

RCC 1055

1 Byte waveform format

For units BEFORE serial # 077-7121001 (Black) or 977-7121001 (Silver):

Baud Rate	Parity	bits	value	Handshakin	Data type
2400	n	8	1	none	string

1. RCC1055 -> PC

Start	Count	ID	Type	Data													Chk
0xfe	0x0e	0xb0	0x20	Flag1	Flag2	Flag3	Flag4	Flag5	char1	char2	char3	char4	char5	char6	char7	xx	

char1-7: ASCII characters

char1: DISC char4,5: MIN

char2,3: TRACK char6,7: SEC

	Flag1	Flag2	Flag3	Flag4	Flag5
Bit0		9	REMAIN	RANDOM	5/
Bit1	16	8	1	PROGRAM	4/
Bit2	15	7		INTRO	3/
Bit3	14	6	REPT-DISC	:	2/
Bit4	13	5	REPT-1	DISC	1/
Bit5	12	4	REPT-ALL	TRACK	PLAY
Bit6	11	3	REPEAT	MIN	PAUSE
Bit7	10	2		SEC	DISPLY OFF

2. PC -> RCC1055

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xb0	0x10	xx	xx

key:		key:		key:	
0x00	Random	0x10	Open/Close	0x40	
0x01	Repeat	0x11	7	0x41	Disc Up
0x02	Time	0x12	0	0x42	Disc 1
0x03	Program	0x13	Play	0x43	Disc 2
0x04	Scan	0x14		0x44	Disc 3
0x05		0x15	8	0x45	Disc 4
0x06		0x16	+10	0x46	Disc 5
0x07	Review	0x17	9	0x47	FL On
0x08		0x18		0x48	FL Off
0x09	1	0x19	5	0x49	Standby On/Off
0x0a	Search <<	0x1a	Track >>	0x4a	Power On
0x0b	Pause	0x1b	6	0x4b	Power Off
0x0c		0x1c		0x4c	
0x0d	4	0x1d	2	0x4d	
0x0e	Track <<	0x1e	Search >>	0x4e	
0x0f	Stop	0x1f	3	0x4f	Release Key

For units AFTER serial # 077-7121001 (Black) or 977-7121001 (Silver):

Baud Rate	Parity	bits	value	Handshakin	Data type
9600	n	8	1	none	string

1. RCC1055 -> PC

Start	Count	ID	Type	Data														Chk
0xfe	0x10	0xb0	0x20	Flag1	Flag2	Flag3	Flag4	Flag5	Flag6	char1	char2	char3	char4	char5	char6	char7	char8	xx

char1-7: ASCII characters

char1: DISC

char2,3,4: TRACK

char5,6: MIN

char7,8: SEC

	Flag1	Flag2	Flag3	Flag4	Flag5	Flag6
Bit0	20	12	4	:	CD	PAUSE
Bit1	19	11	3	REMAIN	HDCD	INTRO
Bit2	18	10	2	EACH	MP3	PLAY
Bit3	17	9	1	TOTAL	1/	REP-ALL
Bit4	16	8		SEC	2/	REP-DISC
Bit5	15	7	RANDOM	MIN	3/	REP-1
Bit6	14	6		TRACK	4/	REPEAT
Bit7	13	5	PROGRAM	DISC	5/	DisplayOFF

2. PC -> RCC1055

Start	Count	ID	Type	Key	Chk
0xfe	0x03	0xb0	0x10	xx	xx

key:

0x00	Random
0x01	Repeat
0x02	Time
0x03	Program
0x04	Scan
0x05	
0x06	
0x07	Review
0x08	
0x09	1
0x0a	Search <<
0x0b	Pause
0x0c	
0x0d	4
0x0e	Track <<
0x0f	Stop

key:

0x10	Open/Close
0x11	7
0x12	0
0x13	Play
0x14	
0x15	8
0x16	+10
0x17	9
0x18	
0x19	5
0x1a	Track >>
0x1b	6
0x1c	
0x1d	2
0x1e	Search >>
0x1f	3

key:

0x40	
0x41	Disc Up
0x42	Disc 1
0x43	Disc 2
0x44	Disc 3
0x45	Disc 4
0x46	Disc 5
0x47	FL On
0x48	FL Off
0x49	Standby On/Off
0x4a	Power On
0x4b	Power Off
0x4c	
0x4d	
0x4e	
0x4f	Release Key

RCC 1055 RS232 Controller Command List

Table: RCC 1055 Waveform format expected:

- For units BEFORE serial # 077-7121001 (Black) or 977-7121001 (Silver):

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

- For units AFTER serial # 077-7121001 (Black) or 977-7121001 (Silver):

Baud Rate	Parity	Valid Data Bits	Stop Bit Value	Handshaking	Data Type
9600	N	8	1	None	String

Table: RCC 1055 expected format of a request by RS232 controller:

Start	Count	Device ID	Type	Key	Checksum
0xFE	0x03	0xB0	0x10	0xFF	0xFF

Table 1: Type 10 Primary Command List

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

RCC 1055 HEX	Command	Command Description
FE 03 B0 10 00 C3	Random	Random
FE 03 B0 10 01 C4	Repeat	Repeat
FE 03 B0 10 02 C5	Time	Time
FE 03 B0 10 03 C6	Program	Program
FE 03 B0 10 04 C7	Scan	Scan
FE 03 B0 10 07 CA	Review	Review
FE 03 B0 10 09 CC	1	1
FE 03 B0 10 1D E0	2	2
FE 03 B0 10 1F E2	3	3
FE 03 B0 10 0D D0	4	4
FE 03 B0 10 19 DC	5	5
FE 03 B0 10 1B DE	6	6
FE 03 B0 10 11 D4	7	7
FE 03 B0 10 15 D8	8	8
FE 03 B0 10 17 DA	9	9
FE 03 B0 10 12 D5	10	10
FE 03 B0 10 16 D9	+10	+10
FE 03 B0 10 0A CD	Search <<	Search <<
FE 03 B0 10 0B CE	Pause	Pause
FE 03 B0 10 0E D1	Track <<	Track <<
FE 03 B0 10 0F D2	Stop	Stop
FE 03 B0 10 10 D3	Open / Close	Open / Close
FE 03 B0 10 13 D6	Play	Play
FE 03 B0 10 1A DD	Track >>	Track >>
FE 03 B0 10 1E E1	Search >>	Search >>

RCC 1055 HEX	Command	Command Description
FE 03 B0 10 41 04	Disc	Next Disc
FE 03 B0 10 42 05	Disc 1	Disc 1
FE 03 B0 10 43 06	Disc 2	Disc 2
FE 03 B0 10 44 07	Disc 3	Disc 3
FE 03 B0 10 45 08	Disc 4	Disc 4
FE 03 B0 10 46 09	Disc 5	Disc 5
FE 03 B0 10 47 0A	FL Display On	Front Display On
FE 03 B0 10 48 0B	FL Display Off	Front Display Off
FE 03 B0 10 49 0C	Power Toggle	Power Toggle
FE 03 B0 10 4A 0D	Power On	Power On
FE 03 B0 10 4B 0E	Power Off	Power Off
FE 03 B0 10 4F 12	Release Key	Release Key