

## DARK FIRE MIDI CHART

MIDI SEND									
CONTROL ELEMENT		NORMAL MODE				SHIFT MODE			
		BANK 1	BANK 2	BANK 3	BANK 4	BANK 1	BANK 2	BANK 3	BANK 4
MIDI Channel (top button)		<b>01</b>	02	03	04	61	62	63	64
Left Encoder	Push	<b>CC 10</b>	CC 11	CC 12	CC 13	CC 70	CC 71	CC 72	CC 73
	Rotate	<b>CC 14</b>	CC 15	CC 16	CC 17	CC 74	CC 75	CC 76	CC 77
Right Encoder	Push	<b>CC 18</b>	CC 19	CC 20	CC 21	CC 78	CC 79	CC 80	CC 81
	Rotate	<b>CC 22</b>	CC 23	CC 24	CC 25	CC 82	CC 83	CC 84	CC 85
PAD 1 Left		<b>05</b>	06	07	08	65	66	67	68
PAD 2 Left		<b>09</b>	10	11	12	69	70	71	72
PAD 3 Left		<b>13</b>	14	15	16	73	74	75	76
PAD 4 Left		<b>17</b>	18	19	20	77	78	79	80
PAD 1 Right		<b>21</b>	22	23	24	81	82	83	84
PAD 2 Right		<b>25</b>	26	27	28	85	86	87	88
PAD 3 Right		<b>29</b>	30	31	32	89	90	91	92
PAD 4 Right		<b>33</b>	34	35	36	93	94	95	96
Center knob		<b>37</b>	38	39	40	97	98	99	100
PAD 5 Left		<b>41</b>	42	43	44	101	102	103	104
PAD 5 Right		<b>45</b>	46	47	48	105	106	107	108
SHIFT (bottom left button)		<b>49</b>	50	51	52	49	50	51	52
Mid (bottom mid)		<b>53</b>	54	55	56	113	114	115	116
BANK (bottom right button)		<b>57</b>				117			

- Buttons and PAD's send Notes (NoteOn 0x9 message, value 127/0), Encoder send CC (Control Change 0xB)
- 3 buttons (MIDI Channel, SHIFT, BANK) are highly customizable (via Power-On Configuration Setup), MIDI Channel, SHIFT and BANK 2-4 are optional, can be enabled or disabled in Setup (defaults: **bold**)
- SEND Enhancements to address DJ application specific features:
  - Supporting DJ application SHIFT: Mid (bottom) control sends Note 123 (127/0) in ALL layers
  - Pad Mode Toggle: BANK or MIDI Channel change send Note 124 (127/0) in BANK1, Note 125 in BANK2

MIDI RECEIVE (LED)										
CONTROL ELEMENT		LED	NORMAL MODE				SHIFT MODE			
			BANK 1	BANK 2	BANK 3	BANK 4	BANK 1	BANK 2	BANK 3	BANK 4
MIDI Channel		green/red	<b>01</b>	02	03	04	61	62	63	64
Encoder (upper LED)		orange	<b>CC 10</b>	CC 11	CC 12	CC 13	CC 70	CC 71	CC 72	CC 73
Encoder (lower LED)		blue	<b>CC 18</b>	CC 19	CC 20	CC 21	CC 78	CC 79	CC 80	CC 81
PAD 1 Left		RGB	<b>05</b>	06	07	08	65	66	67	68
PAD 2 Left		RGB	<b>09</b>	10	11	12	69	70	71	72
PAD 3 Left		RGB	<b>13</b>	14	15	16	73	74	75	76
PAD 4 Left		RGB	<b>17</b>	18	19	20	77	78	79	80
PAD 1 Right		RGB	<b>21</b>	22	23	24	81	82	83	84
PAD 2 Right		RGB	<b>25</b>	26	27	28	85	86	87	88
PAD 3 Right		RGB	<b>29</b>	30	31	32	89	90	91	92
PAD 4 Right		RGB	<b>33</b>	34	35	36	93	94	95	96
Center knob		green/yellow	<b>37</b>	38	39	40	97	98	99	100
PAD 5 Left		RGB	<b>41</b>	42	43	44	101	102	103	104
PAD 5 Right		RGB	<b>45</b>	46	47	48	105	106	107	108
SHIFT		green/red	<b>49</b>	50	51	52	N/A			
Mid (bottom mid)		blue	<b>53</b>	54	55	56	113	114	115	116
BANK		green/red	<b>57</b>	N/A			117	N/A		

- Buttons and PAD's LED receive Notes (NoteOn 0x9), Encoder LED receive CC (CC 0xB), value=COLOR
- COLOR - Unicolor LED (encoder and bottom mid LED's): 0=OFF, 1(or 127)=ON, 2=Color flash
- COLOR - Bicolor LED: 0=OFF, 1/127=1<sup>st</sup> Color, 2=2<sup>nd</sup> Color, 3=1<sup>st</sup> Color flash, 4=2<sup>nd</sup> flash, 5=1<sup>st</sup><->2<sup>nd</sup> flash
- COLOR - RGB PAD values: each PAD has 3 LED's (RGB), each LED supports 5 intensities, results in 125 mix colors in total (5x5x5 cube model). Values: **RED**=0,25,50,75,100 | **GREEN**=0,5,10,15,20 | **BLUE**=0,1,2,3,4. Mix colors by adding values, e.g: 0=OFF, 31=dark white(25+5+1), 4=bright blue, 52=mid intensive magenta (red50+blue2), 20/60/90/120= yellow's (red+green in same ratio, add more red for orange), 124=full white
- 3 LED's (MIDI Channel, SHIFT, BANK) receive MIDI messages above if related firmware triggering is disabled, SHIFT and BANK 2-4 LED only available if related layer is enabled, default notes/CC: **bold**
- RECEIVE Enhancements to address DJ application specific features:
  - Supporting DJ application SHIFT LED: Mid (bottom) LED receives Note 123 (127/0) in ALL layers
  - Auto Color '125' on PAD's 1-4: BLUE (3), toggles to RED (75) if Mid bottom knob is pressed (ALL layers)

