

Model : SR5500	RS232C interface data
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Aug 18 2004

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
	DOWN	"VOL:2"	(e.g.) 0dB="VOL:00" -∞="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" (xxx = vol. value as +6 ~-6)	"TOB:xxx" xxx = vol. value as +6 ~-6
	UP	"TOB:1"	
	DOWN	"TOB:2"	
TONE CONTROL (TREBLE)	VALUE	"TOT:0xxx" (xxx = vol. value as +6 ~-6)	"TOT:xxx" xxx=vol. value as +6 ~-6
	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"	
	DSS/VCR2	"SRC:4"	(e.g) DVD="SRC:22"
	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" AUTO-DIG= "INP:4"
AUDIO ATT	TOGGLE(On/Off)	"ATT:0"	ATT-OFF= "ATT:1"
	OFF	"ATT:1"	ATT-ON= "ATT:2"

	ON	"ATT:2"	"ATT:0" (not analog)
SURROUND MODE	AUTO	"SUR:00"	"SUR:xx"
	STEREO	"SUR:01",	(x = '0' ~ 'S')
	DOLBY	"SUR:02",	
	PL2xMOVIE	"SUR:03",	
	PL2 MOVIE	"SUR:04",	
	PL2xMUSIC	"SUR:05",	
	PL2 MUSIC	"SUR:06",	
	PL2xGAME	"SUR:07",	
	PL2 GAME	"SUR:08",	
	Dolby PROLOGIC	"SUR:09",	
	EX/ES	"SUR:0A",	
	DTS ES	"SUR:0E"	
	NEO6 CINEMA	"SUR:0F"	
	NEO6 MUSIC	"SUR:0G"	
	Multi Ch. STEREO	"SUR:0H"	
	CS5.1 CINEMA	"SUR:0I"	
	CS5.1 MUSIC	"SUR:0J"	
	CS2 MONO	"SUR:0K"	
	VIRTUAL	"SUR:0L"	
	DTS	"SUR:0M"	
	SOURCE(PURE) DIRECT	"SUR:0T"	
	Surround Mode up	"SUR:1"	
	Surround Mode down	"SUR:2"	

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Command for Main Room 2/2

Command		Reply from Slave	
Tuner Frequency	VALUE(frequency direct)	"TFQ:0xxxx"	else FM (e.g. "TFQ08750" =FM87.50MHz
	UP	"TFQ:1"	
	DOWN	"TFQ:2"	
	Auto-UP	"TFQ:3"	
	Auto-DOWN	"TFQ:4"	
Tuner Preset	VALUE(Preset Number)	"TPR:0ww"	"TPR:ww" (ww = current preset nr.) 0 ~ 50
	UP	"TPR:1"	
	DOWN	"TPR:2"	
	PRESET-SCAN START	"TPR:3"	
	PRESET-SCAN STOP	"TPR:4"	
FM tuning mode	TOGGLE	"TMD:0"	FM-MONO="TMD:1", FM-AUTO="TMD:2"
	OFF(Mono)	"TMD:1"	
	ON(Stereo)	"TMD:2"	
Tuner Numeric keys	Key0,	"NUM:0" ,	ACK
	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"		
Command		Reply from Slave	
SET UP MENU	TOGGLE	"MNU:0"	non-menu="MNU:1", on menu="MNU:2"
	OFF(EXIT)	"MNU:1"	
	ON	"MNU:2"	
	ENTER	"MNU:3"	ACK
	UP	"CUR:1"	
	DOWN	"CUR:2"	
	LEFT	"CUR:3"	
	RIGHT	"CUR:4"	
Test Tone	On/Off (TOGGLE)	"TTO:0"	"TTO:1xy" (OFF) "TTO:2xy" (ON) (x = auto'0'/manual'1', y = ch.,)
	OFF(Exit from Test tone)	"TTO:1"	
	ON(Generate Test tone)	"TTO:2"	
	NEXT Channel	"TTO:3"	
	PREV Channel	"TTO:4"	
	VALUE (Front L)	"CHL:02xxx"	"CHL:yyyy"
	VALUE (Front R)	"CHL:03xxx"	(y = channel,

Channel Level	VALUE (Center)	"CHL:04xxx"	x = channel level)
	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"	"DHM:x"
	DH2_(5.1ch)	"DHM:4"	x= dolby HP mode
	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"	
HT-EQ	TOGGLE	"REQ:0"	OFF= "REQ:1",
	OFF	"REQ:1"	ON= "REQ:2"
	ON	"REQ:2"	
SLEEP TIMER	VALUE(1minutes step)	"SLP:0xx"	"SPL:xx"
	OFF	"SLP:1"	OFF="SPL:00"

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Command for Multi Room 1/1

	Command		Reply from Slave
Multi Room	TOGGLE	"MPW:0"	Multi Off= "MPW:1", Multi On= "MPW:2"
	OFF	"MPW:1"	
	ON	"MPW:2"	
Multi Room VOLUME	VALUE	"MVL:0xxx"	"MVL:xxx" xxx = vol. value as 0 ~-90
	UP	"MVL:1"	
	DOWN	"MVL:2"	
Multi Room AUDIO MUTE	TOGGLE	"MAM:0"	MUTE OFF= "MAM:1" MUTE ON= "MAM:2"
	OFF	"MAM:1"	
	ON	"MAM:2"	
Multi Room Speaker	TOGGLE	"MSP:0"	"MSP:1", "MSP:2"
	OFF	"MSP:1"	
	ON	"MSP:2"	
Multi SPKR VOLUME	VALUE	"MSV:0xxx"	"MSV:xxx" xxx = vol. value as 0 ~-90
	UP	"MSV:1"	
	DOWN	"MSV:2"	
Multi SPKR AUDIO MUTE	TOGGLE	"MSM:0"	MUTE OFF= "MSM:1" MUTE ON= "MSM:2"
	OFF	"MSM:1"	
	ON	"MSM:2"	
Multi SOURCE Select	TV	"MSC:1"	"MSC:va", (v ,a= '0' - 'F') (v = video, a = audio.) (e.g) DVD="MSC:22"
	DVD	"MSC:2"	
	VCR1	"MSC:3"	
	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	
UP		"MTF:1"	
DOWN		"MTF:2"	
Auto-UP		"MTF:3"	
Auto-DOWN		"MTF:4"	
Multi Tuner Preset	VALUE	"MTP:0ww" (ww = preset nr.)	"MTP:ww" (ww = current preset nr.) ww=01~50
	UP	"MTP:1"	
	DOWN	"MTP:2"	
	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"

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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",
		Dolby PROLOGIC	"SUR:9",
		EX/ES	"SUR:A",
		DTS ES	"SUR:E"
		NEO6 CINEMA	"SUR:F"
		NEO6 MUSIC	"SUR:G"
		Multi Ch. STEREO	"SUR:H"
		CS5.1 CINEMA	"SUR:I"
		CS5.1 MUSIC	"SUR:J"
		CS2 MONO	"SUR:K"
		VIRTUAL	"SUR:L"
		DTS	"SUR:M"
SOURCE(PURE) DIRECT	"SUR:T"		

		DOLBY HEAD PHONE	"SUR:U"
Tuner Frequency	"TFQ:?"	xxxxx = frequency if (xxxxx < 02000), band=AM else band=FM	"TFQ:xxxxx"
Tuner Preset	"TPR:?"	xx = preset number (01~50)	"TPR:xx"
FM Tuning Mode	"TMD:?"	(except FM)	"TMD:0"
		OFF (MONO)	"TMD:1"
		ON (AUTO)	"TMD:2"
SET UP MENU	"MNU:?"	OFF	"MNU:1"
		ON	"MNU:2"
Test Tone	"TTO:?"	OFF (x, y = don't care)	"TTO:1xy"
		ON (x = 0000, y = 0000)	"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"
Night Mode	"NGT:?"	OFF	"NGT:1"
		ON	"NGT:2"
HT-EQ	"REQ:?"	OFF	"REQ:1"
		ON	"REQ:2"
SLEEP TIMER	"SLP:?"	Sleep time (xx = 00 ~ 99)	"SLP:xx"

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Status Request Command & Answer for Main Room 2/2

Status request		Status answer and feedback	
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 DISCREATE '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"

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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	"MVMT1"
		ON	"MVM:2"
Multi SPKR VOLUME	"MSV:?"	"MSV:0xxx"	"MSV:0xxx"
Multi SPKR AUDIO MUTE	"MSM:?"	OFF	"MSM:1"
		ON	"MSM2"
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"

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Special Status request and Status answer list

	Command from Host	Reply from Slave
Auto status feedback (The product default is disable all auto status feedback.)	“AST:x” (x = ‘0’ ~ ‘F’) 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)	same as command define

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
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	"SFQ:"	4
Channel Status	"CHS:"	4