

RC 1580

1 Byte waveform format

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

1. RC1580 -> PC

Display data

Start	Count	ID	Type	Data0 - Data41 (42 byte)	Chk
0xfe	0x2c	0x08	0x20	display data (ascii characters)	xx

2. PC -> RC1580

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0x08	0x10	xx	xx

key:

0x00	Power On/Off Toggle
0x01	Power Off
0x02	Power On
0x03	Listen Phono
0x04	Listen CD
0x05	Listen Tuner
0x06	Listen Aux1
0x07	Listen Aux2
0x08	Listen Aux3
0x09	Listen Tape1
0x0a	Listen Tape2
0x0b	Record Phono
0x0c	Record CD
0x0d	Record Tuner
0x0e	Record Aux1
0x0f	Record Aux2

key:

0x10	Record Aux3
0x11	Record Tape1
0x12	Record Off
0x13	Volume Up
0x14	Volume Down
0x15	Mute On/Off
0x16	
0x17	
0x18	
0x19	
0x1a	Record Function Select (rmc 0x1a)
0x1b	Bypass On/Off
0x1c	Bypass On
0x1d	Bypass Off
0x1e	
0x1f	
0x20	
0x21	

RC 1580 RS232 Controller Command List

Table: RC 1580 Waveform format expected:

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

Table: RC 1580 expected format of a request by RS232 controller:

Start	Count	Device ID	Type	Key	Checksum
0xFE	0x03	0x08	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.

RC 1580 HEX	Command	Command Description
FE 03 08 10 00 1B	Power	Power Toggle
FE 03 08 10 01 1C	Power Off	Power Off
FE 03 08 10 02 1D	Power On	Power On
FE 03 08 10 03 1E	Phono	Listen Phono
FE 03 08 10 04 1F	CD	Listen CD
FE 03 08 10 05 20	Tuner	Listen Tuner
FE 03 08 10 06 21	Aux 1	Listen Aux 1
FE 03 08 10 07 22	Aux 2	Listen Aux 2
FE 03 08 10 08 23	Aux 3	Listen Aux 3
FE 03 08 10 09 24	Tape 1	Listen Tape 1
FE 03 08 10 0A 25	Tape 2	Listen Tape 2
FE 03 08 10 0B 26	Record Phono	Record Phono
FE 03 08 10 0C 27	Record CD	Record CD
FE 03 08 10 0D 28	Record Tuner	Record Tuner
FE 03 08 10 0E 29	Record Aux 1	Record Aux 1
FE 03 08 10 0F 2A	Record Aux 2	Record Aux 2
FE 03 08 10 10 2B	Record Aux 3	Record Aux 3
FE 03 08 10 11 2C	Record Tape 1	Record Tape 1
FE 03 08 10 12 2D	Record Off	Record Off
FE 03 08 10 13 2E	Vol+	Volume Up
FE 03 08 10 14 2F	Vol-	Volume Down
FE 03 08 10 15 30	Mute	Mute Toggle
FE 03 08 10 1A 35	Record Function	Record Function Select
FE 03 08 10 1B 36	Bypass Input	Theater Bypass Toggle
FE 03 08 10 1C 37	Bypass On	Theater Bypass On
FE 03 08 10 1D 38	Bypass Off	Theater Bypass Off