loft
'i '	'2'	Arena	Arena
'1'	'3'		
'1'	'4'	Disco	Disco
'1'	'5'	Party	Party
'1'	'6'	Game	Game
'1'	'7'	9ch Stereo	9ch Stereo
'1'	'8'	Pop/Rock	Pop/Rock
'1'	'9'	DJ	DJ
- 1	'A'	-	
'1'	'C'	Classical / Opera	Classical / Opera
'i'	'D'	Pavilion	Pavilion
'1'	'E'		
'1'	'F'		
'2'	'0'	Mono Movie	Mono Movie
'2'	'1'	Variety / Sports	Variety / Sports
'2' '2'	'2'	_	
	'3' '4'	On a standard	0
'2' '2'	'5'	Spectacle Sci-Fi	Spectacle Sci-Fi
'2'	'6'	CCITI	56111
'2'	'7 '		
'2'	'8'	Adventure	Adventure
'2'	'9'	General	General
'2'	'A'		
'2'	'B'		
'2' '2'	,D,	Normal	Normal
2	-D	Enhanced	Enhanced
'2'	- F	-	
131	<u>'0'</u>	Pro Logic II Movie	
-3'	'1'	Pro Logic II Music	
'3'	'2'	NEO:6 Cinema	
'3'	'3'	NEO:6 Music	
'3'	'4'	2CH STEREO	2CH STEREO
'3'	'5'	DIRECT STEREO	DIRECT STEREO
'3'	'6'	THX CINEMA (ULTRA2) THX CINEMA (ULTRA2)
'3'	'7'	THX MUSIC	THX MUSIC
'3'	'8' '9'	PRO LOGIC II Game	Amsterdam
- 3'	'A'	HALL G	USA Hall A
'3'	'B'	HALL H	USA Hall B
L		_	