

RX 1050

1 Byte waveform format

Baud Rate	Parity	Valid data bits	Stop bit value	Handshaking	Data type
2400	n	8	1	none	string

1. RX1050 -> PC

ID: xxxyyyzz

Display data

Start	Count	ID	Type	Chk	Data					Chk
0xfe	0x0f	0x60	0x20	flag1	flag2	char1	...	char11	xx	xx

char1~11

ASCII Characters

flag1:

bit7	
bit6	
bit5	
bit4	Stby LED
bit3	Display mode1
bit2	Display mode0
bit1	Speaker A
bit0	Speaker B

flag2:

bit7	
bit6	FM
bit5	Stereo
bit4	Tuned
bit3	Auto
bit2	Memory
bit1	Preset
bit0	AM

	Normal	FL off
display mode1	0	1
display mode0	0	0

2. PC -> RX1050

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0x60	0x10	xx	xx

key:

0x00	RMC Vol+
0x01	RMC Vol-
0x02	CD
0x03	Tuner
0x04	Tape
0x05	Video1
0x06	Video2
0x07	Video3
0x08	Video4
0x09	
0x0a	Power
0x0b	Vol+
0x0c	Vol-
0x0d	Treble+
0x0e	Treble-
0x0f	Bass+

key:

0x10	Bass-
0x11	
0x12	
0x13	
0x14	
0x15	
0x16	
0x17	Rec
0x18	OSD Menu
0x19	OSD Enter
0x1a	OSD Right (+)
0x1b	OSD Left (-)
0x1c	
0x1d	
0x1e	Mute
0x1f	FL On/Off

key:

0x20	Tune / Preset
0x21	Preset Scan
0x22	
0x23	Zone 2 / Main
0x24	Band
0x25	Freq. Direct
0x26	Mono
0x27	Memory / Enter
0x28	Tuning+
0x29	Tuning-
0x2a	1
0x2b	2
0x2c	3
0x2d	4
0x2e	5
0x2f	6

key:

0x30	7
0x31	8
0x32	9
0x33	0
0x34	
0x35	Phono
0x44	FL On/Off
0x4a	Power Off
0x4b	Power On
0x50	Speaker A
0x51	Speaker B
0xff	Refresh

RX 1050 RS232 Controller Command List

Table: RX 1050 Waveform format expected:

Baud Rate	Parity	Valid Data Bits	Stop Bit Value	Handshaking	Data Type
2400	N	8	1	None	String

Table: RX 1050 expected format of a request by RS232 controller:

Start	Count	Device ID	Type	Key	Checksum
0xFE	0x03	0x60	0x10	0xXX	0xXX

Table 1: Command List

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

RX 1050 HEX	Command	Command Description
FE 03 60 10 00 73	RMC Vol+	Remote Volume Up
FE 03 60 10 01 74	RMC Vol-	Remote Volume Down
FE 03 60 10 35 A8	Phono	Source Phono
FE 03 60 10 02 75	CD	Source CD
FE 03 60 10 03 76	Tuner	Source Tuner
FE 03 60 10 04 77	Tape	Source Tape
FE 03 60 10 05 78	Video 1	Source Video 1
FE 03 60 10 06 79	Video 2	Source Video 2
FE 03 60 10 07 7A	Video 3	Source Video 3
FE 03 60 10 08 7B	Video 4	Source Video 4
FE 03 60 10 0A 7D	Power	Power Toggle
FE 03 60 10 0B 7E	Vol+	Volume Up
FE 03 60 10 0C 7F	Vol-	Volume Down
FE 03 60 10 0D 80	Treble+	Treble Up
FE 03 60 10 0E 81	Treble-	Treble Down
FE 03 60 10 0F 82	Bass+	Bass Up
FE 03 60 10 10 83	Bass-	Bass Down
FE 03 60 10 17 8A	Rec	Record
FE 03 60 10 18 8B	Menu	Display Label Change
FE 03 60 10 19 8C	Enter	Character Enter
FE 03 60 10 1A 8D	Right (+)	Next Character
FE 03 60 10 1B 8E	Left (-)	Previous Character
FE 03 60 10 1E 91	Mute	Mute
FE 03 60 10 1F 92	FL On / Off	Display On / Off
FE 03 60 10 20 93	Tune / Preset	Tune / Preset Toggle
FE 03 60 10 21 94	Preset Scan	Preset Scan
FE 03 60 10 23 96	Zone 2 / Main	Zone
FE 03 60 10 24 97	Band	Tuner Band
FE 03 60 10 25 98	Freq. Direct	Tuner Frequency Direct

RX 1050 HEX	Command	Command Description
FE 03 60 10 26 99	FM Mono	Tuner FM Mono
FE 03 60 10 27 9A	Memory / Enter	Tuner Memory Enter
FE 03 60 10 28 9B	Tuning+	Tuner Up
FE 03 60 10 29 9C	Tuning-	Tuner Down
FE 03 60 10 2A 9D	1	1
FE 03 60 10 2B 9E	2	2
FE 03 60 10 2C 9F	3	3
FE 03 60 10 2D A0	4	4
FE 03 60 10 2E A1	5	5
FE 03 60 10 2F A2	6	6
FE 03 60 10 30 A3	7	7
FE 03 60 10 31 A4	8	8
FE 03 60 10 32 A5	9	9
FE 03 60 10 33 A6	0	0
FE 03 60 10 44 B3	Display	Tuner Display
FE 03 60 10 4A BD	Power Off	Power Off
FE 03 60 10 4B BE	Power On	Power On
FE 03 60 10 50 C3	Speaker A	Speaker A
FE 03 60 10 51 C4	Speaker B	Speaker B
FE 03 60 10 FF 72	Refresh	Refresh