AMERICAN AUDIO
VMS4.1
DIGITAL WORK STATION
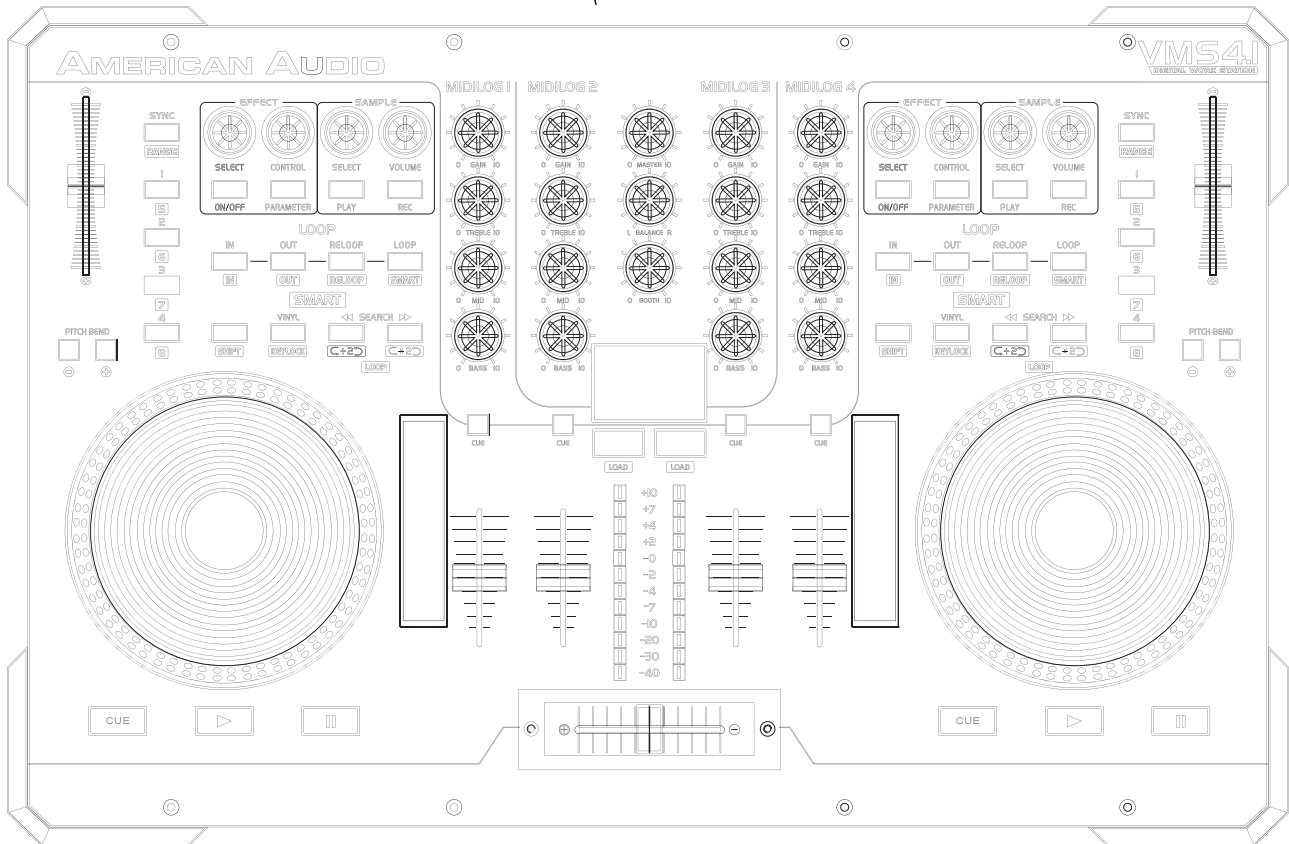### Featuring:

MIDI COMPLIANT

Sampling

seamless loop

QStart

inno FADER COMPATIBLE

BALANCED XLR OUTPUTS

POWER TOUCH jog wheel

User Guide
and Reference Manual

MIDI station MIDI interface definition

NOTE: all MIDI messages use channel 1, Directions OUT and IN are relative to the MIDI station
Control number is in decimal format
All rotary VRs start at the minimum in the leftmost position and increase to the maximum when turned clockwise
For touch sliders, MIDI value depends on the finger position the last time the slider was touched.

Description	Object	#		I/O	Values
CUE Left	Button	12	0	OUT	00H = released, 7FH = pressed
PLAY > Left	Button	13	0	OUT	00H = released, 7FH = pressed
PAUSE ‖ Left	Button	14	0	OUT	00H = released, 7FH = pressed
PITCH BEND - Left	Button	15	0	OUT	00H = released, 7FH = pressed
PITCH BEND + Left	Button	16	0	OUT	00H = released, 7FH = pressed
HOT CUE Left	Button	17	0	OUT	00H = released, 7FH = pressed
HOT START 1 Left	Button	18	0	OUT	00H = released, 7FH = pressed
HOT START 2 Left	Button	19	0	OUT	00H = released, 7FH = pressed
HOT START 3 Left	Button	20	0	OUT	00H = released, 7FH = pressed
HOT START 4 Left	Button	21	0	OUT	00H = released, 7FH = pressed
SYNC Left	Button	22	0	OUT	00H = released, 7FH = pressed
HOT START 5 Left	Button	23	0	OUT	00H = released, 7FH = pressed
HOT START 6 Left	Button	24	1	OUT	00H = released, 7FH = pressed
HOT START 7 Left	Button	25	1	OUT	00H = released, 7FH = pressed
HOT START 8 Left	Button	26	1	OUT	00H = released, 7FH = pressed
EFFECT ON/OFF Left	Button	27	1	OUT	00H = released, 7FH = pressed
EFFECT PARAMETER Left	Button	28	1	OUT	00H = released, 7FH = pressed
SAMPLE PLAY Left	Button	29	1	OUT	00H = released, 7FH = pressed
SAMPLE REC Left	Button	30	1	OUT	00H = released, 7FH = pressed
LOOP 1 IN Left	Button	31	1	OUT	00H = released, 7FH = pressed
LOOP 1 OUT Left	Button	32	1	OUT	00H = released, 7FH = pressed
LOOP 1 RELOOP Left	Button	33	1	OUT	00H = released, 7FH = pressed
LOOP 1 TRACK Left	Button	34	1	OUT	00H = released, 7FH = pressed

LOOP 2 IN Left	Button	35	1	OUT	00H = released, 7FH = pressed
LOOP 2 OUT Left	Button	36	2	OUT	00H = released, 7FH = pressed
LOOP 2 RELOOP Left	Button	37	2	OUT	00H = released, 7FH = pressed
LOOP 2 TRACK Left	Button	38	2	OUT	00H = released, 7FH = pressed
VINYL Left	Button	39	2	OUT	00H = released, 7FH = pressed
SEARCH << Left	Button	40	2	OUT	00H = released, 7FH = pressed
SEARCH >> Left	Button	41	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 1	Button	42	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 2	Button	43	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 3	Button	44	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 4	Button	45	2	OUT	00H = released, 7FH = pressed
CUE Right	Button	46	2	OUT	00H = released, 7FH = pressed
PLAY > Right	Button	47	2	OUT	00H = released, 7FH = pressed
PAUSE ‖ Right	Button	48	3	OUT	00H = released, 7FH = pressed
PITCH BEND - Right	Button	49	3	OUT	00H = released, 7FH = pressed
PITCH BEND + Right	Button	50	3	OUT	00H = released, 7FH = pressed
HOT CUE Right	Button	51	3	OUT	00H = released, 7FH = pressed
HOT START 1 Right	Button	52	3	OUT	00H = released, 7FH = pressed
HOT START 2 Right	Button	53	3	OUT	00H = released, 7FH = pressed
HOT START 3 Right	Button	54	3	OUT	00H = released, 7FH = pressed
HOT START 4 Right	Button	55	3	OUT	00H = released, 7FH = pressed
SYNC Right	Button	56	3	OUT	00H = released, 7FH = pressed
HOT START 5 Right	Button	57	3	OUT	00H = released, 7FH = pressed
HOT START 6 Right	Button	58	3	OUT	00H = released, 7FH = pressed
HOT START 7 Right	Button	59	3	OUT	00H = released, 7FH = pressed
HOT START 8 Right	Button	60	4	OUT	00H = released, 7FH = pressed
EFFECT ON/OFF Right	Button	61	4	OUT	00H = released, 7FH = pressed
EFFECT PARAMETER Right	Button	62	4	OUT	00H = released, 7FH = pressed
SAMPLE PLAY Right	Button	63	4	OUT	00H = released, 7FH = pressed
SAMPLE REC Right	Button	64	4	OUT	00H = released, 7FH = pressed
LOOP 1 IN Right	Button	65	4	OUT	00H = released, 7FH = pressed

LOOP 1 OUT Right	Button	66	4	OUT	00H = released, 7FH = pressed
LOOP 1 RELOOP Right	Button	67	4	OUT	00H = released, 7FH = pressed
LOOP 1 TRACK Right	Button	68	4	OUT	00H = released, 7FH = pressed
LOOP 2 IN Right	Button	69	4	OUT	00H = released, 7FH = pressed
LOOP 2 OUT Right	Button	70	4	OUT	00H = released, 7FH = pressed
LOOP 2 RELOOP Right	Button	71	4	OUT	00H = released, 7FH = pressed
LOOP 2 TRACK Right	Button	72	5	OUT	00H = released, 7FH = pressed
VINYL Right	Button	73	5	OUT	00H = released, 7FH = pressed
SEARCH << Right	Button	74	5	OUT	00H = released, 7FH = pressed
SEARCH >> Right	Button	75	5	OUT	00H = released, 7FH = pressed
MIC 1 ON/OFF	Push on/push off sw	76	5	OUT	00H = released, 7FH = pressed
MIC 2 ON/OFF	Push on/push off sw	77	5	OUT	00H = released, 7FH = pressed
NORMAL / REVERSE XFADE	Slide switch	78	5	OUT	00H = NORMAL, 7FH = REVERSE
SCRATCH WHEEL Left touch	touch sensor	79	5	OUT	00H = no touch, 7FH = touch
SCRATCH WHEEL Right touch	touch sensor	80	5	OUT	00H = no touch, 7FH = touch
PITCH center click Left	VR center click	81	5	OUT	00H = no click, 7FH = click
PITCH center click Right	VR center click	82	5	OUT	00H = no click, 7FH = click
EFFECT SELECT Left	encoder click	83	5	OUT	00H = no click, 7FH = click
SAMPLE SELECT Left	encoder click	84	6	OUT	00H = no click, 7FH = click
EFFECT SELECT Right	encoder click	85	6	OUT	00H = no click, 7FH = click
SAMPLE SELECT Right	encoder click	86	6	OUT	00H = no click, 7FH = click
TOUCH SLIDER left touch	touch sensor	87	6	OUT	00H = no touch, 7FH = touch
TOUCH SLIDER right touch	touch sensor	88	6	OUT	00H = no touch, 7FH = touch
USB / ANALOG 1	Slide switch	89	6	OUT	00H = USB, 7FH = ANALOG
USB / ANALOG 2	Slide switch	90	6	OUT	00H = USB, 7FH = ANALOG
USB / ANALOG 3	Slide switch	91	6	OUT	00H = USB, 7FH = ANALOG
USB / ANALOG 4	Slide switch	92	6	OUT	00H = USB, 7FH = ANALOG
XF ASSIGN 1 Left	Rotary Select	93	6	OUT	00H = no assign, 7FH = assign
XF ASSIGN 2 Left	Rotary Select	94	6	OUT	00H = no assign, 7FH = assign
XF ASSIGN 3 Left	Rotary Select	95	6	OUT	00H = no assign, 7FH = assign
XF ASSIGN 4 Left	Rotary Select	96	7	OUT	00H = no assign, 7FH = assign

XF ASSIGN 1 Right	Rotary Select	97	7	OUT	00H = no assign, 7FH = assign
XF ASSIGN 2 Right	Rotary Select	98	7	OUT	00H = no assign, 7FH = assign
XF ASSIGN 3 Right	Rotary Select	99	7	OUT	00H = no assign, 7FH = assign
XF ASSIGN 4 Right	Rotary Select	100	7	OUT	00H = no assign, 7FH = assign
CUE Left	Button	12	0	OUT	00H = released, 7FH = pressed
PLAY > Left	Button	13	0	OUT	00H = released, 7FH = pressed
PAUSE ‖ Left	Button	14	0	OUT	00H = released, 7FH = pressed
PITCH BEND - Left	Button	15	0	OUT	00H = released, 7FH = pressed
PITCH BEND + Left	Button	16	0	OUT	00H = released, 7FH = pressed
EFFECT ON/OFF Left	Button	27	1	OUT	00H = released, 7FH = pressed
EFFECT PARAMETER Left	Button	28	1	OUT	00H = released, 7FH = pressed
SAMPLE PLAY Left	Button	29	1	OUT	00H = released, 7FH = pressed
SAMPLE REC Left	Button	30	1	OUT	00H = released, 7FH = pressed
VINYL Left	Button	39	2	OUT	00H = released, 7FH = pressed
SEARCH << Left	Button	40	2	OUT	00H = released, 7FH = pressed
SEARCH >> Left	Button	41	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 1	Button	42	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 2	Button	43	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 3	Button	44	2	OUT	00H = released, 7FH = pressed
CUE MIDILOG 4	Button	45	2	OUT	00H = released, 7FH = pressed
CUE Right	Button	46	2	OUT	00H = released, 7FH = pressed
PLAY > Right	Button	47	2	OUT	00H = released, 7FH = pressed
PAUSE ‖ Right	Button	48	3	OUT	00H = released, 7FH = pressed
PITCH BEND - Right	Button	49	3	OUT	00H = released, 7FH = pressed
PITCH BEND + Right	Button	50	3	OUT	00H = released, 7FH = pressed
EFFECT ON/OFF Right	Button	61	4	OUT	00H = released, 7FH = pressed
EFFECT PARAMETER Right	Button	62	4	OUT	00H = released, 7FH = pressed
SAMPLE PLAY Right	Button	63	4	OUT	00H = released, 7FH = pressed
SAMPLE REC Right	Button	64	4	OUT	00H = released, 7FH = pressed
VINYL Right	Button	73	5	OUT	00H = released, 7FH = pressed
SEARCH << Right	Button	74	5	OUT	00H = released, 7FH = pressed

SEARCH >> Right	Button	75	5	OUT	00H = released, 7FH = pressed
MIC 1 ON/OFF	Push on/push off sw	76	5	OUT	00H = released, 7FH = pressed
MIC 2 ON/OFF	Push on/push off sw	77	5	OUT	00H = released, 7FH = pressed
NORMAL / REVERSE XFADE	Slide switch	78	5	OUT	00H = NORMAL, 7FH = REVERSE
SCRATCH WHEEL Left touch	touch sensor	79	5	OUT	00H = no touch, 7FH = touch
SCRATCH WHEEL Right touch	touch sensor	80	5	OUT	00H = no touch, 7FH = touch
PITCH center click Left	VR center click	81	5	OUT	00H = no click, 7FH = click
PITCH center click Right	VR center click	82	5	OUT	00H = no click, 7FH = click
EFFECT SELECT Left	encoder click	83	5	OUT	00H = no click, 7FH = click
SAMPLE SELECT Left	encoder click	84	6	OUT	00H = no click, 7FH = click
EFFECT SELECT Right	encoder click	85	6	OUT	00H = no click, 7FH = click
SAMPLE SELECT Right	encoder click	86	6	OUT	00H = no click, 7FH = click
TOUCH SLIDER left touch	touch sensor	87	6	OUT	00H = no touch, 7FH = touch
TOUCH SLIDER right touch	touch sensor	88	6	OUT	00H = no touch, 7FH = touch
USB / ANALOG 1	Slide switch	89	6	OUT	00H = USB, 7FH = ANALOG
USB / ANALOG 2	Slide switch	90	6	OUT	00H = USB, 7FH = ANALOG
USB / ANALOG 3	Slide switch	91	6	OUT	00H = USB, 7FH = ANALOG
USB / ANALOG 4	Slide switch	92	6	OUT	00H = USB, 7FH = ANALOG
XF ASSIGN 1 Left	Rotary Select	93	6	OUT	00H = no assign, 7FH = assign
XF ASSIGN 2 Left	Rotary Select	94	6	OUT	00H = no assign, 7FH = assign
XF ASSIGN 3 Left	Rotary Select	95	6	OUT	00H = no assign, 7FH = assign
XF ASSIGN 4 Left	Rotary Select	96	7	OUT	00H = no assign, 7FH = assign
XF ASSIGN 1 Right	Rotary Select	97	7	OUT	00H = no assign, 7FH = assign
XF ASSIGN 2 Right	Rotary Select	98	7	OUT	00H = no assign, 7FH = assign
XF ASSIGN 3 Right	Rotary Select	99	7	OUT	00H = no assign, 7FH = assign
XF ASSIGN 4 Right	Rotary Select	100	7	OUT	00H = no assign, 7FH = assign
LOAD Left	touch button	101	7	OUT	00H = no touch, 7FH = touch
LOAD Right	touch button	102	7	OUT	00H = no touch, 7FH = touch
MIDILOG 1 GAIN	Rotary VR	0		OUT	00H min to 7FH max
MIDILOG 1 TREBLE	Rotary VR	1		OUT	00H min to 7FH max
MIDILOG 1 MID	Rotary VR	2		OUT	00H min to 7FH max

MIDILOG 1 BASS	Rotary VR	3	OUT	00H min to 7FH max
MIDILOG 1 LINE	Slide VR	4	OUT	00H min bottom to 7FH max top
MIDILOG 2 GAIN	Rotary VR	5	OUT	00H min to 7FH max
MIDILOG 2 TREBLE	Rotary VR	6	OUT	00H min to 7FH max
MIDILOG 2 MID	Rotary VR	7	OUT	00H min to 7FH max
MIDILOG 2 BASS	Rotary VR	8	OUT	00H min to 7FH max
MIDILOG 2 LINE	Slide VR	9	OUT	00H min bottom to 7FH max top
MIDILOG 3 GAIN	Rotary VR	10	OUT	00H min to 7FH max
MIDILOG 3 TREBLE	Rotary VR	11	OUT	00H min to 7FH max
MIDILOG 3 MID	Rotary VR	12	OUT	00H min to 7FH max
MIDILOG 3 BASS	Rotary VR	13	OUT	00H min to 7FH max
MIDILOG 3 LINE	Slide VR	14	OUT	00H min bottom to 7FH max top
MIDILOG 4 GAIN	Rotary VR	15	OUT	00H min to 7FH max
MIDILOG 4 TREBLE	Rotary VR	16	OUT	00H min to 7FH max
MIDILOG 4 MID	Rotary VR	17	OUT	00H min to 7FH max
MIDILOG 4 BASS	Rotary VR	18	OUT	00H min to 7FH max
MIDILOG 4 LINE	Slide VR	19	OUT	00H min bottom to 7FH max top
MIC 1 GAIN	Rotary VR	20	OUT	00H min to 7FH max
MIC 1 TREBLE	Rotary VR	21	OUT	00H min to 7FH max
MIC 1 MID	Rotary VR	22	OUT	00H min to 7FH max
MIC 1 BASS	Rotary VR	23	OUT	00H min to 7FH max
MIC 2 GAIN	Rotary VR	24	OUT	00H min to 7FH max
MIC 2 TREBLE	Rotary VR	25	OUT	00H min to 7FH max
MIC 2 MID	Rotary VR	26	OUT	00H min to 7FH max
MIC 2 BASS	Rotary VR	27	OUT	00H min to 7FH max
MASTER	Rotary VR	28	OUT	00H min to 7FH max
BALANCE	Rotary VR	29	OUT	00H min to 7FH max
BOOTH	Rotary VR	30	OUT	00H min to 7FH max
CROSSFADER	Slide VR	31	OUT	00H min left to 7FH max right
CROSSFADER REVERSED	Slide VR	32	OUT	00H min right to 7FH max left
CROSSFADER CURVE	Rotary VR	33	OUT	00H min to 7FH max

CUE MIX	Rotary VR	34	OUT	00H min (cue) to 7FH max (master)
CUE GAIN	Rotary VR	35	OUT	00H min to 7FH max
EFFECT SELECT Left	Rotary Encoder	36	OUT	00H to 7FH clockwise with wraparound
EFFECT CONTROL Left	Rotary VR	37	OUT	00H min to 7FH max
SAMPLE SELECT Left	Rotary Encoder	38	OUT	00H to 7FH clockwise with wraparound
SAMPLE VOLUME Left	Rotary VR	39	OUT	00H min to 7FH max
TOUCH SLIDER Left	touch slider	40	OUT	00H min bottom to 7FH max top
EFFECT SELECT Right	Rotary Encoder	41	OUT	00H to 7FH clockwise with wraparound
EFFECT CONTROL Right	Rotary VR	42	OUT	00H min to 7FH max
SAMPLE SELECT Right	Rotary Encoder	43	OUT	00H to 7FH clockwise with wraparound
SAMPLE VOLUME Right	Rotary VR	44	OUT	00H min to 7FH max
TOUCH SLIDER Right	touch slider	45	OUT	00H min bottom to 7FH max top
SCRATCH WHEEL Left	Scratch wheel	48,49	OUT	00H to 7FH clockwise with wraparound
SCRATCH WHEEL Right	Scratch wheel	50,51	OUT	00H to 7FH clockwise with wraparound
PITCH SLIDER Left	Slide VR	N/A	OUT	00H,00H min top to 7FH,7FH max bottom
PITCH SLIDER Right	Slide VR	N/A	OUT	00H,00H min top to 7FH,7FH max bottom
MIDILOG 1 GAIN	Rotary VR	0	OUT	00H min to 7FH max
MIDILOG 1 TREBLE	Rotary VR	1	OUT	00H min to 7FH max
MIDILOG 1 MID	Rotary VR	2	OUT	00H min to 7FH max
MIDILOG 1 BASS	Rotary VR	3	OUT	00H min to 7FH max
MIDILOG 1 LINE	Slide VR	4	OUT	00H min bottom to 7FH max top
MIDILOG 2 GAIN	Rotary VR	5	OUT	00H min to 7FH max
MIDILOG 2 TREBLE	Rotary VR	6	OUT	00H min to 7FH max
MIDILOG 2 MID	Rotary VR	7	OUT	00H min to 7FH max
MIDILOG 2 BASS	Rotary VR	8	OUT	00H min to 7FH max
MIDILOG 2 LINE	Slide VR	9	OUT	00H min bottom to 7FH max top
MIDILOG 3 GAIN	Rotary VR	10	OUT	00H min to 7FH max
MIDILOG 3 TREBLE	Rotary VR	11	OUT	00H min to 7FH max
MIDILOG 3 MID	Rotary VR	12	OUT	00H min to 7FH max
MIDILOG 3 BASS	Rotary VR	13	OUT	00H min to 7FH max
MIDILOG 3 LINE	Slide VR	14	OUT	00H min bottom to 7FH max top

MIDILOG 4 GAIN	Rotary VR	15	OUT	00H min to 7FH max
MIDILOG 4 TREBLE	Rotary VR	16	OUT	00H min to 7FH max
MIDILOG 4 MID	Rotary VR	17	OUT	00H min to 7FH max
MIDILOG 4 BASS	Rotary VR	18	OUT	00H min to 7FH max
MIDILOG 4 LINE	Slide VR	19	OUT	00H min bottom to 7FH max top
MIC 1 GAIN	Rotary VR	20	OUT	00H min to 7FH max
MIC 1 TREBLE	Rotary VR	21	OUT	00H min to 7FH max
MIC 1 MID	Rotary VR	22	OUT	00H min to 7FH max
MIC 1 BASS	Rotary VR	23	OUT	00H min to 7FH max
MIC 2 GAIN	Rotary VR	24	OUT	00H min to 7FH max
MIC 2 TREBLE	Rotary VR	25	OUT	00H min to 7FH max
MIC 2 MID	Rotary VR	26	OUT	00H min to 7FH max
MIC 2 BASS	Rotary VR	27	OUT	00H min to 7FH max
MASTER	Rotary VR	28	OUT	00H min to 7FH max
BALANCE	Rotary VR	29	OUT	00H min to 7FH max
BOOTH	Rotary VR	30	OUT	00H min to 7FH max
CROSSFADER	Slide VR	31	OUT	00H min left to 7FH max right
CROSSFADER REVERSED	Slide VR	32	OUT	00H min right to 7FH max left
CROSSFADER CURVE	Rotary VR	33	OUT	00H min to 7FH max
CUE MIX	Rotary VR	34	OUT	00H min (cue) to 7FH max (master)
CUE GAIN	Rotary VR	35	OUT	00H min to 7FH max
EFFECT SELECT Left	Rotary Encoder	36	OUT	00H to 7FH clockwise with wraparound
EFFECT CONTROL Left	Rotary VR	37	OUT	00H min to 7FH max
SAMPLE SELECT Left	Rotary Encoder	38	OUT	00H to 7FH clockwise with wraparound
SAMPLE VOLUME Left	Rotary VR	39	OUT	00H min to 7FH max
TOUCH SLIDER Left	touch slider	40	OUT	00H min bottom to 7FH max top
EFFECT SELECT Right	Rotary Encoder	41	OUT	00H to 7FH clockwise with wraparound
EFFECT CONTROL Right	Rotary VR	42	OUT	00H min to 7FH max
SAMPLE SELECT Right	Rotary Encoder	43	OUT	00H to 7FH clockwise with wraparound
SAMPLE VOLUME Right	Rotary VR	44	OUT	00H min to 7FH max
TOUCH SLIDER Right	touch slider	45	OUT	00H min bottom to 7FH max top

Touch pad X	touch slider	46		OUT	00H to 7FH left->right with wraparound
Touch pad Y	touch slider	47		OUT	00H to 7FH top->bottom with wraparound
SCRATCH WHEEL Left	Scratch wheel	48,49		OUT	00H,00H to 7FH,7FH clockwise with wrap
SCRATCH WHEEL Right	Scratch wheel	50,51		OUT	00H,00H to 7FH,7FH clockwise with wrap
PITCH SLIDER Left	Slide VR	N/A		OUT	00H,00H min top to 7FH,7FH max bottom
PITCH SLIDER Right	Slide VR	N/A		OUT	00H,00H min top to 7FH,7FH max bottom
CUE Left	LED	12	0	IN	00H = off, 7FH = on
PLAY > Left	LED	13	0	IN	00H = off, 7FH = on
PAUSE ‖ Left	LED	14	0	IN	00H = off, 7FH = on
PITCH BEND - Left	LED	15	0	IN	00H = off, 7FH = on
PITCH BEND + Left	LED	16	0	IN	00H = off, 7FH = on
HOT CUE Left	LED	17	0	IN	00H = off, 7FH = on
HOT START 1 Left	LED	18	0	IN	00H = off, 7FH = on
HOT START 2 Left	LED	19	0	IN	00H = off, 7FH = on
HOT START 3 Left	LED	20	0	IN	00H = off, 7FH = on
HOT START 4 Left	LED	21	0	IN	00H = off, 7FH = on
SYNC Left	LED	22	0	IN	00H = off, 7FH = on
HOT START 5 Left	LED	23	0	IN	00H = off, 7FH = on
HOT START 6 Left	LED	24	1	IN	00H = off, 7FH = on
HOT START 7 Left	LED	25	1	IN	00H = off, 7FH = on
HOT START 8 Left	LED	26	1	IN	00H = off, 7FH = on
EFFECT ON/OFF Left	LED	27	1	IN	00H = off, 7FH = on
EFFECT PARAMETER Left	LED	28	1	IN	00H = off, 7FH = on
SAMPLE PLAY Left	LED	29	1	IN	00H = off, 7FH = on
SAMPLE REC Left	LED	30	1	IN	00H = off, 7FH = on
LOOP 1 IN Left	LED	31	1	IN	00H = off, 7FH = on
LOOP 1 OUT Left	LED	32	1	IN	00H = off, 7FH = on
LOOP 1 RELOOP Left	LED	33	1	IN	00H = off, 7FH = on
LOOP 1 TRACK Left	LED	34	1	IN	00H = off, 7FH = on
LOOP 2 IN Left	LED	35	1	IN	00H = off, 7FH = on
LOOP 2 OUT Left	LED	36	2	IN	00H = off, 7FH = on

LOOP 2 RELOOP Left	LED	37	2	IN	00H = off, 7FH = on
LOOP 2 TRACK Left	LED	38	2	IN	00H = off, 7FH = on
VINYL Left	LED	39	2	IN	00H = off, 7FH = on
SEARCH << Left	LED	40	2	IN	00H = off, 7FH = on
SEARCH >> Left	LED	41	2	IN	00H = off, 7FH = on
CUE MIDILOG 1	LED	42	2	IN	00H = off, 7FH = on
CUE MIDILOG 2	LED	43	2	IN	00H = off, 7FH = on
CUE MIDILOG 3	LED	44	2	IN	00H = off, 7FH = on
CUE MIDILOG 4	LED	45	2	IN	00H = off, 7FH = on
CUE Right	LED	46	2	IN	00H = off, 7FH = on
PLAY > Right	LED	47	2	IN	00H = off, 7FH = on
PAUSE ‖ Right	LED	48	3	IN	00H = off, 7FH = on
PITCH BEND - Right	LED	49	3	IN	00H = off, 7FH = on
PITCH BEND + Right	LED	50	3	IN	00H = off, 7FH = on
HOT CUE Right	LED	51	3	IN	00H = off, 7FH = on
HOT START 1 Right	LED	52	3	IN	00H = off, 7FH = on
HOT START 2 Right	LED	53	3	IN	00H = off, 7FH = on
HOT START 3 Right	LED	54	3	IN	00H = off, 7FH = on
HOT START 4 Right	LED	55	3	IN	00H = off, 7FH = on
SYNC Right	LED	56	3	IN	00H = off, 7FH = on
HOT START 5 Right	LED	57	3	IN	00H = off, 7FH = on
HOT START 6 Right	LED	58	3	IN	00H = off, 7FH = on
HOT START 7 Right	LED	59	3	IN	00H = off, 7FH = on
HOT START 8 Right	LED	60	4	IN	00H = off, 7FH = on
EFFECT ON/OFF Right	LED	61	4	IN	00H = off, 7FH = on
EFFECT PARAMETER Right	LED	62	4	IN	00H = off, 7FH = on
SAMPLE PLAY Right	LED	63	4	IN	00H = off, 7FH = on
SAMPLE REC Right	LED	64	4	IN	00H = off, 7FH = on
LOOP 1 IN Right	LED	65	4	IN	00H = off, 7FH = on
LOOP 1 OUT Right	LED	66	4	IN	00H = off, 7FH = on
LOOP 1 RELOOP Right	LED	67	4	IN	00H = off, 7FH = on

LOOP 1 TRACK Right	LED	68	4	IN	00H = off, 7FH = on
LOOP 2 IN Right	LED	69	4	IN	00H = off, 7FH = on
LOOP 2 OUT Right	LED	70	4	IN	00H = off, 7FH = on
LOOP 2 RELOOP Right	LED	71	4	IN	00H = off, 7FH = on
LOOP 2 TRACK Right	LED	72	5	IN	00H = off, 7FH = on
VINYL Right	LED	73	5	IN	00H = off, 7FH = on
SEARCH << Right	LED	74	5	IN	00H = off, 7FH = on
SEARCH >> Right	LED	75	5	IN	00H = off, 7FH = on
MIC 1 ON/OFF	LED	76	5	IN	00H = off, 7FH = on
MIC 2 ON/OFF	LED	77	5	IN	00H = off, 7FH = on