

RSX 1056

1 Byte waveform format

Baud Rate	Parity	Valid data bits	Stop bit value	Handshaking	Data type
19200	n	8	1	none	string

1. RSX1056 -> PC

Display data

Start	Count	ID	Type	Data						Chk
0xfe	0x17	0xc5	0x20	char1	...	char13	flag1	...	flag8	xx

char1~13
ASCII Characters

flag1:		flag2:		flag3:		flag4:	
bit7		bit7		bit7	Optical	bit7	RBDS
bit6	char7_dot	bit6	char8_colon	bit6	Coaxial	bit6	RDS
bit5	char6_dot	bit5	char13_dot	bit5	1	bit5	RT
bit4	char5_dot	bit4	char12_dot	bit4	2	bit4	TP
bit3	char4_dot	bit3	char11_dot	bit3	3	bit3	TA
bit2	char3_dot	bit2	char10_dot	bit2	4	bit2	PTY
bit1	char2_dot	bit1	char9_dot	bit1	Multi	bit1	Stereo (Tuner)
bit0	char1_dot	bit0	char8_dot	bit0	Tapem	bit0	Tuned

flag5:		flag6:		flag7:		flag8:	
bit7	Dolby Digital	bit7	Preset	bit7	MPEG	bit7	FL
bit6	Dolby Pro Logic	bit6	Memory	bit6	dts	bit6	C
bit5	Dolby Pro Logic II	bit5	Auto	bit5	dts ES	bit5	FR
bit4	Dolby 3 Stereo	bit4	OSD	bit4	THX	bit4	SL
bit3	HDCD	bit3	Stby_LED	bit3	Sur	bit3	SR
bit2	DSP	bit2		bit2	EX	bit2	LFE
bit1	Dynamic Range	bit1	Disp Mode0	bit1	SBL	bit1	S
bit0	Zone	bit0	Disp Mode1	bit0	SBR	bit0	CB

	Normal	FL off
display mode1	0	1
display mode0	0	0

2. PC -> RSX1056

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xc5	0x10	xx	xx

key:		key:		key:		key:	
0x00	RMC Vol+	0x10	Contour LF-	0x20	Tune / Preset	0x30	7
0x01	RMC Vol-	0x11	Stereo	0x21	Preset Scan	0x31	8
0x02	CD	0x12	3 Stereo	0x22	Surround+	0x32	9
0x03	Tuner	0x13	Pro Logic	0x23	Zone	0x33	0
0x04	Tape	0x14	DSP	0x24	Band	0x34	
0x05	Video1	0x15	5.1CH[Multi Input]	0x25	Freq. Direct	0x35	
0x06	Video2	0x16	Dynamic	0x26	Mono	0x36	
0x07	Video3	0x17	Rec	0x27	Memory / Enter	0x37	
0x08	Video4	0x18	OSD Menu	0x28	Tuning+	0x38	
0x09	Video5	0x19	OSD Enter	0x29	Tuning-	0x39	
0x0a	Power	0x1a	OSD Right(+)	0x2a	1	0x3a	
0x0b	Vol+	0x1b	OSD Left(-)	0x2b	2	0x3b	
0x0c	Vol-	0x1c	OSD Up/Trim Sel	0x2c	3	0x3c	
0x0d	Contour HF+	0x1d	OSD Down/Dynamic	0x2d	4	0x3d	
0x0e	Contour HF-	0x1e	Mute	0x2e	5	0x3e	
0x0f	Contour LF+	0x1f	Digital In Select	0x2f	6	0x3f	

key:		key:		key:		key:	
0x40		0x50		0x60	Neo:6 Music	0x74	PLII Game
0x41		0x51		0x61	Neo:6 Cinema	0x7f	NULL Key
0x42		0x52	Display On/Off	0x62	PLII Music Panorama on/off toggle		
0x43		0x53	PLII / 3 Stereo	0x63	PLII Music Dimension_up [0~6]		
0x44	RDS Display	0x54	dts Neo:6	0x64	PLII Music Dimension_down [0~6]		
0x45	PTY	0x55	FM	0x65	PLII Music CenterWidth_up [0~7]		
0x46	TP	0x56	AM	0x66	PLII Music CenterWidth_down [0~7]		
0x47	TA	0x57	Music 1	0x67	Tone		
0x48		0x58	Music 2	0x68	DD EX / XS on/off		
0x49		0x59	Music 3	0x69	Tuning select		
0x4a	Power Off	0x5a	Music 4	0x6a	Preset select		
0x4b	Power On	0x5b	5 Ch Stereo	0x6b	Source		
0x4c	C	0x5c	7 Ch Stereo	0x6c	Mute On		
0x4d	S	0x5d	PLII Cinema	0x6d	Mute Off		
0x4e	R	0x5e	PLII Music	0x6e			
0x4f	Filter (EQ)	0x5f	Dolby Pro Logic	0xff	DisplayRefresh		

3. PC -> RSX1056 (Direct Select Main Zone)

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xc5	0x14	xx	xx

key:		key:	
0x00	RMC Vol+	0x1e	Mute
0x01	RMC Vol-		
0x02	CD	0x6c	Mute On
0x03	Tuner	0x6d	Mute Off
0x04	Tape		
0x05	Video1		
0x06	Video2		
0x07	Video3		
0x08	Video4		
0x09	Video5		
0x0a	Power		

4. PC -> RSX1056 (Direct Select Record Source)

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xc5	0x15	xx	xx

key:		key:	
0x02	CD	0x6b	Source
0x03	Tuner		
0x04	Tape		
0x05	Video1		
0x06	Video2		
0x07	Video3		
0x08	Video4		
0x09	Video5		

5. PC -> RSX1056 (Direct Select Zone 2)

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xc5	0x16	xx	xx

key:		key:		key:		key:	
0x00	RMC Vol+	0x20	Tune/Preset	0x2a	1	0x4a	Zone Power Off
0x01	RMC Vol-	0x21	Preset Scan	0x2b	2	0x4b	Zone Power On
0x02	CD	0x22		0x2c	3	0x55	FM
0x03	Tuner	0x23		0x2d	4	0x56	AM
0x04	Tape	0x24	Band	0x2e	5	0x69	Tune
0x05	Video1	0x25		0x2f	6	0x6a	Preset
0x06	Video2	0x26	Mono	0x30	7	0x6b	Source
0x07	Video3	0x27		0x31	8	0x6c	Mute On
0x08	Video4	0x28	Tune+	0x32	9	0x6d	Mute Off
0x09	Video5	0x29	Tune-	0x33	0		
0x0a	Zone Power					0x1e	Mute

6. PC -> RSX1056 (Volume Direct)

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xc5	0x30	xx	xx

key:		key:	
0x00	volume min	0x10	volume 16
0x01	volume 1		
0x02	volume 2	0x20	volume 32
0x03	volume 3		
0x04	volume 4	0x30	volume 48
0x05	volume 5		
0x06	volume 6	0x40	volume 64
0x07	volume 7		
0x08	volume 8	0x50	volume 80
0x09	volume 9		
0x0a	volume 10	0x5f	volume 95
0x0b	volume 11	0x60	volume max
0x0c	volume 12		
0x0d	volume 13		
0x0e	volume 14		
0x0f	volume 15		

7. PC -> RSX1056 (Volume Direct Zone 2)

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xc5	0x32	xx	xx

key:		key:	
0x00	volume min	0x10	volume 16
0x01	volume 1		
0x02	volume 2	0x20	volume 32
0x03	volume 3		
0x04	volume 4	0x30	volume 48
0x05	volume 5		
0x06	volume 6	0x40	volume 64
0x07	volume 7		
0x08	volume 8	0x50	volume 80
0x09	volume 9		
0x0a	volume 10	0x59	volume 89
0x0b	volume 11	0x5a	volume max
0x0c	volume 12		
0x0d	volume 13		
0x0e	volume 14		
0x0f	volume 15		

RSX 1056 RS232 Controller Command List

Table: RSX 1056 Waveform format expected:

Baud Rate	Parity	Valid Data Bits	Stop Bit Value	Handshaking	Data Type
19200	N	8	1	None	String

Table: RSX 1056 expected format of a request by RS232 controller:

Start	Count	Device ID	Type	Key	Checksum
0xFE	0x03	0xC5	0x10	0xFF	0xFF

Table 1: Type 10 Primary Command List

NOTE: The values in the table below show the exact byte sequence of all requests. The device will expect the bytes only - no spaces, no delimiter, etc. The controlling device may implement its own method to download each command sequence. The numerical values in the first column are Hexadecimal.

RSX 1056 HEX	Command	Command Description
FE 03 C5 10 00 D8	RMC Vol+	Remote Volume Up
FE 03 C5 10 01 D9	RMC Vol-	Remote Volume Down
FE 03 C5 10 02 DA	CD	Source CD
FE 03 C5 10 03 DB	Tuner	Source Tuner
FE 03 C5 10 04 DC	Tape	Source Tape
FE 03 C5 10 05 DD	Video 1	Source Video 1
FE 03 C5 10 06 DE	Video 2	Source Video 2
FE 03 C5 10 07 DF	Video 3	Source Video 3
FE 03 C5 10 08 E0	Video 4	Source Video 4
FE 03 C5 10 09 E1	Video 5	Source Video 5
FE 03 C5 10 0A E2	Power	Power Toggle
FE 03 C5 10 0B E3	Vol+	Volume Up
FE 03 C5 10 0C E4	Vol-	Volume Down
FE 03 C5 10 0D E5	Treble+	Treble Up
FE 03 C5 10 0E E6	Treble-	Treble Down
FE 03 C5 10 0F E7	Bass+	Bass Up
FE 03 C5 10 10 E8	Bass-	Bass Down
FE 03 C5 10 11 E9	Stereo	DSP Stereo
FE 03 C5 10 12 EA	3 Stereo	DSP Dolby 3 Stereo
FE 03 C5 10 13 EB	Pro Logic	DSP Pro Logic
FE 03 C5 10 14 EC	DSP	DSP Music
FE 03 C5 10 15 ED	Multi	Multi Input
FE 03 C5 10 16 EE	Dynamic	Dynamic Range
FE 03 C5 10 17 EF	Rec	Record
FE 03 C5 10 18 F0	OSD Menu	OSD Menu
FE 03 C5 10 19 F1	OSD Enter	OSD Enter
FE 03 C5 10 1A F2	OSD Right (+)	OSD Right
FE 03 C5 10 1B F3	OSD Left (-)	OSD Left
FE 03 C5 10 1C F4	OSD Up	OSD Up

RSX 1056 HEX	Command	Command Description
FE 03 C5 10 1D F5	OSD Down / Dynamic	OSD Down / Dynamic
FE 03 C5 10 1E F6	Mute	Mute
FE 03 C5 10 1F F7	Digital In Select	Digital Input Select
FE 03 C5 10 20 F8	Tune / Preset	Tune / Preset Toggle
FE 03 C5 10 21 F9	Preset Scan	Preset Scan
FE 03 C5 10 22 FA	Surround+	Next Surround Mode
FE 03 C5 10 23 FB	Zone 2 / Main	Zone
FE 03 C5 10 24 FC	Band	Tuner Band
FE 03 C5 10 25 FD	Freq. Direct	Tuner Frequency Direct
FE 03 C5 10 26 FE	FM Mono	Tuner FM Mono
FE 03 C5 10 27 FF	Memory / Enter	Tuner Memory Enter
FE 03 C5 10 28 00	Tuning+	Tuner Up
FE 03 C5 10 29 01	Tuning-	Tuner Down
FE 03 C5 10 2A 02	1	1
FE 03 C5 10 2B 03	2	2
FE 03 C5 10 2C 04	3	3
FE 03 C5 10 2D 05	4	4
FE 03 C5 10 2E 06	5	5
FE 03 C5 10 2F 07	6	6
FE 03 C5 10 30 08	7	7
FE 03 C5 10 31 09	8	8
FE 03 C5 10 32 0A	9	9
FE 03 C5 10 33 0B	0	0
FE 03 C5 10 44 1C	Display	Tuner Display
FE 03 C5 10 45 1D	PTY	RDS PTY
FE 03 C5 10 46 1E	TP	RDS TP
FE 03 C5 10 47 1F	TA	RDS TA
FE 03 C5 10 4A 22	Power Off	Power Off
FE 03 C5 10 4B 23	Power On	Power On
FE 03 C5 10 4C 24	C	Center
FE 03 C5 10 4D 25	S	Subwoofer
FE 03 C5 10 4E 26	R	Surround
FE 03 C5 10 4F 27	Filter (EQ)	Cinema EQ
FE 03 C5 10 52 2A	FL On / Off	FL Display Toggle
FE 03 C5 10 53 2B	Pro Logic / 3 Stereo	Dolby 3 Stereo
FE 03 C5 10 54 2C	dts Neo:6	dts Neo:6
FE 03 C5 10 55 2D	FM	FM
FE 03 C5 10 56 2E	AM	AM
FE 03 C5 10 57 2F	Music 1	Music 1
FE 03 C5 10 58 30	Music 2	Music 2
FE 03 C5 10 59 31	Music 3	Music 3
FE 03 C5 10 5A 32	Music 4	Music 4
FE 03 C5 10 5B 33	5Ch Stereo	5Ch Stereo
FE 03 C5 10 5C 34	7Ch Stereo	7Ch Stereo
FE 03 C5 10 5D 35	PLII Cinema	Dolby PLII Cinema
FE 03 C5 10 5E 36	PLII Music	Dolby PLII Music
FE 03 C5 10 5F 37	Pro Logic	Dolby Pro Logic
FE 03 C5 10 60 38	dts Neo:6 Music	dts Neo:6 Music

RSX 1056 HEX	Command	Command Description
FE 03 C5 10 61 39	dts Neo:6 Cinema	dts Neo:6 Cinema
FE 03 C5 10 62 3A	PLII Panorama	PLII Panorama
FE 03 C5 10 63 3B	PLII Dimension Up	PLII Dimension Up
FE 03 C5 10 64 3C	PLII Dimension Down	PLII Dimension Down
FE 03 C5 10 65 3D	PLII Center Width Up	PLII Center Width Up
FE 03 C5 10 66 3E	PLII Center Width Down	PLII Center Width Down
FE 03 C5 10 67 3F	Shift (Treble Bass)	Tone Controls
FE 03 C5 10 68 40	DD EX On/Off	DD EX On/Off
FE 03 C5 10 69 41	Tuning Select	Discrete Tune Select
FE 03 C5 10 6A 42	Preset Select	Discrete Preset Select
FE 03 C5 10 74 4C	PLII Game	Dolby PLII Game
FE 03 C5 10 FF D7	Display Refresh	Display Refresh

Table 1A: Commands Sent with exceptions or modifications required

RSX 1056 HEX	Command Expected	Command
FE 03 C5 10 25 FD	FE 03 C5 10 25 FD 00	Frequency Direct
FE 03 C5 10 26 FE	FE 03 C5 10 26 FD 01	FM Mono

The table above list commands with exceptions. To keep the RSX 1056 from encountering the start byte FE in any position other than as the start byte, any occurrence of the bytes FE or FD in the command string must be converted to either FD 00 (for FD) or FD 01 (for FE). This will allow the string to pass while masking any occurrence of the byte FE except as the start byte.

Table 2: Type 14 Main Zone Command List

NOTE: These commands are duplicate functions of the primary commands in the table above bearing the same name, but are discrete for the main zone only. For multi-zone installation applications, it is recommended that the below commands be used rather than the type 10 commands to avoid zone conflicts.

RSX 1056 HEX	Command	Command Description
FE 03 C5 14 00 DC	RMC Vol+	Remote Volume Up
FE 03 C5 14 01 DD	RMC Vol-	Remote Volume Down
FE 03 C5 14 02 DE	Main CD	Main Zone Source CD
FE 03 C5 14 03 DF	Main Tuner	Main Zone Source Tuner
FE 03 C5 14 04 E0	Main Tape	Main Zone Source Tape
FE 03 C5 14 05 E1	Main Video 1	Main Zone Source Video 1
FE 03 C5 14 06 E2	Main Video 2	Main Zone Source Video 2
FE 03 C5 14 07 E3	Main Video 3	Main Zone Source Video 3
FE 03 C5 14 08 E4	Main Video 4	Main Zone Source Video 4
FE 03 C5 14 09 E5	Main Video 5	Main Zone Source Video 5
FE 03 C5 14 0A E6	Main Power	Main Zone Power Toggle
FE 03 C5 14 1E FA	Main Mute	Main Zone Mute
FE 03 C5 14 6C 48	Main Mute On	Main Zone Mute On
FE 03 C5 14 6D 49	Main Mute Off	Main Zone Mute Off

Table 3: Type 15 Record Source Command List

RSX 1056 HEX	Command	Command Description
FE 03 C5 15 02 DF	Record CD	Record Source CD
FE 03 C5 15 03 E0	Record Tuner	Record Source Tuner
FE 03 C5 15 04 E1	Record Tape	Record Source Tape
FE 03 C5 15 05 E2	Record Video 1	Record Source Video 1
FE 03 C5 15 06 E3	Record Video 2	Record Source Video 2
FE 03 C5 15 07 E4	Record Video 3	Record Source Video 3
FE 03 C5 15 08 E5	Record Video 4	Record Source Video 4
FE 03 C5 15 09 E6	Record Video 5	Record Source Video 5
FE 03 C5 15 6B 48	Record Source	Record Source

Table 4: Type 16 Zone 2 Command List

RSX 1056 HEX	Command	Command Description
FE 03 C5 16 00 DE	Vol+	Zone 2 Volume Up
FE 03 C5 16 01 DF	Vol-	Zone 2 Volume Down
FE 03 C5 16 02 E0	Zone 2 CD	Zone 2 Source CD
FE 03 C5 16 03 E1	Zone 2 Tuner	Zone 2 Source Tuner
FE 03 C5 16 04 E2	Zone 2 Tape	Zone 2 Source Tape
FE 03 C5 16 05 E3	Zone 2 Video 1	Zone 2 Source Video 1
FE 03 C5 16 06 E4	Zone 2 Video 2	Zone 2 Source Video 2
FE 03 C5 16 07 E5	Zone 2 Video 3	Zone 2 Source Video 3
FE 03 C5 16 08 E6	Zone 2 Video 4	Zone 2 Source Video 4
FE 03 C5 16 09 E7	Zone 2 Video 5	Zone 2 Source Video 5
FE 03 C5 16 0A E8	Zone 2 Power	Zone 2 Power Toggle
FE 03 C5 16 1E FC	Zone 2 Mute	Zone 2 Mute
FE 03 C5 16 20 FE	Zone 2 Tune / Preset	Zone 2 Tune / Preset Toggle
FE 03 C5 16 21 FF	Zone 2 Preset Scan	Zone 2 Preset Scan
FE 03 C5 16 24 02	Zone 2 Band	Zone 2 Band
FE 03 C5 16 26 04	Zone 2 FM Mono	Zone 2 FM Mono
FE 03 C5 16 28 06	Zone 2 Tune Up	Zone 2 Tune Up
FE 03 C5 16 29 07	Zone 2 Tune Down	Zone 2 Tune Down
FE 03 C5 16 2A 08	Zone 2 Preset 1	Zone 2 Preset 1
FE 03 C5 16 2B 09	Zone 2 Preset 2	Zone 2 Preset 2
FE 03 C5 16 2C 0A	Zone 2 Preset 3	Zone 2 Preset 3
FE 03 C5 16 2D 0B	Zone 2 Preset 4	Zone 2 Preset 4
FE 03 C5 16 2E 0C	Zone 2 Preset 5	Zone 2 Preset 5
FE 03 C5 16 2F 0D	Zone 2 Preset 6	Zone 2 Preset 6
FE 03 C5 16 30 0E	Zone 2 Preset 7	Zone 2 Preset 7
FE 03 C5 16 31 0F	Zone 2 Preset 8	Zone 2 Preset 8
FE 03 C5 16 32 10	Zone 2 Preset 9	Zone 2 Preset 9
FE 03 C5 16 33 11	Zone 2 Preset 0	Zone 2 Preset 0
FE 03 C5 16 4A 28	Zone 2 Power Off	Zone 2 Power Off
FE 03 C5 16 4B 29	Zone 2 Power On	Zone 2 Power On
FE 03 C5 16 55 33	Zone 2 FM	Zone 2 Tuner FM
FE 03 C5 16 56 34	Zone 2 AM	Zone 2 Tuner AM

RSX 1056 HEX	Command	Command Description
FE 03 C5 16 69 47	Zone 2 Tune	Zone 2 Tuner Manual Tune Mode
FE 03 C5 16 6A 48	Zone 2 Preset	Zone 2 Tuner Preset Mode
FE 03 C5 16 6B 49	Zone 2 Source	Zone 2 Follow Main Source
FE 03 C5 16 6C 4A	Zone 2 Mute On	Zone 2 Mute On
FE 03 C5 16 6D 4B	Zone 2 Mute Off	Zone 2 Mute Off

Table 4A: Commands Sent with exceptions or modifications required

RSX 1056 HEX	Command Expected	Command
FE 03 C5 16 20 FE	FE 03 C5 16 20 FD 01	Zone 2 Tune / Preset

The table above list commands with exceptions. To keep the RSX 1056 from encountering the start byte FE in any position other than as the start byte, any occurrence of the bytes FE or FD in the command string must be converted to either FD 00 (for FD) or FD 01 (for FE). This will allow the string to pass while masking any occurrence of the byte FE except as the start byte.

Table 5: Type 30 Volume Direct Command List

RSX 1056 HEX	Command	Command Description
FE 03 C5 30 00 F8	Volume Min	Volume Min
FE 03 C5 30 01 F9	Volume 1	Volume 1
FE 03 C5 30 02 FA	Volume 2	Volume 2
FE 03 C5 30 03 FB	Volume 3	Volume 3
FE 03 C5 30 04 FC	Volume 4	Volume 4
FE 03 C5 30 05 FD	Volume 5	Volume 5
FE 03 C5 30 06 FE	Volume 6	Volume 6
FE 03 C5 30 07 FF	Volume 7	Volume 7
FE 03 C5 30 08 00	Volume 8	Volume 8
FE 03 C5 30 09 01	Volume 9	Volume 9
FE 03 C5 30 0A 02	Volume 10	Volume 10
FE 03 C5 30 0B 03	Volume 11	Volume 11
FE 03 C5 30 0C 04	Volume 12	Volume 12
FE 03 C5 30 0D 05	Volume 13	Volume 13
FE 03 C5 30 0E 06	Volume 14	Volume 14
FE 03 C5 30 0F 07	Volume 15	Volume 15
FE 03 C5 30 10 08	Volume 16	Volume 16
FE 03 C5 30 20 18	Volume 32	Volume 32
FE 03 C5 30 30 28	Volume 48	Volume 48
FE 03 C5 30 40 38	Volume 64	Volume 64
FE 03 C5 30 50 48	Volume 80	Volume 80
FE 03 C5 30 5F 57	Volume 95	Volume 95
FE 03 C5 30 60 58	Volume Max	Volume Max

Table 5A: Commands Sent with exceptions or modifications required

RSX 1056 HEX	Command Expected	Command
FE 03 C5 30 05 FD	FE 03 C5 30 05 FD 00	Volume 5
FE 03 C5 30 06 FE	FE 03 C5 30 06 FD 01	Volume 6

The table above list commands with exceptions. To keep the RSX 1056 from encountering the start byte FE in any position other than as the start byte, any occurrence of the bytes FE or FD in the command string must be converted to either FD 00 (for FD) or FD 01 (for FE). This will allow the string to pass while masking any occurrence of the byte FE except as the start byte.

Table 6: Type 32 Zone 2 Volume Direct Command List

RSX 1056 HEX	Command	Command Description
FE 03 C5 32 00 FA	Zone 2 Volume Min	Zone 2 Volume Min
FE 03 C5 32 01 FB	Zone 2 Volume 1	Zone 2 Volume 1
FE 03 C5 32 02 FC	Zone 2 Volume 2	Zone 2 Volume 2
FE 03 C5 32 03 FD	Zone 2 Volume 3	Zone 2 Volume 3
FE 03 C5 32 04 FE	Zone 2 Volume 4	Zone 2 Volume 4
FE 03 C5 32 05 FF	Zone 2 Volume 5	Zone 2 Volume 5
FE 03 C5 32 06 00	Zone 2 Volume 6	Zone 2 Volume 6
FE 03 C5 32 07 01	Zone 2 Volume 7	Zone 2 Volume 7
FE 03 C5 32 08 02	Zone 2 Volume 8	Zone 2 Volume 8
FE 03 C5 32 09 03	Zone 2 Volume 9	Zone 2 Volume 9
FE 03 C5 32 0A 04	Zone 2 Volume 10	Zone 2 Volume 10
FE 03 C5 32 0B 05	Zone 2 Volume 11	Zone 2 Volume 11
FE 03 C5 32 0C 06	Zone 2 Volume 12	Zone 2 Volume 12
FE 03 C5 32 0D 07	Zone 2 Volume 13	Zone 2 Volume 13
FE 03 C5 32 0E 08	Zone 2 Volume 14	Zone 2 Volume 14
FE 03 C5 32 0F 09	Zone 2 Volume 15	Zone 2 Volume 15
FE 03 C5 32 10 0A	Zone 2 Volume 16	Zone 2 Volume 16
FE 03 C5 32 20 1A	Zone 2 Volume 32	Zone 2 Volume 32
FE 03 C5 32 30 2A	Zone 2 Volume 48	Zone 2 Volume 48
FE 03 C5 32 40 3A	Zone 2 Volume 64	Zone 2 Volume 64
FE 03 C5 32 50 4A	Zone 2 Volume 80	Zone 2 Volume 80
FE 03 C5 32 5F 53	Zone 2 Volume 89	Zone 2 Volume 89
FE 03 C5 32 60 54	Zone 2 Volume Max	Zone 2 Volume Max

Table 6A: Commands Sent with exceptions or modifications required

RSX 1056 HEX	Command Expected	Command
FE 03 C5 32 03 FD	FE 03 C5 32 03 FD 00	Zone 2 Volume 3
FE 03 C5 32 04 FE	FE 03 C5 32 04 FD 01	Zone 2 Volume 4

The table above list commands with exceptions. To keep the RSX 1056 from encountering the start byte FE in any position other than as the start byte, any occurrence of the bytes FE or FD in the command string must be converted to either FD 00 (for FD) or FD 01 (for FE). This will allow the string to pass while masking any occurrence of the byte FE except as the start byte.