

Sync / Trigger / Timebase cheat sheet : Roland Family

Musical Interval / Trigger		Aira SBX-1 code	Clock Ticks per Interval				
			TIMEBASE				
	PPQN	L-r : {C A b}	24 PPQN	48 PPQN	96 PPQN	120 PPQN	480 PPQN
* 64 th triplet	24		1	2	4	5	20
64 th note	16		1.5	3	6	7.5	30
* 32 nd triplet	12		2	4	8	10	40
# 32 nd note	8	32n	3	6	12	15	60
# 16 th triplet	6	16t	4	8	16	20	80
16 th quintuplet	5		4.8	9.6	19.2	24	96
# ^ * 16 th note	4	16n	6	12	24	30	120
# ^ * 8 th triplet	3	8t	8	16	32	40	160
dotted 16 th note	2 2/3		9	18	36	45	180
8 th quintuplet	2 1/2		9.6	19.2	38.4	48	192
# ^ * 8 th note	2	8n	12	24	48	60	240
# 4 th triplet	1 1/2	4t	16	32	64	80	320
# dotted 8 th note	1 1/3	d8n	18	36	72	90	360
# ^ * 4 th note	1	4n	24	48	96	120	480
dotted 4 th note	2/3		36	72	144	180	720
% half note	1/2	4n-2	48	96	192	240	960
% whole note	1/4	4n-4	96	192	384	480	1920
% two notes	1/8	4n-8	192	384	768	960	3840
			* @	* @	* @	* @	
			DIN Sync 24	DIN Sync 48	Internal Sequencer Timebase		
			MIDI		MC-500	MSQ-700	MC-909
			USB			SBX-10 / 80	

Trigger Outputs available on:

#	Roland SBX-1	TrG : Trigger Note (CV / GATE / AUX)	TTL levels
^	Roland MPU-101 (Four GATES : MIDI-Trigger Interface Mode : <i>see page 34 of manual</i>)		0, +5V
*	Roland SBX-80 (Timebase OUT)		0, +15V
@	Roland SBX-10 (Timebase IN/OUT)		0, +5V

% Green = Aira SBX-1 zone L-r : LF0 Rate (CV / AUX / BEND)

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