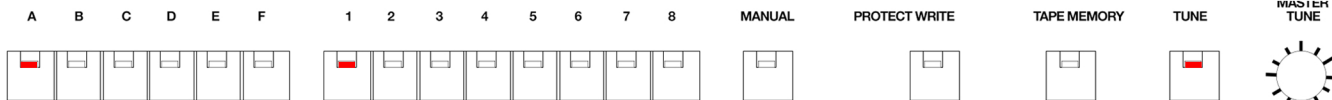


SETTINGS CHEAT SHEET



MIDI CHANNEL

HOLD TUNE, PRESS BANK A OR B, SELECT CHANNEL

SETTINGS

HOLD TUNE, PRESS BANK E
THIS DISPLAYS THE CURRENT SETTINGS

1. MOD CC ASSIGN BIT 1
2. MOD CC ASSIGN BIT 2
3. MOD CC ASSIGN BIT 3

BIT 1	BIT 2	BIT 3	MOD WHEEL CC
LED OFF	LED OFF	LED OFF	VCO MOD - LFO1 AMT
LED ON	LED OFF	LED OFF	VCF CUT - LFO 1 AMT
LED OFF	LED ON	LED OFF	VCA MOD - LFO1 AMT
LED ON	LED ON	LED OFF	LFO1 RATE
LED OFF	LED OFF	LED ON	XMOD AMT
LED ON	LED OFF	LED ON	PULSE WIDTH
LED OFF	LED ON	LED ON	VCF CUTOFF
LED ON	LED ON	LED ON	VCF RESONANCE

4. MIDI ARP CLOCK ON/OFF

ARP RATE	CC61
ARP RATE POT	1. WHOLE
	2. 1/2
	3. 1/4
	4. 1/8
	5. 1/16

5. START / STOP MESSAGES ON/OFF
6. PATCHES & PRESETS LOAD FROM EPROM
7. FORCE LOAD PATCHES FROM SRAM
8. ENABLE ALL NOTES OFF MESSAGE

MIDI CC

FUNCTION	CC	VALUES
MOD WHEEL	01	0-127 ASSIGNABLE
GLIDE TIME	05	..
VOLUME	07	..
SPLIT BALANCE	08	..
VCO1 TRIANGLE	20	.. 0-63-OFF 64-127-ON
VCO1 SAW	21	.. 0-63-OFF 64-127-ON
VCO1 PULSE	22	.. 0-63-OFF 64-127-ON
VCO1 SQUARE	23	.. 0-63-OFF 64-127-ON
VCO2 TRIANGLE	24	.. 0-63-OFF 64-127-ON
VCO2 SAW	25	.. 0-63-OFF 64-127-ON
VCO2 PULSE	26	.. 0-63-OFF 64-127-ON
VCO2 NOISE	27	.. 0-63-OFF 64-127-ON
BENDER	28	.. 0-63-OFF 64-127-ON
GLISSANDO	29	.. 0-63-OFF 64-127-ON
HOLD	30	.. 0-63-OFF 64-127-ON
LFO 1 RATE	32	..
LFO 1 DELAY	33	..
VCO MOD-LFO 1	34	..
VCO MOD-ENV 1	35	..
PULSE WIDTH	36	..
PWM AMOUNT	37	..
XMOD MANUAL	38	..
XMOD ENV 1	39	..
VCO 1 RANGE	40	..
VCO 2 RANGE	41	..
VCO 2 FINE	42	..
VCO MIXER	43	.. 0 = FULL VCO 1

FUNCTION	CC	VALUES
VCF FREQ	44	0-127
VCF RES	45	..
VCF MOD-ENV	46	..
VCF MOD-LFO 1	47	..
VCF TRACKING	48	..
VCA ENV 2 AMT	49	..
VCA LFO 1 MOD	50	..
ENV 1 ATTACK	51	..
ENV 1 DECAY	52	..
ENV 1 SUSTAIN	53	..
ENV 1 RELEASE	54	..
ENV 1 KFOLLOW	55	..
ENV 2 ATTACK	56	..
ENV 2 DECAY	57	..
ENV 2 SUSTAIN	58	..
ENV 2 RELEASE	59	..
ENV 2 FOLLOW	60	..
ARP RATE	61	.. WHEN MIDI CLK SELECTED 0 = FAST
GLIDE TIME	62	..
UNISON DETUNE	63	..
SUSTAIN PEDAL	64	.. 0-63 OFF, 64-127 ON
PORTAMENTO	65	.. 0-63 OFF, 64-127 ON
LFO 1 SHAPE	66	.. 0-31- TRI, 32-6 - SAW 64-95 - SQU, 96-127 - RNDM 0-63 - ENV1, 64-127- LFO1 0-31 - NONE, 32-63 - VCO1, 64-95 - VCO2, 96-127 - VCO1+2
PWM MOD	67	..
VCO MOD	68	..
VCO 1 WAVE	69	.. BIT 3: TRI ENABLED BIT 4: SAW ENABLED BIT 5: PULSE ENABLED BIT 6: SQ ENABLED
VCO 2 WAVE	70	.. BIT 3: TRI ENABLED BIT 4: SAW ENABLED BIT 5: PULSE ENABLED BIT 6: NOISE ENABLED
FILTER MODE	71	.. 0-31 - LPF, 32-63 - HPF, 64-127 - BPF
OSC SYNC	72	.. 0-31 - NONE, 0-63, 32-63 - VCO 2 SYNC TO 1 64-95 - VCO 1 SYNC TO 2 96-127 - BOTH SYNC TO THE OTHER
VCF ENV MOD	73	.. 0-63 - VCF MOD BY ENV 1 64-127 - VCF MOD BY ENV 2
VCF ENV 1 POL	74	.. 0-63 - POSITIVE , 64-127 - NEGATIVE
KEY ASSIGN	77	.. 0-15 - POLY1, 16-31 - POLY2 32-47 - UNISON, 48-63 - SOLO 64-127 - SOLO UNISON
MASTER TUNE	79	..
SPLIT BALANCE	80	.. 0: LOWER, 64 - EQUAL, 127 - UPPER
ARP MODE	84	.. 0-63 - OFF, 64-79 - UP, 80-95 - DOWN 96-111 - UP/DOWN, 112-127 - RNDM
ARP RANGE	85	.. 0-31 - 1 OCT, 32-63 - 2 OCT, 64-95 - 3 OCT, 96-127 - 4 OCT

SYSEX PATCH SAVE/LOAD

SAVE ALL PATCHES AND PATCH PRESETS

1. PRESS AND HOLD TUNE.
2. PRESS AND RELEASE WRITE.

LOAD DATA

1. TURN OFF MEMORY PROTECT
2. SEND SYSEX FILE TO MIDI IN.

TAPE FILES WORK AS BEFORE, HOWEVER, PRESET D8 WILL OVERWRITE THE SAVED MIDI CHANNEL AND USER PRESETS AND NEED TO BE RESET.