

TR-8s / TR-6s Memory Overview

	A3	A2	A1	A0		
Unknown	00	01	00	00	User Names 01-32? More research here	
System Data	00	03	xx	xx	Rx edit data, Tx edit data, etc	
General	01	xx	xx	xx	Current kit, current pattern, next pattern, Run status, beat, etc.	
Kit - General	10	##	00	xx	## is kit number 0 - 7F (1-128)	
Kit - Reverb	10	##	01	xx		
Kit - Delay	10	##	02	xx		
Kit - Instrument	10	##	1\$	xx	\$ is track	
					TR-6s	TR-8S
			_0		BD	BD
			_1		SD	SD
			_2		LT	LT
			_3		HC	MT
			_4		CH	HT
			_5		OH	RS
			_6			HC
			_7			CH
			_8			OH
			_9			CC
			_A			RC
Pattern	2#	##	xx	xx	20 00 pattern 0 20 10 pattern 1 2F 70 pattern 127 LSB is pattern # mod 8 x 10h (count 00-7F, not 1-128) MSB is pattern # / 8 + 20h	
Instrument	??				Haven't done work here	
					May be other sections for samples, etc.	
Special ?	50	xx	xx	xx	DT to 50 00 00 13 replies with SW version + additional data	

TR-8s / TR-6s Messages

Section	Item	Filter	MSB	M_h	M_l	LSB	Bytes	Note
			M08	M09	M0A	M0B		
▼ Message Format								
Message Format	Prefix	<input type="checkbox"/>				F0	1	
Message Format	Roland ID	<input type="checkbox"/>				41	1	Roland ID,
Message Format	Device ID	<input type="checkbox"/>				10	1	10-1F = 17-32
Message Format	Roland four byte model ID	<input type="checkbox"/>	00	00	00	##	4	8s - 45 6s - 6D
Message Format	Data Transmission or Data Request	<input type="checkbox"/>				##	1	12 - Data Transmission 11 - Data Request
Message Format	Data Address	<input type="checkbox"/>	A3	A2	A1	A0	4	Data address
Message Format	-- Data Transmission Only	<input type="checkbox"/>				Dn	1+	1 to 256 bytes
Message Format	-- Data Request Only	<input type="checkbox"/>	L3	L2	L1	L0	4	Length requested (always four bytes)
Message Format	Checksum	<input type="checkbox"/>				Cs	1	Includes all address and data bytes
Message Format	Suffix	<input type="checkbox"/>				F7	1	
▼ System								
System	Rx Edit Data	<input type="checkbox"/>	00	03	00	3B	1	Rekurs when editor active
System	Tx Edit Data	<input type="checkbox"/>	00	03	00	36	1	Rekurs when editor active
▼ General								
General	Kit	<input type="checkbox"/>	01	00	00	00	1	
General	Pattern	<input type="checkbox"/>	01	00	00	01	1	
General	Next pattern	<input type="checkbox"/>	01	00	00	02	1	
General	Beat	<input type="checkbox"/>	01	00	00	07	1	During run, 0-F
General	Run	<input type="checkbox"/>	01	00	00	08	1	Appears on run
General	Scatter	<input type="checkbox"/>	01	00	00	09	1	Appears on run
General	Button Action Flag ???	<input type="checkbox"/>	01	00	00	16	1	Appears on run & button action
General	Tempo	<input type="checkbox"/>	01	00	00	39	4	40-300 * 10 -> Rn
General	Count In / Out	<input type="checkbox"/>	01	00	00	3D	1	Appears on remote run or stop
▼ Kit								
Kit	Kit Name	<input type="checkbox"/>	10	##	00	00	16	## is kit number 0 - 7F (1-128)
Kit	Kit Level	<input type="checkbox"/>	10	##	00	10	1	-Inf to +10.0, non-linear
Kit	BD Color	<input type="checkbox"/>	10	##	00	42	1	
Kit	SD Color	<input type="checkbox"/>	10	##	00	43	1	
▼ Kit-Reverb								
Kit-Reverb	Type	<input type="checkbox"/>	10	##	01	00	1	
Kit-Reverb	Time	<input type="checkbox"/>	10	##	01	01	1	0-255
Kit-Reverb	Level	<input type="checkbox"/>	10	##	01	03	2	0 - 255
▼ Kit-Delay								
Kit-Delay	Level	<input type="checkbox"/>	10	##	02	02	2	
Kit-Delay	Reverb Send	<input type="checkbox"/>	10	##	02	1C	2	
▼ Kit - Instrument								
Kit - Instrument	Instrument	<input type="checkbox"/>	10	##	1@	00	4	@ is track, see mem map
Kit - Instrument	Tune	<input type="checkbox"/>	10	##	1@	04	2	-128 - + 127
Kit - Instrument	Decay	<input type="checkbox"/>	10	##	1@	06	2	0 - 255
Kit - Instrument	Inst Level	<input type="checkbox"/>	10	##	1@	08	2	0 - 255
Kit - Instrument	Inst Gain	<input type="checkbox"/>	10	##	1@	0A	2	Inf, -40 to +40 (max 0A0A)

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Section	Item	Filter	MSB	M_h	M_l	LSB	Bytes	Note
			M08	M09	M0A	M0B		
Kit - Instrument	Pan	<input type="checkbox"/>	10	##	1@	0C	2	L127 - R127
Kit - Instrument	Reverb Send	<input type="checkbox"/>	10	##	1@	0E	2	0-255
Kit - Instrument	Delay Send	<input type="checkbox"/>	10	##	1@	10	2	0-255
Kit - Instrument	LFO Dest	<input type="checkbox"/>	10	##	1@	13	1	
Kit - Instrument	LFO Depth	<input type="checkbox"/>	10	##	1@	14	2	
Kit - Instrument	Attack	<input type="checkbox"/>	10	##	1@	35	2	
▼ Pattern								
Pattern	Pattern Name	<input type="checkbox"/>	2x	xx	00	00	16	x xx see memory map
Pattern	Scale	<input type="checkbox"/>	2x	xx	00	16	1	0-3: 8(t), 16(t), 16, 32
Pattern	Shuffle	<input type="checkbox"/>	2x	xx	00	23	2	Centered on 08 08
Pattern	Tempo	<input type="checkbox"/>	2x	xx	00	39	4	
Pattern	Variation	<input type="checkbox"/>	2x	xx	00	41	2	0F 0F
Pattern	Last step A ...	<input type="checkbox"/>	2x	xx	00	43	1	0-F
Pattern	Last step H	<input type="checkbox"/>	2x	xx	00	4A	1	0-F
Pattern	Flam spacing	<input type="checkbox"/>	2x	xx	00	5B	1	
Pattern	Scatter Type	<input type="checkbox"/>	2x	xx	00	5C	1	
Pattern	Scatter Depth	<input type="checkbox"/>	2x	xx	00	5D	1	
Pattern	Auto fill	<input type="checkbox"/>	2x	xx	00	7E	1	0-1
Pattern	Fill cycle	<input type="checkbox"/>	2x	xx	00	7F	1	0-5 = 32, 16, 12, 8, 4, 2
Pattern	Fill pattern	<input type="checkbox"/>	2x	xx	01	00	1	0-9 = A-H, 1, 2
Pattern	Last step 1	<input type="checkbox"/>	2x	xx	01	01	1	0-F
Pattern	Last step 2	<input type="checkbox"/>	2x	xx	01	02	1	0-F
▼ Other								
Other		<input type="checkbox"/>	50	00	00	13		Initial editor connect Version, add'l data, 8 bytes
Other		<input type="checkbox"/>	50	00	00	15	1	Initial editor connect
▼ (blank)								