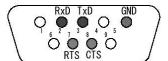
#### 1. Outline

RX-Vx600 in this protocol refers to the RX-V2600, and RX-V1600.

#### 1.1 Connection

5 wire system

	TxD(PIN3)	Transpose	>	RxD(PIN2)	
	RxD(PIN2)	Receive	<	TxD(PIN3)	
RX-Vx600	GND(PIN5)	Ground		GND(PIN5)	HOST.
Slave	CTS(PIN8)	Permit to send data	<	RTS(PIN7)	master
	RTS(PIN7)	Request to send data	a>	CTS(PIN8)	
*When not o	onnected, data t	transmission to RX-Vx	600 is prohib	oited (CTS port r	oull down).



#### 1.2 RS-232C Settings

\* Full duplex, start-stop synchronization communication

Baud rate 9600bps
Data bits 8
Parity No
Stop bit 1bit
Handshaking Hardware

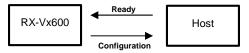
\* The RX-Vx600 RTS port outputs at low level when the AC plug is disconnected. If RTS output stays low even when the AC plug is connected, a problem may occur.

#### 1.3 Data block timeout

It takes the RX-Vx600 a maximum of 500msec to send one data block. If a complete data block is not received within 500msec, cancel the transaction. A problem may occur.

#### 2. Start Commands

#### 2.1 Starting Communication



The Ready command is the first command to be sent to the RX-Vx600 at the start of communication. TOUT0 - 2 in the Ready Command sets communication timeout.

RX-Vx600 sends a Configuration command (Model ID, software version, and setting data) to the host in reply to the Ready command.

The RX-Vx600 will send a Configuration command within 1 sec. after receiving a Ready command from the host. If not, send a Ready command again (max 5 times). If the RX-Vx600 won't send a Configuration command after the fifth retry, cancel the transaction because there may be a problem.



\*TYPx Model ID = "R0191" (RX-V1600)

| Model ID = "R0192" (HTR-5990)
| Model ID = "R0193" (RX-V2600)

\*VER Software Version

\*SUM The sum of all data except for the header and footer

function name	function	data (ASCII)	range (HEX)
TOUT0 - 2	communication timeout	0 - 9, A - F	0 - 0xFFF

<sup>\*</sup>timeout between the header and the footer

\*timeout=0 means no timeout

function name	function	data (ASCII)	range (HEX)
TYP0 - 4	model ID	0 - 9, A - F	voluntary
VER	software version	A - Z	voluntary
L0 - 1	data length	0 - 9, A - F	0 - 0xFF
DT0 - 255	data	0 - 9, A - F	0 - 0xF
SUM0	upper 4 bit of SUM	0 - 9, A - F	0 - 0xF
SUM1	lower 4 bit of SUM	0 - 9, A - F	0 - 0xF

# \*Data Structure of Configuration Command data When the power is OFF, only DT0,1,...,9 are sent to the Host.

data		he power is OFF, only DT0,1,	
DT0	Fixed	Baud Rate	Don't care ('@')
DT1	Fixed	Receive Buffer	Don't care ( 'E')
DT2	Fixed	Receive Buffer	Don't care ( '0')
DT3	Fixed	Command Timeout	Don't care ( '1')
DT4	Fixed	Command Timeout	Don't care ( '9')
DT5	Fixed	Command Timeout	Don't care ( '0')
DT6	Fixed	Handshaking	Don't care ('0')
DT7	0/2	System	0: OK / 1: Busy / 2: Standby
DT8	0/7	Power	Main Room / Zone2 / Zone3 Power Status (All off, All on, Main on)
DT9	0 - E	Input	0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV /
		•	7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E:XM* *Only USA & Canada
DT10	0/1	Multi CH input	0: Off / 1: On
DT11	0 - 8	Audio Select	0: Auto / 3: COAX/OPT / 4: Analog / 5: Analog Only / 8:HDMI
DT12	0/1	Audio Mute	0: Off / 1: On
DT13	0 - E	Zone2 Input	0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV /
			7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E:XM* *Only USA & Canada
DT14	0/1	Zone2 Mute	0: Off / 1: On
DT15	0 - F	Master Volume	Upper 4 bit
DT16	0 - F	Master Volume	Lower 4 bit
DT17	0 - F	Zone2 Volume	Upper 4 bit
DT18	0 - F	Zone2 Volume	Lower 4 bit
DT19	0 - F	Program	Upper 4 bit
DT20	0 - F	Program	Lower 4 bit
DT21	0/1	Effect	0: Off / 1: On
DT22	0-6	Extended Surround	0: Off / 1: EX/ES / 3: Auto / 4: EX / 5: PLIIx Movie / 6: PLIIx Music
DT23	0 - 2	OSD*	0:Full (Only V1600) / 1: Short / 2: Off
DT24 DT25	0 - 4 0 - 4	Sleep Tuner Preset Page	0: 120 / 1: 90 / 2: 60 / 4: 30 / 4: OFF
DT26	0-4	Tuner Preset Number	0: Page A / 1: Page B / 2: Page C / 3: Page D / 4: Page E 0: No.1 / 1: No.2 / 2: No.3 / 3: No.4 / 4: No.5 / 5: No.6 / 6: No.7 / 7: No.8
DT27	0-7	Night Mode	Upper 4bit 0: OFF / 1:Cinema / 2:Music
DT28	0-2	Night Mode Parameter	Lower 4bit 0: Of 1 / 1: Official a 2: Midsic
DT29	0/1	Speaker A	0: Off / 1: On
DT30	0/1	Speaker B	0: Off / 1: On
DT31	0 - D	Playback	0: Multi CH input / 1: Analog / 2: PCM / 3: DD*(except 2.0) / 4: DD(2.0) / 5: DD
DT32	0 - B	Fs	Karaoke / 6: DD.EX / 7: DTS / 8: DTS-ES / 9: Other DIGITAL / A: DTS Analog Mute / B: DTS ES Discrete / C: Other than AAC 2/0 / D: AAC 2/0 0: Analog / 1: 32kHz / 2: 44.1kHz / 3: 48kiHz / 4: 64kHz / 5: 88.2kHz / 6: 96kHz / 7: Unknown / 8:128kHz / 9: 176.4kHz / A:192kHz / B: DTS 96/24
DT33	0 - 2	EX/ES playback	0: Off / 1: Matrix On / 2: Discrete On
DT34	0/1	THR / Bypass	0: Off / 1: Matrix Off / 2: Bisciete Off
DT35	0/1	RED DTS	0: Release / 1: Wait
DT36	0/1	Head Phone	0: Off / 1: On
DT37	0/1	Tuner Band	0: FM / 1: AM
DT38	0/1	Tuner TUNED	0: NOT Tuned / 1: Tuned
DT39	0/1	DC1 Trigger Output	0: Off / 1: On
DT40	0 - 2	Decoder Mode	0: Auto / 1:DTS / 2:AAC* *Only Japanese Model
DT41	0 - 2	Dual Mono	0: Main / 1:Sub / 2:All (Only Japanese Model)
DT42	0 - 3	DC1 Trigger Control	0: All Zone OR / 1:Main / 2: Zone 2 / 3: Zone 3
DT43 DT44	0/1	DTS 96/24	0: Off / 1: On
	0-3	DC2 Trigger Control	0: All Zone OR / 1: Main / 2: Zone 2 / 3: Zone 3
DT45 DT46	0/1	DC2 Trigger Output Speaker B set	0: Off / 1: On 0: Main / 1: Zone B
DT47	0-3	Zone 2 Amp	0: EXT / 1: INT Surround / 2:INT Presence / 3: INT Both
DT48	0 - F	Level Front R	Upper 4bit
DT49	0-F	Level Front R	Lower 4bit
DT50	0-F	Level Front L	Upper 4bit
DT51	0 - F	Level Front L	Lower 4bit
DT52	0 - F	Level Center	Upper 4bit
DT53	0 - F	Level Center	Lower 4bit
DT54	0 - F	Level Surround R	Upper 4bit
DT55	0 - F	Level Surround R	Lower 4bit
DT56	0 - F	Level Surround L	Upper 4bit
DT57	0 - F	Level Surround L	Lower 4bit
DT58	0 - F	Level Surround Back R	Upper 4bit
DT59	0 - F	Level Surround Back R	Lower 4bit
DT60	0 - F	Level Surround Back L	Upper 4bit
DT61	0 - F	Level Surround Back L	Lower 4bit
DT62	0 - F	Level Presence R	Upper 4bit
DT63	0 - F 0 - F	Level Presence R Level Presence L	Lower 4bit
DT64 DT65	0-F 0-F	Level Presence L Level Presence L	Upper 4bit
DT66	0-F 0-F	Level Subwoofer	Lower 4bit Upper 4bit
DT67	0-F	Level Subwoofer	Lower 4bit
DT68	0-7	XM Preset Page	0: Page A / 1: Page B / 2: Page C / 3: Page D / 4: Page E (Only USA & Canada)
2.50	J ~ T		S ago ago o / e ago o /

				RA-VX600 R5-232C Proto
DT69	0 - 7	XM Preset Number		(Only USA & Canada)
DT70	0 - 2	XM Search Mode		
				· · · · · · · · · · · · · · · · · · ·
DT71	0 - 3	XM Display Time		0:OFF / 1:10sec / 2:30sec / 3:ON (Only USA & Canada)
DT72	0 - F	XM Channel Number		Upper 4bit (Only USA & Canada)
DT73	0 - F	XM Channel Number		Lower 4bit (Only USA & Canada)
DT74	0 - F	LFE Level SP		· ·
				Upper 4bit
DT75	0 - F	LFE Level SP		Lower 4bit
DT76	0 - F	LFE Level HP		Upper 4bit
DT77	0 - F	LFE Level HP		Lower 4bit
DT78	0 - F			
	-1	Audio Delay		Upper 4bit
DT79	0 - F	Audio Delay		Lower 4bit
DT80	0 - F	Initial Volume		Upper 4bit (Only RX-V2600)
DT81	0 - F	Initial Volume		Lower 4bit (Only RX-V2600)
DT82	0 - A	Max Volume		0:-30dB / 1:-25dB / 2:-20dB / 3:-15dB / 4:-10dB / 5:-5dB / 6:0dB / 7:5dB /
D102	0 - A	wax volume		
				8:10dB / 9:15dB / A:16.5dB (Only RX-V2600)
DT83	0/1	Decoder Mode Set		0: Auto / 1: Last
DT84	0/1	Audio Select Set		0: Auto / 1: Last
DT85	0 - 4	Dimmer		0: -4 / 1: -3 / 2: -2 / 3: -1 / 4: 0
	0 - 4			0471372273174. 0
DT86		Don't care		
DT87	0 - A	OSD Shift / GUI position		Upper 4bit
DT88	0 - A	OSD Shift / GUI position		Lower 4bit
DT89	0/1	Gray back		0: Off / 1: Auto (only RX-V1600)
	-1	•		` ,
DT90	0/1	Video conversion		0: Off / 1: On
DT91	0 - 2	D. Range	SP	0: MAX / 1: STD / 2: MIN
DT92	0 - 2	D. Range	HP	0: MAX / 1: STD / 2: MIN
DT93	0/1	Zone2 Volume Out		0: Variable / 1: Fixed
	-1			
DT94	0/1	Zone3 Volume Out		0: Variable / 1: Fixed
DT95	0/1	Memory guard		0: Off / 1: On
DT96	0 - 2	SP set	Center	0: Large / 1: Small / 2: None
DT97	0/1		Front	0: Large / 1: Small
DT98	0 - 2		Sur. L/R	0: Large / 1: Small / 2: None
	-			•
DT99	0 - 4		Sur. Back	0: Large x2 / 1: Large x1 / 2:Small x2 / 3:Small x1 / 4:None
DT100	0 - 3	Zone3 AMP		0: EXT / 1:INT:Surround / 2:INT:Presence / 3:INT:Both
DT101	0/1	SP set	Presence	0: Yes / 1: None
DT102	0 - 2		LFE/BASS	0: SWFR / 1: Front / 2: Both
	-1	Cultura of an Dhana	LI L/DAGG	
DT103	0/1	Subwoofer Phase		Upper 4bit Phase 0:Normal / 1:Reverse
DT104		Subwoofer Phase		Lower 4bit Don't Care
DT105	0/1	Test mode		0: OFF / 1: ON
DT106	0 - 2	EQ Select		0: Auto PEQ / 1: GEQ / 2: Off (Only RX-V1600)
	-1			, ,
DT107	0 - F	Wall Paper		0:Yes / E: Gray / F: None (Only RX-V2600)
DT107 DT108	-1	Wall Paper Don't care		, ,
DT107	-1	Wall Paper		, ,
DT107 DT108	-1	Wall Paper Don't care		, ,
DT107 DT108 DT109 DT110	0 - F	Wall Paper Don't care Don't care Don't care Don't care		0:Yes / E: Gray / F: None (Only RX-V2600)
DT107 DT108 DT109 DT110 DT111	0-F 0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other
DT107 DT108 DT109 DT110 DT111 DT112	0-F 0/1 0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On
DT107 DT108 DT109 DT110 DT111 DT112 DT113	0-F 0/1 0/1 0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600)
DT107 DT108 DT109 DT110 DT111 DT112	0-F 0/1 0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On
DT107 DT108 DT109 DT110 DT111 DT112 DT113	0-F 0/1 0/1 0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115	0-F 0/1 0/1 0/1 0-4 0-3	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116	0-F 0/1 0/1 0/1 0-4 0-3 0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0: Through / 1:16:9 Normal (Only RX-V2600)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117	0-F 0/1 0/1 0/1 0-4 0-3 0/1 0-2	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118	0-F 0/1 0/1 0/1 0-4 0-3 0/1 0-2 0-2	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117	0-F 0/1 0/1 0/1 0-4 0-3 0/1 0-2	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone / 2:Zone 2 & Zone 3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema /
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118	0-F 0/1 0/1 0/1 0-4 0-3 0/1 0-2 0-2	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118	0-F 0/1 0/1 0/1 0-4 0-3 0/1 0-2 0-2	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone / 2:Zone 2 & Zone 3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema /
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119	0-F 0/1 0/1 0/1 0-4 0-3 0/1 0-2 0-7	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD  Decoder Select  Remote ID Tuner		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone2 / 2:Zone2 & Zone3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema / 5:Neo:6 Music / 6:CSII Cinema* / 7:CSII Music* *Only Japanese Model 0:ID1 / 1:ID2
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119	0-F 0/1 0/1 0-4 0-3 0/1 0-2 0-7 0/1 0/1	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select Remote ID Tuner Advanced Setup		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone2 / 2:Zone2 & Zone3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema / 5:Neo:6 Music / 6:CSII Cinema* / 7:CSII Music* *Only Japanese Model 0:ID1 / 1:ID2 0:Off / 1:On
DT107 DT108 DT109 DT110 DT111 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone / 2: Zone 2 & Zone 3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2
DT107 DT108 DT109 DT110 DT111 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1	Wall Paper  Don't care  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD  Decoder Select  Remote ID Tuner  Advanced Setup  Remote ID AMP  Fan Control Mode		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1:16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: Cont
DT107 DT108 DT109 DT110 DT111 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model)
DT107 DT108 DT109 DT110 DT111 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1	Wall Paper  Don't care  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD  Decoder Select  Remote ID Tuner  Advanced Setup  Remote ID AMP  Fan Control Mode		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1:16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: Cont
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone2 / 2:Zone2 & Zone3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema / 5:Neo:6 Music / 6:CSII Cinema* / 7:CSII Music* *Only Japanese Model 0:ID1 / 1:ID2 0:Off / 1:On 0:ID1 / 1:ID2 0:Auto / 1:Cont 0:8 ohm / 1:6 ohm (Except Japanese Model) 0:AM10/FM100 / 1:AM9/FM50 (Only Destination R & L)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125 DT126	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0/	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD  Decoder Select  Remote ID Tuner  Advanced Setup  Remote ID AMP  Fan Control Mode  Speaker Impedance  Tuner Setup  Pure Direct		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone2 / 2:Zone2 & Zone3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema / 5:Neo:6 Music / 6:CSII Cinema* / 7:CSII Music* *Only Japanese Model 0:ID1 / 1:ID2 0:Off / 1:On 0:ID1 / 1:ID2 0:Auto / 1:Cont 0:8 ohm / 1:6 ohm (Except Japanese Model) 0:AM10/FM100 / 1:AM9/FM50 (Only Destination R & L) 0:Off / 1:On
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV /
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123 DT124 DT124 DT125 DT126 DT127	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0/	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125 DT126	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0/	Wall Paper  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD  Decoder Select  Remote ID Tuner  Advanced Setup  Remote ID AMP  Fan Control Mode  Speaker Impedance  Tuner Setup  Pure Direct		0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV /
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123 DT124 DT124 DT125 DT126 DT127	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0/	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada
DT107 DT108 DT109 DT110 DT111 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT128 DT129	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input Zone3 Mute		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0:Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0:Through / 1: 16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada 0: Off / 1: On Upper 4bit
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT129 DT130	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F  0-F	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone2 / 2:Zone2 & Zone3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema / 5:Neo:6 Music / 6:CSII Cinema* / 7:CSII Music* *Only Japanese Model 0:ID1 / 1:ID2 0:Off / 1:On 0:ID1 / 1:ID2 0:Auto / 1:Cont 0:8 ohm / 1:6 ohm (Except Japanese Model) 0:AM10/FM100 / 1:AM9/FM50 (Only Destination R & L) 0:Off / 1:On 0:PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E:XM**Only USA & Canada 0:Off / 1:On Upper 4bit Lower 4bit
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT129 DT120 DT121	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0/	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume Remote Sensor		0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music * *Only Japanese Model 0: ID1 / 1: ID2 0: Otf / 1: On (Except Japanese Model) 0: DT / 1: On (Except Japanese Model) 0: Otf / 1: On (Except Japanese Model) 0: Oth / 1: Oth /
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT129 DT130	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F  0-F	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On 0: Off / 1: On 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo:6 Cinema / 5: Neo:6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada 0: Off / 1: On Upper 4bit Lower 4bit 0: On / 1: Off 00: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD /06: 8ch
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT129 DT120 DT121	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0/	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume Remote Sensor		0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music * *Only Japanese Model 0: ID1 / 1: ID2 0: Otf / 1: On (Except Japanese Model) 0: DT / 1: On (Except Japanese Model) 0: Otf / 1: On (Except Japanese Model) 0: Oth / 1: Oth /
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT129 DT120 DT121	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0/1  0/	Wall Paper Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume Remote Sensor		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On 0: Off / 1: On 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0: Through / 1:16:9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo:6 Cinema / 5: Neo:6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada 0: Off / 1: On Upper 4bit Lower 4bit 0: On / 1: Off 00: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD / 06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / OC: 8ch V-AUX
DT107 DT108 DT109 DT110 DT111 DT111 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123 DT124 DT125 DT125 DT126 DT127 DT128 DT129 DT130 DT131	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F  0-F  0/1  0-C	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume  Remote Sensor MULTI_CH Select  Remote ID XM		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* *Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada 0: Off / 1: On Upper 4bit Lower 4bit 0: On / 1: Off 00: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD / 06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / 0C: 8ch V-AUX 0: ID1 / 1: ID2 (Only USA & Canada)
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT129 DT130 DT131 DT132 DT133 DT134	0-F  0/1  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F  0-F  0/1  0-C  0/1  0/1	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume  Remote Sensor MULTI_CH Select  Remote ID XM Bi – AMP		0:Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:Undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone2 / 2:Zone2 & Zone3 (Only RX-V2600) 0:Pro Logic / 1:PLIIx Movie / 2:PLIIx Music / 3:PLIIx Game / 4:Neo:6 Cinema / 5:Neo:6 Music / 6:CSII Cinema* / 7:CSII Music* *Only Japanese Model 0:ID1 / 1:ID2 0:Off / 1:On 0:ID1 / 1:ID2 0:Auto / 1:Cont 0:8 ohm / 1:6 ohm (Except Japanese Model) 0:AM10/FM100 / 1:AM9/FM50 (Only Destination R & L) 0:Off / 1:On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E:XM* *Only USA & Canada 0:Off / 1:On Upper 4bit Lower 4bit 0:On / 1:Off 00: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD /06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / 0C: 8ch V-AUX 0:ID1 / 1:ID2 (Only USA & Canada) 0:On / 1:Off
DT107 DT108 DT109 DT110 DT111 DT111 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT123 DT124 DT125 DT125 DT126 DT127 DT128 DT129 DT130 DT131	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F  0-F  0/1  0-C	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume  Remote Sensor MULTI_CH Select  Remote ID XM		0:Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Off / 1: On 0: Off / 1: On (Only RX-V1600) 0:English / 1:Japanese / 2:French / 3:German / 4:Spanish (Only RX-V2600) 0:Through / 1:480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0:Through / 1:16:9 Normal (Only RX-V2600) 0:undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2:over 4ft (1.2m) 0:Off / 1:Zone2 / 2:Zone2 & Zone3 (Only RX-V2600) 0:Pro Logic / 1:PLllx Movie / 2:PLllx Music / 3:PLllx Game / 4:Neo:6 Cinema / 5:Neo:6 Music / 6:CSII Cinema* / 7:CSII Music* *Only Japanese Model 0:ID1 / 1:ID2 0:Off / 1:On 0:ID1 / 1:ID2 0:Off / 1:On 0:B ohm / 1:6 ohm (Except Japanese Model) 0:AM10/FM100 / 1:AM9/FM50 (Only Destination R & L) 0:Off / 1:On 0:PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E:XM* *Only USA & Canada 0:Off / 1:On Upper 4bit Lower 4bit 0:On / 1:Off 00: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD / 06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / 0C: 8ch V-AUX 0:ID1 / 1:ID2 (Only USA & Canada) 0:On / 1:Off 0: 40Hz / 1: 60Hz / 2: 80Hz / 3: 90Hz / 4: 100Hz / 5: 110Hz / 6: 120Hz /
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DT107 DT108 DT109 DT110 DT111 DT1112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT121 DT122 DT123 DT124 DT125 DT126 DT127 DT128 DT129 DT131 DT132 DT133 DT134 DT135	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F  0/1  0-C  0/1  0-8  0/1	Wall Paper  Don't care  Don't care  Don't care  Don't care  HDMI Support Audio  Component I/P  HDMI IP  GUI Language  HDMI Up-Scaling  HDMI Aspect  THX SB Speaker Distance  Zone2 OSD  Decoder Select  Remote ID Tuner  Advanced Setup  Remote ID AMP  Fan Control Mode  Speaker Impedance  Tuner Setup  Pure Direct  Zone3 Input  Zone3 Mute  Zone3 Volume  Remote Sensor  MULTI_CH Select  Remote ID XM  Bi – AMP  Subwoofer Crossover  TV Format  PR/SB Priority		0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Only RX-V2600) 0: Through / 1: 480p(576p) / 2:1080i/ 3:720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1:1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Olf / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo:6 Cinema / 5: Neo:6 Music / 6: CSII Cinema* / 7: CSII Music* * Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: Auto / 1: Cont 0: Auto / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* * Only USA & Canada 0: Off / 1: On Upper 4bit 0: On / 1: Off 00: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD / 06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / 0C: 8ch V-AUX 0: ID1 / 1: ID2 (Only USA & Canada) 0: On / 1: Off 0: 40Hz / 1: 60Hz / 2: 80Hz / 3: 90Hz / 4: 100Hz / 5: 110Hz / 6: 120Hz / 7: 160Hz / 8: 200Hz 0: PAL / 1: NTSC (Only RX-V2600)
DT107 DT108 DT109 DT110 DT111 DT1112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125 DT125 DT126 DT127 DT128 DT129 DT130 DT131 DT132 DT131 DT132 DT133 DT134 DT135 DT136 DT137 DT138	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0-F  0-F  0-F  0-C  0/1  0/1  0-C	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume  Remote Sensor MULTI_CH Select  Remote ID XM Bi – AMP Subwoofer Crossover  TV Format PR/SB Priority Don't care	Page	0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Colly RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* "Only Japanese Model 0: ID1 / 1: ID2 0: Otif / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada 0: Off / 1: On Upper 4bit 1: Oncome / 1: Off 0: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD / 06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / 0C: 8ch V-AUX 0: ID1 / 1: ID2 (Only USA & Canada) 0: On / 1: Off 0: 40Hz / 1: 60Hz / 2: 80Hz / 3: 90Hz / 4: 100Hz / 5: 110Hz / 6: 120Hz / 7: 160Hz / 8: 200Hz 0: PRAL / 1: NTSC (Only RX-V2600) 0: Presence / 1: Surround Back
DT107 DT108 DT109 DT110 DT111 DT112 DT113 DT114 DT115 DT116 DT117 DT118 DT119  DT120 DT121 DT121 DT122 DT123 DT124 DT125 DT126 DT127  DT128 DT129 DT130 DT131 DT132 DT133 DT134 DT135 DT133 DT134 DT135	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0-E  0/1  0-F  0-F  0/1  0-C  0/1  0-S  0/1  0-A	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input Zone3 Mute Zone3 Volume Remote ID XM Bi – AMP Subwoofer Crossover TV Format PR/SB Priority Don't care Zone2 Tone Control	Bass	0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On 0: Only RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 1-9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Orff / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* "Only Japanese Model 0: ID1 / 1: ID2 0: Off / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada 0: Off / 1: On Upper 4bit Lower 4bit 0: On / 1: Off 00: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD / 06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / 0C: 8ch V-AUX 0: ID1 / 1: ID2 (Only USA & Canada) 0: On / 1: Off 0: 40Hz / 1: 60Hz / 2: 80Hz / 3: 90Hz / 4: 100Hz / 5: 110Hz / 6: 120Hz / 7: 160Hz / 8: 200Hz 0: -10dB 5: 0dB A: +10dB 2dB Step
DT107 DT108 DT109 DT110 DT111 DT1112 DT113 DT114 DT115 DT116 DT117 DT118 DT119 DT120 DT121 DT122 DT122 DT123 DT124 DT125 DT125 DT126 DT127 DT128 DT129 DT130 DT131 DT132 DT131 DT132 DT133 DT134 DT135 DT136 DT137 DT138	0-F  0/1  0/1  0-4  0-3  0/1  0-2  0-7  0/1  0/1  0/1  0/1  0/1  0-F  0-F  0-F  0-C  0/1  0/1  0-C	Wall Paper Don't care Don't care Don't care Don't care HDMI Support Audio Component I/P HDMI IP GUI Language HDMI Up-Scaling HDMI Aspect THX SB Speaker Distance Zone2 OSD Decoder Select  Remote ID Tuner Advanced Setup Remote ID AMP Fan Control Mode Speaker Impedance Tuner Setup Pure Direct Zone3 Input  Zone3 Mute Zone3 Volume  Remote Sensor MULTI_CH Select  Remote ID XM Bi – AMP Subwoofer Crossover  TV Format PR/SB Priority Don't care	Bass Treble	0: Yes / E: Gray / F: None (Only RX-V2600)  0: RX-V2600 or RX-V1600 / 1: Other 0: Off / 1: On (Colly RX-V1600) 0: English / 1: Japanese / 2: French / 3: German / 4: Spanish (Only RX-V2600) 0: Through / 1: 480p(576p) / 2: 1080i/ 3: 720p (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Through / 1: 16: 9 Normal (Only RX-V2600) 0: Undef 1ft(0.3m) / 1: 1-4ft (0.3-1.2m) / 2: over 4ft (1.2m) 0: Off / 1: Zone2 / 2: Zone2 & Zone3 (Only RX-V2600) 0: Pro Logic / 1: PLIIx Movie / 2: PLIIx Music / 3: PLIIx Game / 4: Neo: 6 Cinema / 5: Neo: 6 Music / 6: CSII Cinema* / 7: CSII Music* "Only Japanese Model 0: ID1 / 1: ID2 0: Otif / 1: On 0: ID1 / 1: ID2 0: Auto / 1: Cont 0: 8 ohm / 1: 6 ohm (Except Japanese Model) 0: AM10/FM100 / 1: AM9/FM50 (Only Destination R & L) 0: Off / 1: On 0: PHONO / 1: CD / 2: TUNER / 3: CD-R / 4: MD/TAPE / 5: DVD / 6: DTV / 7: CBL/SAT / 9: VCR1 / A: DVR/VCR2 / C: V-AUX / E: XM* *Only USA & Canada 0: Off / 1: On Upper 4bit 1: Oncome / 1: Off 0: 6ch / 02: 8ch CD / 03: 8ch CD-R / 04: 8ch MD/TAPE / 05: 8ch DVD / 06: 8ch DTV / 07: 8ch CBL/SAT / 09: 8ch VCR1 / 0A: 8ch DVR/VCR2 / 0C: 8ch V-AUX 0: ID1 / 1: ID2 (Only USA & Canada) 0: On / 1: Off 0: 40Hz / 1: 60Hz / 2: 80Hz / 3: 90Hz / 4: 100Hz / 5: 110Hz / 6: 120Hz / 7: 160Hz / 8: 200Hz 0: PRAL / 1: NTSC (Only RX-V2600) 0: Presence / 1: Surround Back

ı	DT141	0 - A	Zone3 Tone Control	Bass	0:-10dB 5: 0dB A:+10dB	2dB Step
	DT142	0 - A	Zone3 Tone Control	Treble	0:-10dB 5: 0dB A:+10dB	2dB Step
	DT143	0/1	Tone Bypass		0: Auto / 1: Off	
	DT144	0/1	Wake on RS-232C Access		0: No / 1: Yes	

\*DD = Dolby Digital

\*OSD = On Screen Display

#### 3. Control Commands



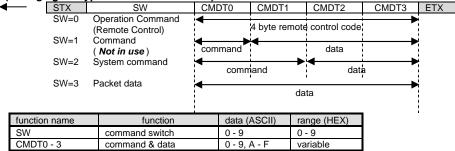
- \* The RX-Vx600 can receive control commands only when the power is on (except Power commands and System commands\*).
- \* Do not send any control commands when the system status is Wait. No commands are permitted until the RX-Vx600 reports OK.
- \* The RX-Vx600 will send a Report Command\*\* within 1 sec of receiving the Control Command. If no Report Command is received, resend control command (max 5 times). If the RX-Vx600 doesn't send a Report Command after the fifth retry, cancel the transaction because there may be a problem.
- \* 'SW' switches the type of the control command. When the 'SW' is set to '0', you can control the RX-Vx600 remotely via RS-232C.
- \* The RX-Vx600 will only send one report command for each type of control. The Report Command will report only the final status of all settings in strings of commands (may not report all steps in a status, only final status). For example, if the user sets the input selector on the unit to DTV just after the host sends a command to change the input to CD, the RX-Vx600 may report only the final status that the input was changed to DTV by the system operation.

\*System command, \*\*Report command --> described in later

- Command Switch ( changing the type of control command )

Control command 

STX SW CM



\* 'SW' switches the command type of the Control Command.

SW=0 : 4 byte command for remote control code

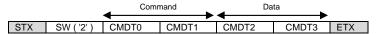
SW=1 : 1 byte command 0 - F (HEX expression in ASCII) SW=2 : 2 byte command 10 - FF (HEX expression in ASCII)

SW=3 : 4 byte packet data

\* The RX-Vx600 uses the following three types of Control Commands.

- Operation Commands for remote control (SW = 0)
- System Commands for system setting (SW = 2)
- Packet data for test data transmission (SW = 3)

## 3.1 System Commands (SW = '2')



System Commands can be made by setting the 'SW' byte in the Control Command to '2'. With System commands you can control the RX-Vx600's system settings (Report Command Enable / Disable, Report Command delay, etc...)

With a System Command you can also...

- set absolute master volume value.
- send text strings to the On Screen Display (OSD).
- request RX-Vx600 text data regarding tuner freq., master volume, input name, zone 2 input name.

SW			Command		Data		F	Report Comr	mand	Note
	CMDT0	CMDT1	Function	CMDT2	CMDT3	Parameter	Туре	RCMD1,2	RDAT1,2	
2	0	0	Report Command Code	0	0	Enable	0	00	00(OK)	
			·	0	1	Disable	1		, ,	
2	0	1	Time between two report commands	0	0	real time	0	00	00(OK)	
			(Report Command Delay)	0	1	50ms	1			
				0	2	100ms				
				0	3	150ms				
				0	4	200ms				
				0	5	250ms				
				0	6	300ms	ł			
				0	7 8	350ms 400ms	ł			
2	1	0	OSD message start command	0	0	Start	0	00	00(OK)	
2	2	0	OSD message start command	0	0	Start			00(OK)	
2	2	U	Tuning frequency text request Main volume value text request	0	1		Relei	to the following	ig section	
			Zone2 volume value text request	0	2		ł			
			Main Input name text request	0	3		i			
			Zone2 input name text request	0	4		1			
			Zone3 volume value text request	0	5		i			
			Zone3 input name text request	0	6		1			
2	2	F	Firmware version request	0	0		0	00		
2	3	0	Main volume direct setting	Х	Х		0	26		
2	3	1	Zone2 volume direct setting	Х	Х		0	27		
2	3	4	Zone3 volume direct setting	Х	Х		0	A2		
2	3	8	Mute Type	0	0	Full	0	A5		
	-	-	71	0	1	-20dB	1			
2	3	Е	Zone2 AMP	0	0	EXT	0	3E		
				0	1	INT: Sur.				
				0	2	INT: Presence	1			
				0	3	INT: Both				
2	3	F	Zone3 AMP	0	0	EXT	0	3F		
				0	1	INT: Sur.				
				0	2	INT: Presence				
				0	3	INT: Both				
2	4	0	Level Front R	Х	X		0	40		
2	4	1	Level Front L	Х	Х		0	41		
2	4	2	Level Center	X	X		0	42		
2	4	3	Level Surround R	Х	X		0	43		
2	4	4	Level Surround L	Х	Х		0	44		
2	4	5	Level Presence R	Х	X		0	47		
2	4	6	Level Presence L	Х	Х		0	48		
2	4	7	Level Surround Back R	Х	Х		0	45		
2	4	8	Level Surround Back L	Х	Х		0	46		
2	4	9	Level Subwoofer (1)	Х	Х		0	49		
2	4	Α	Level Subwoofer (2)	Х	Х		0	4A		
2	4	В	Zone2 Tone Control Bass	Х	Х		0	4B		
2	4	С	Zone2 Tone Control Treble	X	X		0	4C		
2	4	D	Zone3 Tone Control Bass	X	X		0	4D		
2	4	E	Zone3 Tone Control Treble	X	X		0	4E		
2	5	1	LFE Level for Speaker	X	X		0	51		
		2	'	X	X					
2	5		LFE Level for Headphone				0	52		
2	5	3	Audio Delay	X	X		0	53		
2	5	8	Wall Paper	0	0	Yes	0	58		only RX-V2600
				0	E F	Gray None	ł			

										RX-VX600 RS-2
SW			Command		Data		F	Report Comr	mand	Note
	CMDT0	CMDT1	Function	CMDT2	CMDT3	Parameter	Туре	RCMD1,2	RDAT1,2	
2	5	А	MAX Volume	0	0	-30.0dB	0	5A	,=	only RX-V2600
-	Ü	, ,	W or volume	0	1	-25.0dB	Ü	671		Only 101 12000
				0	2	-20.0dB				
				0	3	-15.0dB				
				0	4	-10.0dB				
				0	5	-5.0dB				
				0	6	0.0dB				
				0	7	5.0dB				
				0	8	10.0dB				
				0	9	15.0dB				
				0	Α	16.5dB				
2	5	В	Initial Volume	Х	Х		0	5B		only RX-V2600
2	5	E	Decoder Mode	X	X		0	5E		omy 101 12000
2	5	F	Decoder Mode Set	0	0	Auto	0	5F		
2	5	F	Decoder Mode Set	0	1		U	5F		
_	0	0	Availa Oalaat Oat			Last	_			
2	6	0	Audio Select Set	0	0	Auto	0	60		
				0	1	Last				
2	6	1	Dimmer	0	0	-4	0	61		
				0	1	-3				
				0	2	-2				
				0	3	-1				
				0	4	0				
2	6	2	OSD Shift* / GUI Position**	Х	Х		0	62		*RX-V1600 **RX-V2600
2	6	3	Gray Back	0	0	Off	0	63		RX-V1600
				0	1	Auto				
2	6	4	Dynamic Range for Speaker	0	0	MAX	0	64		
				0	1	STD				
				0	2	MIN				
2	6	5	Dynamic Range for Headphone	0	0	MAX	0	65		
				0	1	STD				
				0	2	MIN				
2	6	6	Zone2 Volume Out	0	0	Variable	0	66		
	-			0	1	Fixed				
2	6	8	Memory Guard	0	0	Off	0	68		
_			, 220.2	0	1	On				
2	6	9	Video Conversion	0	0	Off	0	69		
_	Ü	ŭ	rides conversion	0	1	On	ŭ	00		
2	6	В	Zone3 Volume Out	0	0	Variable	0	6B		
2	O		Zones volume out	0	1	Fixed	Ü	OB		
^	_	С	70 000				0	00		O-1- DV 1/0000
2	6	C	Zone2 OSD	0	0	Off Zone2	U	6C		Only RX-V2600
_	_		On a blance of the control of the co	0	2	Zone2 & 3	-	70		
2	7	0	Speaker Set Center	0	0	Large	0	70		
				0	1	Small				
	_			0	2	None				
2	7	1	Speaker Set Front	0	0	Large	0	71		
				0	1	Small				
2	7	2	Speaker Set Surround	0	0	Large	0	72		
				0	1	Small				
				0	2	None				
2	7	3	Speaker Set Surround Back	0	0	Large x2	0	73		
				0	1	Large x1				
				0	2	Small x2				
				0	3	Small x1				
				0	4	None				
2	7	4	Speaker Set Presence	0	0	Yes	0	74		
				0	1	None				
2	7	5	Speaker Set Bass Out	0	0	Subwoofer	0	75		
			·	0	1	Front				
				0	2	Both				
		6	Speaker Set Subwoofer Phase	_	X	Normal	0	76	1	Lower 4bit Don't care
2	7	ь		0		NOIMAL	()			

SW			Command		Data	a	F	Report Com	mand	Note
	CMDT0	CMDT1	Function	CMDT2	CMDT3	Parameter	Туре	RCMD1,2	RDAT1,2	
2	7	В	Multi CH Select	0	0	6ch	0	7B	,	
				0	2	8ch CD				
				0	3	8ch CD-R				
				0	4	8ch MD/TAPE	1			
				0	5	8ch DVD				
				0	6	8ch DTV				
				0	7	8ch CBL/SAT				
				0	9	8ch VCR1				
				0	Α	8ch VCR2				
				0	С	8ch V-AUX				
2	7	D	PR/SB Priority	0	0	Presence	0	7D		
				0	1	Sur. Back	1			
2	7	Е	Subwoofer Crossover	0	0	40Hz	0	7E		
				0	1	60Hz				
				0	2	80Hz				
				0	3	90Hz				
				0	4	100Hz				
				0	5	110Hz				
				0	6	120Hz				
				0	7	160Hz				
				0	8	200Hz	1			
2	8	0	Test Tone	0	0	Off	0	80	1	
_				0	1	On	1 Ť			
2	8	5	Component I/P	0	0	Off	0	85	<del>                                     </del>	
۷	U	J	Component I/F	0	1	On	1 "	00		
_	_	_	LIDALLID					00		DV 1/4000
2	8	6	HDMI I/P	0	0	Off	0	86		RX-V1600
				0	1	On				
2	8	7	HDMI Up-Scaling	0	0	Through	0	87		Only RX-V2600
				0	1	480p(576p)				
				0	2	1080i				
				0	3	720p				
2	8	8	HDMI Aspect	0	0	Through	0	88		Only RX-V2600
				0	1	16:9 Normal				
2	8	Α	THX SB Speaker Dist.	0	0	under 1ft	0	8A		
-	ŭ	,,	This ob opeans blos			(0.3m)	ľ	0,1		
				0	1	1-4ft (0.3-1.2m)				
				0	2	over 4ft (1.2m)				
2	8	В	Night Mode	0	0	Off	0	8B		
-	Ü		raight wood	1	0	Cinema Low	ľ	05		
				1	1	Cinema Mid				
				1	2	Cinema High				
				2	0	Music Low				
				2	1	Music Mid				
				2	2	Music High				
2	8	F	HDMI Support Audio		_	RX-V1600	0	8F		
2	0	F	HDIVII Support Addio	0	0		Ů	OF		
				0	0	RX-V2600	ł			
				0	1	Other	ł			
2		_	VM Diagles Time	_			_	00	1	Only 1104 0 0 '
2	9	3	XM Display Time	0	0	Off	0	93	1	Only USA & Canada
				0	1	10sec	ł		1	RX-V1600
				0	2	30sec	ł			
			VALC:	0	3	On			1	0.1.1.2.2.2.
2	9	4	XM Channel Number	Х	Х	_	0	94	1	Only USA & Canada
2	9	5	Hold / Release XM Display	0	0	Release	0	95		Only USA & Canada
				0	1	Hold				
2	Α	7	EQ (Equalizer) Select	0	0	Auto PEQ	0	A7	1	RX-V1600
				0	1	GEQ	1		1	
				0	2	EQ Off	<u></u>			
2	Α	8	Tone Control Auto Bypass	0	0	Auto	0	A8		
				0	1	Off			1	
2	В	0	Advanced Setup	0	0	Off	0	В0		Effective in STANDBY
			•	0	1	On	1			
2	В	1	Remote ID for AMP	0	0	ID1	0	B1	1	
_		,		0	1	ID2	1 Ť	] -		
2	В	2	Fan Control Mode	0	0	Auto	0	B2	+	
۷	۵	2	i an Contion Mode	-			1 "	کد		
			On a short	0	1	Cont	_	P.0	+	
2	В	3	Speaker Impedance	0	0	8 ohm	0	В3	1	except Japanese Model
				0	1	6 ohm			1	
	В	4	Tuner Frequency Step	0	0	10k/100kHz	0	B4		Destination R or L
2				0	1	9k/50kHz				

SW			Command		Data		F	Report Comr	mand	Note
	CMDT0	CMDT1	Function	CMDT2	CMDT3	Parameter	Type	RCMD1,2	RDAT1,2	
2	В	5	Remote ID for Tuner	0	0	ID1	0	B5		
				0	1	ID2				
2	В	6	Language	0	0	English	0	B6		Only RX-V2600
				0	1	Japanese				
				0	2	French				
				0	3	German				
				0	4	Spanish				
2	В	7	User Preset	0	0	Cancel	0	B7		
				0	1	Preset	-			
2	В	8	Video Reset	0	0	Cancel	0	B8		
				0	1	Yes	-			
2	В	9	Remote Sensor	0	0	On	0	B9		
				0	1	Off	-			
2	В	Α	Remote ID for XM	0	0	ID1	0	BA		USA & Canada
				0	1	ID2	-			
2	В	С	TV Format	0	0	PAL	0	BC		Only RX-V2600
				0	1	NTSC				
2	В	D	Wake on RS-232C Access	0	0	No	0	BD		
				0	1	Yes				

9

#### \*OSD message function

The OSD Message function can display a message of 16 characters to the RX-Vx600's OSD for a few seconds. The command sequence block will start by sending "start command" as mentioned above, followed by four bytes of packet data (SW:3) repeated four times. Then a message of sixteen characters (ASCII) will display and the command block will finish automatically. (ex.) Want to display "Test message!" characters to OSD.

1. Send the start command.

		STX	2	1	0	0	0	ETX	
2.	2. Send SW:3 commands four times as follows.								
		STX	3	6.3	'T'	'e'	's'	ETX	
		STX	3	't'		'm'	'e'	ETX	
		STX	3	's'	's'	ʻa'	ʻg'	ETX	
		STX	3	'e'		'!'		ETX	

3. The command block will be finished automatically.

Characters available for displaying the message are as follows:

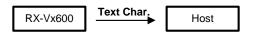
```
""(SPACE) "!" "#" "%" "&" "(" ")" "*" "+" "," "-" "." "0" "1" "2" "3" "4" "5" "6" "7" "8" "9" ":" "<" "=" ">" "?" "A" "B" "C" "D"
"E" "F" "G" "H" "|" "J" "K" "L" "M" "N" "O" "P" "Q" "R" "S" "T" "U" "V" "W" "X" "Y" "Z" "[" "]" "_" "a" "b" "c" "d" "e" "f" "g"
"h" "i" "j" "k" "I" "m" "n" "o" "p" "q" "r" "s" "t" "u" "v" "w" "x" "y" "z"
```

#### \*Commands to get the display characters as text data (ASCII)

This command can get certain text data (ASCII) from the RX-Vx600 to be used by a host device as follows.

- Tuner frequency characters: "1 07.9" (MHz)
- Master volume value characters: "-99.0dB" / " MUTE"
- Input name: "MY PC" (Even renamed by "SET MENU:INPUT RENAME")
- Zone2 input name: "PS 2" (Even renamed by "SET MENU:INPUT RENAME")

The response protocol for the text request commands are as follows.



DDAT DATA 0 – 9,A - Z ASCII char.	RCMD0,1	COMMAND	0 – 9,A - F	00xFF
0 7 CD Cooperator	DDAT	DATA	0 – 9,A - Z	ASCII char.
0-7 Space char.	0 - 7		SP	Space char.

Report Command

	DC1	RCMD0	RCMD1	DDAT	ETX							
				0	1	2	3	4	5	6	7	
Tuner Frequency	DC1	0	0	SP	SP	Х	х	х	Х	х	х	ETX
Main Volume Value	DC1	0	1	SP	х	Х	х	х	Х	х	х	ETX
Zone2 Volume Value	DC1	0	2	SP	х	Х	х	х	Х	х	х	ETX
Input Name	DC1	0	3	Х	х	Х	х	х	Х	х	х	ETX
Zone2 Input Name	DC1	0	4	Х	х	Х	х	х	Х	х	х	ETX
Zone3 Volume Value	DC1	0	5	SP	х	Х	х	х	Х	х	х	ETX
Zone3 Input Name	DC1	0	6	Х	Х	Х	Х	Х	Х	Х	Х	ETX

4 Byte Remote Control Code

STX | SW ('0') | CMDT0 | CMDT1 | CMDT2 | CMDT3 | ETX

Operation Command supports all **direct codes** from the standard and extended IR code library for the RX-x600.

ition C	omm			all dir	ect codes from the standar	rd and extended			the RX-x600.
0)4/			IDT_			0 ""		rt Command	N
SW	0	1	2	3	Function	Setting	Туре	RCMD1,2	Note
0	7	A	1	A	Main Volume	Up	0	26	
0	7	A	1	В	Audio Muto	Down	0	26	
0	7	E	A D	2	Audio Mute	On (Full)	0	23	
0	7	E	A	F 3		On (-20dB) Off	0	23 23	
0	7	A	1	4	Input	PHONO	0	23	
0	7	A	1	5	input	CD	ď	21	
0	7		_						
0	7	A	1	6 9		TUNER CD-R			
0	7	A	1	8 1		MD/TAPE DVD			
	7	A	С	4		DTV			
0	7	A	5 C	0		CBL/SAT			
0	7	A	0	F		VCR1	-		
0	7	A	1	3		DVR/VCR2	-		
0	7	A	5	5		V-AUX	-		
0	7	A	В	4		XM	-		Only USA & Canada
0	7	E	A	4	Multi CH Input	On	0	21	Offig USA & Carlada
					Multi CH Input	Off	U	21	
0	7	E	A	5	Pure Direct 2ch		0	8C	
0	7	E	8	0	Pule Direct 2ch	On Off	U	80	
0	7	E	8	2	Audio Calast	Off		20	
0	7	E	A	6	Audio Select	Auto	0	22	
0	7	E	A	9		COAX/OPT	4		
0	7	E	A	A		Analog	1		
0	7	E	D	A		HDMI			
0	7	E	D	В	Decoder Mode	AUTO	0	5E	
0	7	E	Α	8		DTS			
0	7	E	3	В		AAC			
0	7	Α	D	Α	Zone2 Volume	Up	0	27	
0	7	Α	D	В		Down			
0	7	E	Α	0	Zone2 Mute	On	0	25	
0	7	E	Α	1		Off			
0	7	Α	D	0	Zone2 Input	PHONO	0	24	
0	7	Α	D	1		CD			
0	7	Α	D	2		TUNER			
0	7	Α	D	4		CD-R			
0	7	Α	D	3		MD/TAPE			
0	7	Α	С	D		DVD			
0	7	Α	D	9		DTV			
0	7	Α	С	С		CBL/SAT			
0	7	Α	D	6		VCR1			
0	7	Α	D	7		DVR/VCR2			
0	7	Α	D	8		V-AUX			
0	7	Α	В	8		XM		_	Only USA & Canada
0	7	Α	1	D	All Zone Power	On	0	20	
0	7	Α	1	E		Standby			
0	7	E	7	E	Main Zone Power	On	0	20	
0	7	E	7	F		Standby			
0	7	E	В	Α	Zone2 Power	On	0	20	
0	7	E	В	В		Standby			
0	7	Α	E	D	Zone3 Power	On	0	20	
0	7	Α	E	E		STANDBY			
0	7	E	2	6	Zone3 Mute	On	0	A1	
0	7	E	6	6		Off			
0	7	Α	F	D	Zone3 Volume	Up	0	A2	
0	7	Α	F	E		Down		<u> </u>	
0	7	Α	F	1	Zone3 Input	PHONO	0	A0	
0	7	Α	F	2		CD			
0	7	Α	F	3		TUNER	1		
0	7	Α	F	5		CD-R	1		
0	7	Α	F	4		MD/TAPE	1		
0	7	Α	F	С		DVD	1		
0	7	Α	F	6		DTV	1		
0	7	Α	F	7		CBL/SAT	1		
0	7	A	F	9		VCR1	1		
0	7	Α	F	A		DVR/VCR2	1		
0	7	A	F	0		V-AUX	1		
0	7	A	В.	9		XM	1		Only USA & Canada
				, ,					5, 55 a Gariada

CMDT_         0         1         2         3         Function           0         7         E         B         0         On Screen		Kepo	rt Command	
	Setting	Type	RCMD1,2	Note
u (   E   B   U Un Screen	Off	0	2B	14010
0 7 E B 1	Short (On)	1		
0 7 E B 2	Full	1		RX-V1600
0 7 E B 3 Sleep Timer	Off	0	2C	
0 7 E B 4	120	1		
0 7 E B 5	90			
0 7 E B 6	60	]		
0 7 E B 7	30			
0 7 E B 8 EXTD SUR.	EX/ES	0	2D	
0 7 E B 9	Off	0		
0 7 E 7 C	Auto	0		
0 7 E D C	EX	0		
0 7 E D D	PLIIx Movie	0		
0         7         E         D         E           0         7         E         9         C         Night Listening Mode	PLIIx Music Off	0	8B	
0         7         E         9         C         Night Listening Mode           0         7         E         9         B	Cinema	U	OD	
0 7 E C F	Music	4		
0 7 E 2 7 EFFECT	ON	0	28	
0 7 E E 0 STRAIGHT	OI4	0	28	
0 7 E E 1 DSP / Surround	Munich	0	28	Only RX-V2600
0 7 E E 5	Vienna	1		. ,
0 7 E E 8	Freiburg	1		Only RX-V2600
0 7 E E C	The Bottom Line	1		,
0 7 E E D	The Roxy Theatre	1		
0 7 E F 0	Disco	1		
0 7 E F 2	Game	1		
0 7 E F F	7ch Stereo	1		
0 7 E C 0	2ch Stereo	1		
0 7 E F 3	Pop/Rock	1		
0 7 E F 5	Classical/Opera			Only RX-V2600
0 7 E F 7	Mono Movie	]		
0 7 E F 8	TV Sports	]		
0 7 E F 9	Spectacle	]		
0 7 E F A	Sci-Fi	]		
0 7 E F B	Adventure	]		
0 7 E F C	General			
0 7 E F D	Standard	1		
0 7 E F E	Enhanced			
0 7 E C 2	THX Cinema	1		
0 7 E C 3	THX Music	4		
0 7 E C 8	THX Game	_	- 00	
0         7         A         E         0         Tuner Preset Page           0         7         A         E         1	A B	0	29	
0 7 A E 1 0 7 A E 2	С	-		
0 7 A E 3	D	1		
0 7 A E 3	E	1		
0 7 A E 5 Tuner Preset Number	1	0	2A	
0 7 A E 6	2	1		
0 7 A E 7	3	1		
0 7 A E 8	4	1		
0 7 A E 9	5	1		
0 7 A E A	6	]		
0 7 A E B	7	J		
0 7 A E C	8	<u></u>		
0 7 E B C Tuner Band	FM	0	35	
0 7 E B D	AM	<u> </u>		
0 7 E B E Tuner Auto Tuning	Up	0	15	
0 7 E B F	Down	ļ		
0 7 E A B Speaker Relay A	On	0	2E	
0 7 E A C	Off			
0 7 E A D Speaker Relay B	On On	0	2F	
0 7 E A E	Off			
0 7 E 2 B System Memory Save		0	31	
0 7 E 2 C	2	1		
0 7 E 2 D	3	-		
0 7 E 2 E 0 7 E 2 F	4	-		
	5	1		
0 7 E 3 0	6	1	l .	1

		CM	DT_				Repor	t Command	
SW	0	1	2	3	Function	Setting	Туре	RCMD1,2	Note
0	7	E	3	5	System Memory Load	1	0	30	
0	7	E	3	6 7		3			
0	7	E	3	8		4			
0	7	E	3	9		5	i		
0	7	Е	3	Α		6			
0	7	Е	6	В	Main Volume Memory Save	1	0	33	
0	7	E	6	С		2	l		
0	7	E E	6	D E		3 4	ł		
0	7	E	6	F		5	i		
0	7	Е	7	0		6	1		
0	7	Е	7	5	Main Volume Memory Load	1	0	32	
0	7	E	7	6		2			
0	7	E	7	7		3	ł		
0	7	E	7	8 9		<u>4</u> 5	ł		
0	7	E	7	A		6	1		
0	7	Е	8	7	Zone2 Volume Memory Save	1	0	38	
0	7	Е	8	8		2	]		
0	7	E	8	9		3			
0	7	E E	8	A B		4	l		
0	7	E	8	С		5 6	ł		
0	7	E	8	D	Zone2 Volume Memory Load	1	0	37	
0	7	Е	8	Е	,	2	1		
0	7	Е	8	F		3	]		
0	7	E	9	0		4			
0	7	E	9	1		5	ł		
0	7	E	9	0	Zone3 Volume Memory Save	6	0	A4	
0	7	E	2	1	Zones volume Memory Save	2	ľ	Α4	
0	7	Е	2	2		3	1		
0	7	Е	2	3		4	]		
0	7	Е	2	4		5			
0	7	E	2	5	7 0 1 1	6		4.0	
0	7	E	6	0 1	Zone3 Volume Memory Load	2	0	A3	
0	7	E	6	2		3	i		
0	7	Е	6	3		4	1		
0	7	Е	6	4		5	]		
0	7	E	6	5		6			
0	7	E	3	2	DC1 Trigger Control	Zone1	0	3A	
0	7	E	3	3 1		Zone2 Zone3	ł		
0	7	E	3	4		All Zone OR	i		
0	7	E	7	3	DC1 Trigger Zone1	On	0	36	
0	7	Е	7	4		Off			
0	7	E	7	1	DC1 Trigger Zone2	On	0	36	
0	7	E	7	2	DC1 Trigger 7ano	Off	_	20	
0	7	E	8	3	DC1 Trigger Zone3	On Off	0	36	
0	7	E	9	3	Dual Mono Mode	Main	0	39	Only Japanese Model
0	7	E	9	4		Sub			, , ,
0	7	Е	9	5		All			
0	7	E	9	6	DC2 Trigger Control	Zone1	0	3B	
0	7	E	9	7 F		Zone2	l		
0	7	E	9	8		Zone3 All Zone OR	ł		
0	7	E	3	E	DC2 Trigger Zone1	On	0	3C	
0	7	Е	3	F		Off	<u> </u>		
0	7	Е	3	С	DC2Trigger Zone2	On	0	3C	
0	7	E	3	D	B00.T:	Off	<u> </u>		
0	7	E	8	5 6	DC2 Trigger Zone3	On Off	0	3C	
0	7	E	2	8	Speaker B SET	Main	0	3E	
0	7	E	2	9	oposition D OE 1	Zone B	ľ	J_	
0	7	Е	9	9	ZONE2 Amp	INT: Presence	0	3F	
0	7	Е	9	Α		EXT			

		CN	MDT_				Reno	rt Command	
SW	0	1	2	3	Function	Setting	Туре	RCMD1,2	Note
0	7	E	6	7	2ch Decoder	PLIIx Movie	0	6E	11010
0	7	E	6	8	2611 2000001	PLIIx Music	Ĭ	OL.	
0	7	E	6	9		Neo:6 Cinema	1		
0	7	E	6	A		Neo:6 Music	1		
0	7	E	C	7		PLIIx Game	1		
0	7	E	C	9		Pro Logic			
0	7	E	C	A		CSII Cinema	1		Only Japanese Model
0	7	E	C	В		CSII Music	1		Only Japanese Model
0	7	A	6	0	XM CH Number	0	0		
0	7	A	6	1	XM CH/Preset Number	1	0	91*	*Preset Number
0	7	A	6	2	XM CH/Preset Number	2	0	91*	
0	7	A	6	3	XM CH/Preset Number	3	0	91*	
0	7	A	6	4	XM CH/Preset Number	4	0	91*	
0	7	A	6	5	XM CH/Preset Number	5	0	91*	
0	7	A	6	6	XM CH/Preset Number	6	0	91*	
0	7	A	6	7	XM CH/Preset Number	7	0	91*	
0	7	A	6	8	XM CH/Preset Number	8	0	91*	
0	7	A	6	9	XM CH Number	9	0		
0	7	A	6	A	XM CH/Preset Number	Up	0	91 / 94	91:Preset Number
0	7	A	6	В		Down			94:Channel Number
0	7	A	6	C	XM Category / Preset Page	Up	0	90	90:Preset Page
0	7	A	6	E	· ···· caregory / · · · corr age	Down			
0	7	A	6	F	XM Hold/Release Display	Toggle	0	95	
0	7	A	7	0	XM History Next	Toggle			
0	7	A	7	1	XM Preset Memory	1 2 3 3 1 2			
0	7	A	В	5	XM Search Mode	All CH	0	92	
0	7	A	В	6		Category			
0	7	A	В	7		Preset			
0	7	Α	В	Α	XM Preset Page	Α	0	90	
0	7	Α	В	В	3	В			
0	7	Α	В	С		С			
0	7	Α	В	D		D			
0	7	Α	В	E		Е			
0	7	A	В	F	XM ENT.				Decide CH Number
0	7	A	7	3	Zone2 Tone Control	Bass +	0	4B	
0	7	Α	7	4		Bass -	1		
0	7	Α	7	5		Treble +	0	4C	
0	7	Α	7	6		Treble -	1		
0	7	Α	7	7	Zone3 Tone Control	Bass +	0	4D	
0	7	A	7	8		Bass -	1		
0	7	A	7	9		Treble +	0	4E	
0	7	A	7	A		Treble -	1		
0	7	Α	A	0	GUI Operation	Top Menu	Ì	No Report	
0	7	Α	D	Е		Enter	1	-	
0	7	Α	Α	1		Exit	1		
0	7	Α	9	D		Cursor Up	1		
0	7	Α	9	С		Cursor Down	1		
0	7	Α	9	Е		Cursor Right	1		
0	7	Α	9	F		Cursor Left	1		

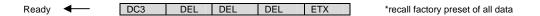
## 4. Reset Command

The Reset Command recalls factory preset data. Once the factory presets are recalled, all user controllable setting / parameter data will be deleted and replaced with original factory settings.

Do not use this command unless you have been experiencing problems with the system or if you just want to clean up the system.



After the system is reset, request the Configuration Command using the Ready Command (see section 2) in order to get accurate feedback of RX-Vx600 status to your touch panel system.



#### 5. Report Command

The RX-Vx600 will send a Report Command in response to Control Commands from the host controller. From the Report Command you can receive the current status of the RX-Vx600.



There are three types of Report Commands classified by their information type.

- System Status Report RX-Vx600 reports a System Status Report when the system status has changed.

- Playback Status Report RX-Vx600 reports a Playback Status Report when the internal playback status has

changed.

- Operation Report When the RX-Vx600 is controlled by remote controller, front panel, RS-232C or system

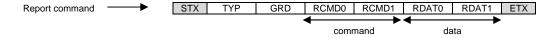
controller, the RX-Vx600 sends an Operation Report, which includes the latest setting

status of the controlled function.

\* The RX-Vx600 reports a System State Report with system guard to inform its power status (power off) if it receives a control command while it is turned off.

\* The guard status is included in the Report Command (GRD). If the control command the host sent was accepted, the guard status in the Report Command is '0' (No Guard). On the contrary the guard status will be 'System Guard' or 'Setting Guard' if the command was guarded for some reason (e.g. If you send a 'Speaker A ON' command while you are using a headphone, the guard status will be 'System Guard' because the speaker controls are prohibited when a headphone is being used).

\*If a status changes multiple times in a certain time, the RX-Vx600 reports only one report command.



function name	function	data (ASCII)	range (HEX)
TYP	control type	0 - 9	0 - 9
GRD	guard status	0 - 9	0 - 9
RCMD0, 1	command	0 - 9, A - F	0 - 0xFF
RDAT0, 1	data	0 - 9, A - F	0 - 0xFF

<Control type> This indicates for which type of control the report command is.

TYP	control type
0	controlled by RS-232C
1	controlled by remote controller (IR)
2	controlled by keys in the unit
3	controlled by system
4	controlled by encoder

< Guard status > This indicates guard status against all control commands

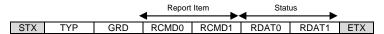
GRD	Guard status*	
0	no guard	
1	system guard	
2	setting guard	

<sup>\*</sup>see the following table

\* Factor of guards and content informed in report commands when there are no guards

Operation	No guard	System guard	Setting guard
Power	Power status		
Input	Multi CH/ selected input		
Audio Select	selected Audio Select	Multi CH Input is ON during Input Rename function doesn't have the designated Audio Select	
Zone2 Input	selected input	zone2 selector is not at "REMOTE"	
Mute	mute status		
Zone2 mute	mute status		
Main volume	volume value		
DSP/Surround	Program ID	6ch input is ON source is not 32kHz,44.1kHz or 48kHz	
EXTD SUR Key	status	Multi CH input is ON Surround is OFF	
Tuner page	page	Tuner function is not active	
Tuner Preset No.	No.	Tuner function is not active	
OSD	status	SET MENU is active Test tone is ON	Memory Guard is ON
Sleep	status	Test tone is ON	
System Memory	selected number		
Volume Memory	selected number		
Speaker A/B	ON/OFF Status	Headphone Mode	

## 5.1 System Status Reports



RCMD0, 1	Report Item	RDAT0, 1	Status
00	system	00 01 02	OK Busy Standby

Ready to accept control commands Start of the term prohibits sending commands Report against commands which cannot be accepted when Power is on Standby

\*RX-Vx600 sends this report when the system is reset or the power turns off. It can be used for observation of the system revival.

01 Warning 00 Over Current

01	warning	00	Over Current
		01	DC Detect
		02	Power Trouble
		03	Over Heat

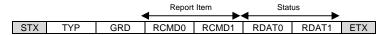
Report of abnormal states (Only when it's possible to report)

## 5.2 Playback Status Reports

	_	Report	Item	Stati	us	
STX TYP	GRD	RCMD0	RCMD1	RDAT0	RDAT1	ETX

RCMD0, 1	Report Item	RDAT0, 1	Status	
10	Playback	00	Multi CH Input	
	-	01	Analog	
		02	PCM	
		03	D.D.(except for 2/0)	When audio code mode is other than 2/0
		04	D.D.(2/0)	When audio code mode is 2/0
		05	D.D. Karaoke	
		06	D.D.EX	
		07	DTS	
		08	DTS. ES	
		09	Other Digital	When waiting for decoding, etc.
		0A	DTS Analog Mute	
		0B	DTS Discrete	
		0C	Other than AAC 2/0	
		0D	AAC 2/0	
11	Fs	00	Analog	
		01	32kHz	
		02	44.1kHz	
		03	48kHz	
		04	64kHz	
		05	88.2kHz	
		06	96kHz	
		07	Unknown	
		08	128.0 kHz	
		09	176.4 kHz	
		0A	192.0 kHz	
		0B	48kHz (96kHz)	DTS 96/24 signal
12	EX/ES	00	Off	Playback status
		01	Matrix On	
		02	Discrete ON	
13	THR/Bypass	00	Off	
		01	On	When the DSP-LSI is Bypassed.
14	RED DTS	00	Release	RED DTS status*
		01	Wait	After the signals of DTS CD/LD are stopped, the RED DTS
				status stays at "Wait" for 2 sec., then changes to "Release"
				When the RED DTS is "Wait", this can be released by
				changing the Decoder Mode.
15	Tuner tuned	00	Not tuned	This report will be sent When the Tuner signal is changed.
10	i uner tuned	00	Tuned	This report will be sent when the Tuner signal is changed.
40	DTC 00/04			DTC 00/04 decede
16	DTS 96/24	00	Off	DTS 96/24 decode
I	1	01	On	

## 5.3 Operation Reports



RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
20	Power	00	ALL (Main/Zone2/3) OFF	28	Program	00	Munich
		01	ALL (Main/Zone2/3) ON		3	01	Hall B
		02	Main On / Zone2 Off / Zone3 Off			02	Hall C
		03	Main Off / Zone2 On / Zone3 On			04	Hall C
		04	Main On / Zone2 On / Zone3 Off			05	Vienna
		05	Main On / Zone2 Off / Zone3 On			06	Live Concert
		06	Main Off / Zone2 On / Zone3 Off			08	Tokyo
		07	Main Off / Zone2 Off / Zone3 On			09	Freiburg
21	Input	x,0	PHONO			0A	Royaumont
		x,1	CD			0C	Village Gate
		x,2	TUNER			0D	Village Vanguard
		x,3	CD-R			0E	The Bottom Line
		x,4	MD/TAPE			10	The Roxy Theater
		x,5	DVD			11	Warehouse Loft
		x,6	DTV			12	Arena
		x,7	CBL/SAT			14	Disco
		x.8	SAT			15	Party
		x,9	VCR1 DVR /VCR2			16 17	Game 7ch Stereo
		x,A X,B	VCR3/DVR			17 18	/ch Stereo Pop / Rock
		x.C	V-AUX			19	DJ
		x.c x,E	V-AUX XM			19 1C	Classical / Opera
		0/1,x	Multi CH input OFF/ON			1D	Pavilion
22	Audio	x, 0	AUTO			20	Mono Movie
	Select	x, 3	COAX / OPT			21	TV Sports
		x,4	ANALOG				Spectacle
		x, 5	ANALOG ONLY			25	Sci-Fi
		x. 8	НДМІ			28	Adventure
	Decoder	0, x	AUTO			29	General
	Mode	1, x	DTS			2C	Standard
		2, x	AAC			2D	Enhanced
23	Audio Mute	00	Off			30	PLII Movie
		01	On			31	PLII Music
24	Zone2 Input	00	PHONO			32	Neo: 6 Movie
		01	CD			33	Neo: 6 Music
		02	TUNER			34	2ch Stereo
		03	CD-R			35	STREO B 2CH Direct Stereo
		04	MD/TAPE			36	THX Cinema
		05	DVD			37	THX Music
		06 07	DTV CBL/SAT			3C	THX Game
		08	SAT SAT				STRAIGHT
		09	VCR1			80 85	STRAIGHT ( Munich ) STRAIGHT ( Vienna )
		0A	DVR/VCR2				STRAIGHT (Vieillia)
		0C	V-AUX			BC	STRAIGHT (THX Game)
		0E	XM	29	Tuner Page	00	A
25	Zone2 Mute	00	Off			01	В
		01	On				C
26	Main	00	-oo (Infinite Attenuation)			03	D
-	Volume	27	-80dB			04	_ E
				2A	Preset No.	00	1
		C7	0dB			01	2
						02	3
		E8	16.5dB			03	4
27	Zone 2 Vol.	00	-oo (Infinite Attenuation)			04	5
		27	-80dB			05	6
						06	7
		C7	0dB			07	8
		E8	16.5dB				

2B	OSD	00	Full
		01	Short
		02	Off
2C	Sleep	00	120
		01	90
		02	60
		03	30
		04	Off
2D	EXTD SUR	00	Off
		01	EX/ES
		02	Discrete On
		03	Auto
		04	EX
		05	PLIIx Movie
		06	PLIIx Music
2E	SP Relay A	00	Off
		01	On
2F	SP Relay B	00	Off
		01	On

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
30	System	01	Load 1	36	DC1 Trigger	00	Off (Due to the delay)
	Memory	02	2		Output	01	On (Due to the delay)
		03	3	37	Zone 2 Vol.	01	Load 1
		04	4		Memory	02	2
		05	5			03	3
		06	6	]		04	4
31	System	01	Save 1			05	5
	Memory	02	2			06	6
		03	3	38	Zone 2 Vol.	01	Save 1
		04	4		Memory	02	2
		05	5			03	3
		06	6	1		04	4
32	Volume	01	Load 1			05	5
	Memory	02	2			06	6
		03	3	39	Dual	00	Main
		04	4		Mono	01	Sub
		05	5			02	All
		06	6	3A	DC1 Trigger	00	All Zone OR
33	Volume	01	Save 1		Control	01	Main
	Memory	02	2			02	Zone 2
		03	3			03	Zone 3
		04	4	3B	DC2 Trigger	00	All Zone OR
		05	5		Control	01	Main
		06	6			02	Zone 2
34	Headphone		Off			03	Zone 3
		01	On	3C	DC2 Trigger	00	Off (Due to the delay)
35	Tuner	00	FM		Output	01	On (Due to the delay)
	Band	01	AM	3D	SP B	00	Main
					SET	01	Zone B
				3E	Zone 2	00	EXT
					Amp	01	INT: Surround
						02	INT: Presence
						03	INT: Both
				3F	Zone 3	00	EXT
					Amp	01	INT: Surround
						02	INT: Presence
						03	INT: Both

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
40	Level	14	-10dB	47	Level	14	-10dB
	Front R	15	-9.5dB		Presence	15	-9.5dB
					R		
		3C	+10dB				
41	Level	14	-10dB	48		3C	+10dB
	Front L	15	-9.5dB		Level	14	-10dB
					Presence	15	-9.5dB
		3C	+10dB		L		
42		14	-10dB	49	Level	14	-10dB
	Level	15	-9.5dB		Subwoofer	15	-9.5dB
	Center				(1)		
		3C	+10dB			3C	+10dB
43		14	-10dB	4B	Zone2	00	-10dB
	Level	15	-9.5dB		Tone Control	01	-8dB
	Surround R				Bass		
		3C	+10dB			0A	+10dB
44		14	-10dB	4C	Zone2	00	-10dB
	Level	15	-9.5dB		Tone Control	01	-8dB
	Surround L				Treble		
		3C	+10dB			0A	+10dB
45	Level	14	-10dB	4D	Zone3	00	-10dB
	Surround	15	-9.5dB		Tone Control	01	-8dB
	Back				Bass		
	R	3C	+10dB			0A	+10dB
46	Level	14	-10dB	4E	Zone3	00	-10dB
	Surround	15	-9.5dB		Tone Control	01	-8dB
	Back				Treble		
	L	3C	+10dB			0A	+10dB

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
50	Main		Lch Max	5B	Initial	00	Off
00	L/R			0.5	Volume	27	-80dB
	Balance		Mid		Volumo		
						C7	0dB
			Rch Max				
51	LFE	00	-20dB			E8	16.5dB
	Level	01	-19dB	5E	Decoder	0,x	Auto
	SP				Mode		DTS
		14	0dB			2,x	AAC
52	LFE	00	-20dB			Χ,0	PHONO
	Level	01	-19dB			X , 1	CD
	HP					X,2	TUNER
		14	0dB			Х,3	CD-R
53	Audio	00	0ms			X,4	MD/TAPE
	Delay	01				X,5	DVD
						, -	DTV
		F0	240ms			X,7	CBL/SAT
58	Wall	00	YES			X,9	VCR1
	Paper	0E	Gray			Χ,Α	DVR / VCR2
		0F	NONE			X,C	V-AUX
5A	MAX	00	-30dB			х,Е	хм
	Volume	01	-25dB	5F	Decoder	00	Auto
		02	-20dB		Mode Set	01	Last
		03	-15dB				
		04	-10dB				
		0A	16.5dB				

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
60	Audio	00	Auto	63	Gray	00	Off
	Select	01	Last		Back	01	Auto
61	Dimmer	00	-4	64	Dynamic	00	Max.
		01	-3		Range	01	Std.
		02	-2		SP	02	Min.
		03	-1	65	Dynamic	00	Max.
		04	0		Range	01	Std.
62	OSD	00	-5		HP	02	Min.
	Shift			66	Zone2	00	Variable
		0A	+5		Volume Out	01	Fixed
	GUI	X0	Horizontal -5	68	Memory	00	Off
	Position				Guard	01	On
		XA	+5	69	Video	00	Off
		0X	Vertical -5		Conversion	01	On
				6B	Zone3	00	Variable
		AX	+5		Volume Out	01	Fixed

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
6C	Zone2	00	Off	6E	2ch Decoder	00	Pro Logic
	OSD	01	Zone2			01	PLIIx Movie
		02	Zone2 & Zone3			02	PLIIx Music
						03	PLIIx Game
						04	Neo:6 Cinema
						05	Neo:6 Music
						06	CSII Cinema
						07	CSII Music

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
70	Center	00	Large	7B	Multi CH	00	6ch
	SP	01	Small		Select	01	8ch Tuner
		02	None			02	8ch CD
71	Front	00	Large			03	8ch CD-R
		01	Small			04	8ch MD/TAPE
72	Surround	00	Large			05	8ch DVD
	SP	01	Small			06	8ch DTV
		02	None			07	8ch CBL/SAT
73	Surround	00	Large x2			09	8ch VCR1
	Back	01	Large x1			0A	8ch DVR/VCR2
		02	Small x2			0C	8ch V-AUX
		03	Small x1			0E	8ch XM
		04	None	7D	PR/SB	00	Presence
74	Presence	00	Yes		Priority	01	Surround Back
		01	None	7E	Subwoofer	00	40 Hz
75	LFE	00	SWFR		Crossover	01	60 Hz
	Bass	01	Main			02	80 Hz
	Out	02	Both			03	90 Hz
76	Subwoofer	0X	Normal			04	100 Hz
	Phase	1X	Reverse			05	110 Hz
						06	120 Hz
						07	160 Hz
						08	200 Hz

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
80	Test	00	Off	8B	Night Mode	00	OFF
		01	On		Parameter	10	Cinema level LOW
85	Component	00	Off			11	MIDDLE
	I/P	01	On			12	HIGH
86	HDMI	00	Off			20	Music Level LOW
	I/P	01	On			21	MIDDLE
87	HDMI	00	Through			22	HIGH
	Up-Scaling	01	480p / 576p (NTSC / PAL)	8C	Pure	00	Off
		02	1080i		Direct	01	On
		03	720p	8F	HDMI	00	RX-V2600 / V1600
88	HDMI	00	Through		Support Audio	01	Other
	Aspect	01	16:9 Normal				
8A	THX	00	Under 1f (0.3m)	1			
ł	SB Dist	01	1 – 4ft (0.3 – 1.2m)				
		02	Over 4ft (1.2m)				

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
90	XM	00	A	92	XM	00	All CH
	Preset Page	01	В		Search Mode	01	Category
		02	С			02	Preset
		03	D	93	XM	00	Off
		04	E		Display Time	01	10sec
91	XM	00	1			02	30sec
	Preset Num	01	2			03	On
		02	3	94	XM	00	CH #0
		03	4		CH Number	01	CH #1
		04	5				
		05	6			FF	CH #255
		06	7	95	XM Display	00	Release
		07	8		Hold / Release	01	Hold

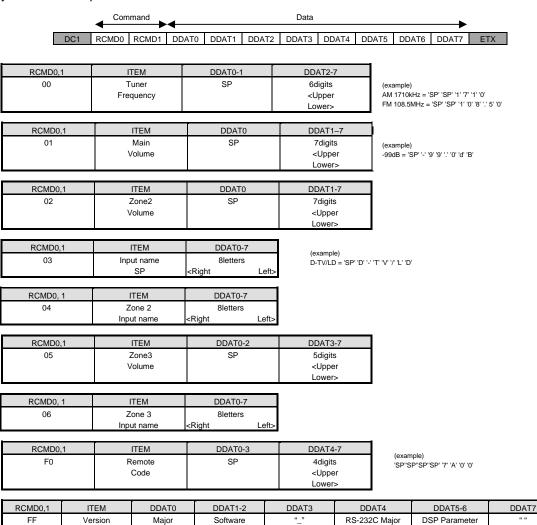
RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0, 1	Status
A0	Zone 3	00	PHONO	A3	Zone 3	01	Load 1
	Input	01	CD		Volume	02	2
		02	TUNER		Memory	03	3
		03	CD-R			04	4
		04	MD/TAPE			05	5
		05	DVD			06	6
		06	DTV	A4	Zone 3	01	Save 1
		07	CBL/SAT		Volume	02	2
		09	VCR1		Memory	03	3
		0A	DVR/VCR2			04	4
		0C	V-AUX			05	5
		0E	хм			06	6
A1	Zone 3	00	Off	A5	Mute Type	00	Full
	Mute	01	On			01	-20dB
A2	Zone 3	00	-oo (Infinite Attenuation)	A7	EQ Select	00	Auto PEQ
	Volume	27	-80dB		Type	01	GEQ
						02	EQ Off
		C7	0dB	A8	Tone	00	Auto
					Bypass	01	off
		E8	16.5dB				

RCMD0, 1	Report Item	RDAT0, 1	Status	RCMD0, 1	Report Item	RDAT0,	1	Status
В0	Advanced	00	Off	В7	User	00	Cancel	
	Setup	01	On		Preset	01	Reset	
B1	Remote ID	00	ID1	В8	Video	00	Cancel	
	for AMP	01	ID2		Reset	01	Yes	
B2	Fan Control	00	Auto	B9	Remote	00	On	
	Mode	01	Cont		Sensor	01	Off	
В3	Speaker	00	8 ohm	BA	Remote ID	00	ID1	
	Impedance	01	6ohm		for XM	01	ID2	
B4	Tuner	00	AM10/FM100 (kHz)	BB	Bi-AMP	00	On	
	Step	01	AM 9/FM50 (kHz)			01	Off	
B5	Remote ID	00	ID1	BC	TV Format	00	PAL	
	for Tuner	01	ID2			01	NTSC	
В6	Language	00	English	BD	Wake on	00	No	·
		01	Japanese		RS232C	01	Yes	
		02	French			·		
			German					
		I	Spanish					

#### Attention

- \*When the Input is changed, the RX-Vx600 sends an Operation Report for Input (RCMD0,1="21") and Audio Select (RCMD0,1="22").
- \* When the System Memory is changed, the RX-Vx600 sends an Operation Report for System Memory (RCMD0,1="30") and Configuration Command.
- \* When a headphone is plugged into the headphone jack and the Speaker Relay is turned off, the RX-Vx600 sends an Operation Report for Speaker Relay A and B (RCMD0,1="2E","2F", RDAT="00(OFF)"). The RX-Vx600 sends an Operation Command for Speaker Relay A and B when the headphone is removed also.
- \* Each time the source from the Inputs or playback status (ex. 6.1/ES, RED DTS etc.) of the system changes, the RX-Vx600 sends a Playback Status report.
- \* Each time the busy status of the system changes, the RX-Vx600 sends a System Status report.

#### 5.4 Display Text Data Report



(example)		
'SP"SP"SP"SP' '7' 'A'	'0'	

FUNCTION	ITEM	DATA (ADCII)	RANGE	
RCMD0,1	Command	0-9, A-F	00xFF	
DDAT	Data	0-9, A-Z	ASCII	
0-7		SP, other ASCII	Space, dots	

Version

Information

(Don't care)

Version

Version

(Don't care)

#### **Example of RX-Vx600 Control Procedure**

[1] Connection Start procedure (AC Plug / RS-232C cable connection)

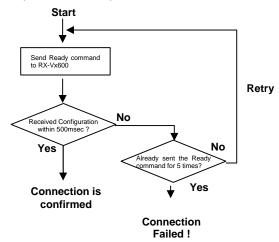
When the AC plug / RS-232C cable are not connected, the RX-Vx600 cannot send any data to the host. If the host doesn't receive a configuration command after sending a Ready command 5 times, the host should disable the RS-232C communication and send an alert to the graphic user interface (GUI).

[2] AC plug / RS-232C connection check sequence after the connection has been confirmed in the procedure [1].

If the host doesn't receive a Report Command within 500ms of sending a command, the host should resend the command. If no Report Command is received after sending 5 times, check the AC plug/RS-232 cable (cf. [1]).

When the RS-232C cable is disconnected, the commands generated inside the RX-Vx600 are stored in the sending buffer. If the stored commands exceed the buffer memory size (buffer overflow), the RX-Vx600 stops reporting any commands. In this case, reconnecting the AC plug or Connection Start procedure [1] will be needed in order to enable the command report.

## [1]: AC Plug / RS-232C connection check (Start transaction)



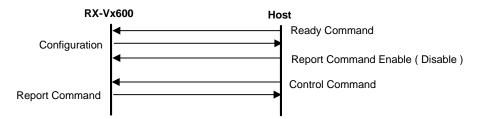
[3] AC plug connection detection (after [1],[2])

When the AC connection is reset, the RX-Vx600 sends a Configuration Command to the host. The host can display the status of the RX-Vx600 to its GUI.

[4] Getting the status of the RX-Vx600 when the host boots up At first, the host should send a Ready command and receive the Configuration Command from the RX-Vx600 (cf. [1]).

Once the connection is confirmed, the host can send Control Commands to the RX-Vx600.

When the RX-Vx600 is turned off, it accepts only System Commands and Power ON command.



[5] Error transactions after [4]

While sending a control command, if the RX-Vx600 didn't send any corresponding Report Commands regardless of re-trying for 5 times, the host should clear its send buffer and then check the AC plug / RS-232C connection sequence (cf. [1]). When the RX-Vx600 responds, the host can display the RX-Vx600 status to its GUI then return to the normal communication sequence. If not, the host should cancel the communication and report the alert to its GUI.

## **Appendix**

## \* ASCII Chart

	0	1	2	3	4	5	6	7
0	NUL	DLE	SP	0	@	Р	`	р
1	SOH	DC1	!	1	Α	Q	а	q
2	STX	DC2	"	2	В	R	b	r
3	ETX	DC3	#	3	C	S	С	S
4	EOT	DC4	\$	4	D	Т	d	t
5	ENQ	NAK	%	5	Е	U	е	u
6	ACK	SYN	&	6	F	V	f	V
7	BEL	ETB	1	7	G	W	g	W
8	BS	CAN	(	8	Н	Х	h	Х
9	HT	EM	)	9	ı	Υ	ı	у
Α	LF	SUB	*	:	J	Z	j	Z
В	VT	EXC	+	,	K	[	k	{
С	FF	FS	,	<	L	¥	I	
D	CR	GS	-	=	М	]	m	}
Ε	SO	RS		^	Ν	۸	n	
F	SI	US	/	?	0	_	0	DEL

<sup>\*</sup> Column numbers = the first hexadecimal digit Row numbers = the second hexadecimal digit

<sup>\*</sup> The characters in the gray cells are available for RS-232C communication.