

MIDI Implementation Chart

function		Transmitted	Recognized	Remarks
basic channel	Default	X	1	
	Changed	X	1-16	
Mode	Default			
	Messages Altered	X	X	
Note number		00-7F	00-7F	*1
	True voice	X	X	
Velocity	Note ON	00-7F	00-7F	
	Note OFF	X	X	
After touch	Key's	X	X	
	Channel	X	X	
Pitch bend		X	X	
Control change		00-7F	00-7F	*1
Prog Change		00-7F	00-7F	*1
	True#	X	X	
SysEx		X	X	
Common	Song pos	X	X	
	Song Sel	X	X	
	Tune	X	X	
System real time	Clock	X	X	
	Commands	X	X	
Aux Messages	Local ON/OFF	X	X	
	All Notes OFF	X	X	
	Active Sense	X	X	
	Reset	X	X	
O: YES Mode 1: OMNI ON, POLY Mode 2: OMNI ON, MONO X: NO Mode 3: OMNI OFF, POLY Mode 4: OMNI OFF, MONO				

*1 The Scanmaster 2 MKII has two modes:

MIDI controller (Function switch set to MIDI)

In MIDI controller mode the Scanmaster 2 MKII transmits and receives MIDI Note On, Control Change and Program change commands. See table 1, table 2 and table 3.

DMX controller (Function switch set to DMX)

In DMX controller mode the scanmaster 2 MKII only receives Note number commands. See Table 4.

Function switch set to MIDI

Table 1: Note On commands

Note ##	Page										
	1	2	3	4	5	6	7	8	9	10	
Chase	1	00	00	00	38	58	50	08	28	40	60
	2	01	01	01	39	59	51	09	29	41	61
	3	02	02	02	3A	5A	52	0A	2A	42	62
	4	03	03	03	3B	5B	53	0B	2B	43	63
	5	04	04	04	3C	5C	54	0C	2C	44	64
	6	05	05	05	3D	5D	55	0D	2D	45	65
	7	06	06	06	3E	5E	56	0E	2E	46	66
	8	07	07	07	3F	5F	57	0F	2F	47	67
	9	08	08	08	40	60	60	10	30	48	68
	10	09	09	09	41	61	61	11	31	49	69
	11	0A	0A	0A	42	62	62	12	32	4A	6A
	12	0B	0B	0B	43	63	63	13	33	4B	6B
Scenes	1	0C	0C	0C	44	64	78	00	20	4C	6C
	2	0D	0D	0D	45	65	79	01	21	4D	6D
	3	0E	0E	0E	46	66	7A	02	22	4E	6E
	4	0F	0F	0F	47	67	7B	03	23	4F	6F
	5	10	10	10	48	68	7C	04	24	50	70
	6	11	11	11	49	69	7D	05	25	51	71
	7	12	12	12	4A	6A	7E	06	26	52	72
	8	13	13	13	4B	6B	7F	07	27	53	73
Fixture	1	14	20	2C	4C	6C	6C	14	34	54	74
	2	15	21	2D	4D	6D	6D	15	35	55	75
	3	16	22	2E	4E	6E	6E	16	36	56	76
	4	17	23	2F	4F	6F	6F	17	37	57	77
	5	18	24	30	50	70	70	18	38	58	78
	6	19	25	31	51	71	71	19	39	59	79
	7	1A	26	32	52	72	72	1A	3A	5A	7A
	8	1B	27	33	53	73	73	1B	3B	5B	7B
	9	1C	28	34	54	74	74	1C	3C	5C	7C
	10	1D	29	35	55	75	75	1D	3D	5D	7D
	11	1E	2A	36	56	76	76	1E	3E	5E	7E
	12	1F	2B	37	57	77	77	1F	3F	5F	7F

Scanmaster 2 MKII in MIDI mode: Velocity > 0 is ON, velocity = 00 is Off

Table 2: Control Change commands

CC ##		Page									
		1	2	3	4	5	6	7	8	9	10
Fader	1	00	10	20	30	40	50	5E	70	00	00
	2	01	11	21	31	41	51	5F	71	01	01
	3	02	12	22	32	42	52	60	72	02	02
	4	03	13	23	33	43	53	61	73	03	03
	5	04	14	24	34	44	54	62	74	04	04
	6	05	15	25	35	45	55	63	75	05	05
	7	06	16	26	36	46	56	64	76	06	06
	8	07	17	27	37	47	57	65	77	07	07
	9	08	18	28	38	48	58	66	78	08	08
	10	09	19	29	39	49	59	67	79	09	09
	11	0A	1A	2A	3A	4A	5A	68	7A	0A	0A
	12	0B	1B	2B	3B	4B	5B	69	7B	0B	0B
	13	0C	1C	2C	3C	4C	5C	6A	7C	0C	0C
	14	0D	1D	2D	3D	4D	5D	6B	7D	0D	0D
	15	0E	1E	2E	3E	4E	5E	6C	7E	0E	0E
	16	0F	1F	2F	3F	4F	5F	6D	7F	0F	0F

Table 2: Program Change commands

[illegible]

Function switch set to DMX

Table 4: Note On commands

Note		##
Chase	1	00
	2	01
	3	02
	4	03
	5	04
	6	05
	7	06
	8	07
	9	08
	10	09
	11	0A
	12	0B
Scenes	1	0C
	2	0D
	3	0E
	4	0F
	5	10
	6	11
	7	12
	8	13
Bank	1	14
	2	15
	3	16
	4	17
	5	18
	6	19
	7	1A

Note		##
Bank	8	1B
	9	1C
	10	1D
	11	1E
	12	1F
	13	20
	14	21
	15	22
	16	23
	17	24
	18	25
	19	26
	20	27
	21	28
	22	29
	23	2A
	24	2B
	25	2C
	26	2D
	27	2E
	28	2F
	29	30
	30	31
Audio Trigger		32
Auto Trigger		33
Blackout		34

Scanmaster 2 MKII in DMX mode toggles all functions On/ Off if velocity > 00

E.g. 90 00 7F Chase 1 On
 90 00 7F Chase 1 Off