Requirements:
BCD2000 with upgraded driver from 1.0.0.6 to 1.1.1.0
Traktor 3
MIDIYoke (available from www.midiox.com)
BOMEs MIDI Translator v1.5 (purchase v1.4 licence, apply for beta v1.5 go obtain
a 30 day trial, then purchased v1.5 licence)

Install MIDIYoke, restart if required.
Connect & install BCD2000 with software/driver provided.Then upgrade to v1.1.1.0 driver.
Configure control panel for BCD2000 as ADVANCED mode, set latency to about half way (20ms approx)
Install Traktor 3 (if not already done so)
Install BOMEs MIDI Translator. Set up MIDI IN as BCD2000, MIDI OUT as MIDIYoke 1.
Import BOMEs MIDI Translator template. Set up in BOME's option 'Startup'..'Auto start with Windows'
Minimise BOMEs to mini-icon by clock. DO NOT CLOSE ELSE YOUR MIDI WILL NOT WORK.
Open Traktor 3. In Preferences go to MIDI Devices. turn on MIDIYoke 1, but do not turn on BCD2000.
Under MIDI Setup, 'Load' the Traktor3/BCD2000 preset. This will configure all controls as mapped
from BOMEs. Under SOUNDCARD setup so BCD2000 ASIO is chosen, OUTPUT SETTINGS should
be so BCD2000: 1 & 2 are Master out, 3 & 4 are Monitor out. Apply all and close the Preferences
Use the mouse to locate a track, load it into deck A, Press PLAY on the BCD2000. The track should
now start playing.

Correct method of turning on for deejaying.
1: BCD2000, 2. PC/Laptop   Reason for this is because if you turn on Laptop/PC first before BCD2000,
the MIDI connections in BOMEs Translator will need to be reset. This is also the case if you swap USB
sockets from one session to the next. BOMEs does not pickup on USB socket swapping.

BCD2000 MIDI CONTROL MAP A = DECK A&B IN PITCH MODE   B = DECK A PITCH MODE, DECK B SCRATCH MODE
C = DECK A SCRATCH MODE, DECK B PITCH MODE   D = DECK A & B SCRATCH MODE

BCD2000 CONTROLLER	TRAKTOR CONTROL	TRAKTOR MODE	TEMPLATE MODE	BCD2000 MIDI OUT	MIDI TRANSLATED TO:	TRAKTOR RECEIVES:
1	MASTER EFFECT KNOB 1	DIRECT / ANALOG FADER	A / B / C / D	CC 14	CC 14	CC 13
2	MASTER EFFECT KNOB 2	DIRECT / ANALOG FADER	A / B / C / D	CC 15	CC 15	CC 14
3	MASTER EFFECT KNOB 3	DIRECT / ANALOG FADER	A / B / C / D	CC 16	CC 16	CC 15
4	MASTER EFFECT KNOB 4	DIRECT / ANALOG FADER	A / B / C / D	CC 17	CC 27	CC 26
5	MASTER EFFECT BUTTON 1	HOLD	A / B / C / D	NOTE G1	NOTE G1	NOTE G1
6	MASTER EFFECT BUTTON 2	HOLD	A / B / C / D	NOTE G#1	NOTE G#1	NOTE G#1
7	MASTER EFFECT BUTTON 3	HOLD	A / B / C / D	NOTE A1	NOTE A1	NOTE A2
8	MASTER EFFECT BUTTON 4	HOLD	A / B / C / D	NOTE A#1	NOTE A#1	NOTE A#2
9	MASTER EFFECT SELECT PREV	PREV	A / B / C / D	NOTE C2	NOTE C2	NOTE C2
10	MASTER EFFECT SELECT NEXT	NEXT	A / B / C / D	NOTE B1	NOTE B1	NOTE H2
11	DECK MONITOR CUE (DECK A)	HOLD	A / B / C / D	CC 18 (0)	CC 18 (127)	CC 17
	DECK MONITOR CUE (DECK A) off	HOLD	A / B / C / D	CC 18 (127)	CC 18 (0)	CC 17
	DECK MONITOR CUE (DECK B)	HOLD	A / B / C / D	CC 18 (127)	CC 17 (127)	CC 16
	DECK MONITOR CUE (DECK B) off	HOLD	A / B / C / D	CC 18 (0)	CC 17 (0)	CC 16
	DECK SELECT FOCUS (DECK A)	TRIGGER	A / B / C / D	CC 18 (127)	CC 18 (127)	CC 17
	DECK SELECT FOCUS (DECK B)	TRIGGER	A / B / C / D	CC 18 (127)	CC 17 (127)	CC 16
12	DECK CUE PREV (DECK A)	TRIGGER	A / B / C / D	NOTE C-1	NOTE C-1	NOTE ???
13	DECK CUE NEXT (DECK A)	TRIGGER	A / B / C / D	NOTE C#-1	NOTE C#-1	NOTE ???
14	LOW GAIN (DECK A)	DIRECT / ANALOG FADER	A / B / C / D	CC 4	CC 4	CC 3
15	MID GAIN (DECK A)	DIRECT / ANALOG FADER	A / B / C / D	CC 5	CC 5	CC 4
16	HI GAIN (DECK A)	DIRECT / ANALOG FADER	A / B / C / D	CC 6	CC 6	CC 5
17	DECK GAIN (DECK A)	DIRECT / ANALOG FADER	A / B / C / D	CC 7	CC 7	CC 6
18	LOW CUT ON/OFF (DECK A)	TOGGLE	A / B / C / D	NOTE C-0(127)	NOTE C-0(127)	NOTE C-0(127)
19	MID CUT ON/OFF (DECK A)	TOGGLE	A / B / C / D	NOTE C#-0(127)	NOTE C#-0(127)	NOTE C#-0(127)
20	HI CUT ON/OFF (DECK A)	TOGGLE	A / B / C / D	NOTE D-0(127)	NOTE D-0(127)	NOTE D-0(127)
21	(not used yet)					
22	(not used yet)					
23	(not used yet)					
24	(not used yet)					
25	(does not control Traktor, switches templates in MIDI Translator : DECK A only	(on = deck a scratch enable off = deck a pitch mode)	Template swapping depends on button 25 & 47 states	--	--	--
LED off	If template is in mode A, pressing button will swap template to mode C (DECK A scratch, DECK B pitch).					LED on
LED off	If template is in mode B (DECK A pitch, DECK B scratch), then the template would swap to template D (DECK A & B scratch).					LED on
LED on	If template is in mode C, pressing button will swap template to template A					LED off
LED on	If template is in mode D, pressing button will swap template to template B					LED off
26	TEMPO FINE (DECK A)	DIRECT / ANALOG FADER (invert on)	A / B / C / D	CC 12	CC 12	CC 11
27	PITCH BEND UP (DECK A)	UP (repeat off / invert off)	A / B / C / D	NOTE D#-1	NOTE D#-1	NOTE ???
28	PITCH BEND DOWN (DECK A)	DOWN (repeat off / invert off)	A / B / C / D	NOTE D-1	NOTE D-1	NOTE ???
29	CUE/INSTANT PLAY (DECK A)	TRIGGER (LED not used)	A / B / C / D	NOTE F#0	NOTE F#0	NOTE F#0
30	PLAY PAUSE (DECK A)	HOLD	A / B / C / D	NOTE G0	NOTE G0	NOTE G-0
31	DECK VOLUME (DECK A)	DIRECT / ANALOG FADER	A / B / C / D	CC 0	CC 0	CC 0
32	PITCH BEND UP (DECK A) *jog*	UP (repeat off / invert off)	A / B	CC 19 (65)	NOTE D#-1 (127)	NOTE ???
	NB: BOME will add in a timer control of 10ms on relasing the wheel, before releasing the pitch bend control			CC 19 (65)	Timer 10ms	
	10ms reached after last CC 19 (65) command			Timer 10ms	NOTE D#-1(0)	NOTE ???
	PITCH BEND DOWN (DECK A) *jog*	DOWN (repeat off / invert off)	A / B	CC 19 (64)	NOTE D-1 (127)	NOTE ???
	NB: BOME will add in a timer control of 10ms on relasing the wheel, before releasing the pitch bend control			CC 19 (64)	Timer 10ms	
	10ms reached after last CC 19 (64) command			Timer 10ms	NOTE D-1(0)	NOTE ???
	DECK SCRATCH (DECK A - fwd) *jog*	HOLD (turns on SCRATCH toggle)--->	C / D	CC 19 (65)	NOTE E-1 (127)	NOTE E-1
		ROTARY ENCODER (64)	C / D	CC 19 (65)	CC 22 (7)	CC 21
		(invert on / sens 17% / accel 62%)				
	NB: velocity of 7 allows Traktor to receive a maximum of 7 out of 127, to create a better control over the scratch (above 64 'chipmunks' the sound too much)					
	velocity of 1 is extremely slow, 15 is exceptionally fast, controls can be adjusted to suit. The sensitivity / acceleration in Traktor can be adjusted also.					
	NB: BOME will add in a timer control of 25ms on releasing the wheel, before releasing the SCRATCH TOGGLE control			CC 19 (65)	Timer 25ms	
	25ms reached after last CC 19 (65) command	(turns off scratch toggle)--->		Timer 25ms	NOTE E-1 (0)	NOTE E-1
	DECK SCRATCH (DECK A - back) *jog*	HOLD (turns on SCRATCH toggle)--->	C / D	CC 19 (64)	NOTE E-1 (127)	NOTE E-1
		ROTARY ENCODER (64)	C / D	CC 19 (64)	CC 23 (7)	CC 22
		(invert off / sens 17% / accel 62%)				
	NB: velocity of 7 allows Traktor to receive a maximum of 7 out of 127, to create a better control over the scratch (above 64 'chipmunks' the sound too much)					
	velocity of 1 is extremely slow, 15 is exceptionally fast, controls can be adjusted to suit. The sensitivity / acceleration in Traktor can be adjusted also.					
	NB: BOME will add in a timer control of 25ms on releasing the wheel, before releasing the SCRATCH TOGGLE control			CC 19 (64)	Timer 25ms	
	25ms reached after last CC 19 (65) command	(turns off scratch toggle)--->		Timer 25ms	NOTE E-1 (0)	NOTE E-1
33	CROSSFADER	GLOBAL / ANALOG FADER	A / B / C / D	CC 1	CC 1	CC 1
34	LOW GAIN (DECK B)	DIRECT / ANALOG FADER	A / B / C / D	CC 8	CC 8	CC 7
35	MID GAIN (DECK B)	DIRECT / ANALOG FADER	A / B / C / D	CC 9	CC 9	CC 8
36	HI GAIN (DECK B)	DIRECT / ANALOG FADER	A / B / C / D	CC 10	CC 10	CC 9
37	DECK GAIN (DECK B)	DIRECT / ANALOG FADER	A / B / C / D	CC 11	CC 11	CC 10
38	LOW CUT ON/OFF (DECK B)	TOGGLE	A / B / C / D	NOTE G#0(127)	NOTE G#0(127)	NOTE G#0
39	MID CUT ON/OFF (DECK B)	TOGGLE	A / B / C / D	NOTE A-0(127)	NOTE A-0(127)	NOTE A-0
40	HI CUT ON/OFF (DECK B)	TOGGLE	A / B / C / D	NOTE A#0(127)	NOTE A#0(127)	NOTE A#0
41	DECK CUE PREV (DECK B)	TRIGGER	A / B / C / D	NOTE F#-1	NOTE F#-1	NOTE ???
42	DECK CUE NEXT (DECK B)	TRIGGER	A / B / C / D	NOTE G-1	NOTE G-1	NOTE ???
43	(not used yet)					
44	(not used yet)					
45	(not used yet)					
46	(not used yet)					
47	(does not control Traktor, switches templates in MIDI Translator : DECK B only	(on = deck b scratch enable off = deck b pitch mode)	Template swapping depends on button 25 & 47 states	--	--	--
LED off	If template is in mode A, pressing button will swap template to mode B (DECK A pitch, DECK B scratch).					LED on
LED on	If template is in mode B (DECK A pitch, DECK B scratch), then the template would swap to template A (DECK A & B pitch).					LED off
LED off	If template is in mode C, pressing button will swap template to template D					LED on
LED on	If template is in mode D, pressing button will swap template to template C					LED off
48	DECK VOLUME (DECK B)	DIRECT / ANALOG FADER	A / B / C / D	CC 2	CC 2	CC 2
49	CUE/INSTANT PLAY (DECK B)	TRIGGER (LED not used)	A / B / C / D	NOTE D-1	NOTE D-1	NOTE D-1
50	PLAY PAUSE (DECK B)	HOLD	A / B / C / D	NOTE D#1	NOTE D#1	NOTE D#1
51	TEMPO FINE (DECK B)	DIRECT / ANALOG FADER (invert on)	A / B / C / D	CC 13	CC 13	CC 12
52	PITCH BEND UP (DECK B)	UP (repeat off / invert off)	A / B / C / D	NOTE A-1	NOTE A-1	NOTE A-0
53	PITCH BEND DOWN (DECK B)	DOWN (repeat off / invert off)	A / B / C / D	NOTE G#-1	NOTE G#-1	NOTE ???
54	PITCH BEND UP (DECK B) *jog*	UP (repeat off / invert off)	A / C	CC 18 (65)	NOTE A-1 (127)	NOTE A-0
	NB: BOME will add in a timer control of 10ms on relasing the wheel, before releasing the pitch bend control			CC 18 (65)	Timer 10ms	
	10ms reached after last CC 18 (65) command			Timer 10ms	NOTE A-1(0)	NOTE ???
	PITCH BEND DOWN (DECK B) *jog*	DOWN (repeat off / invert off)	A / C	CC 18 (64)	NOTE G#-1 (127)	NOTE ???
	NB: BOME will add in a timer control of 10ms on relasing the wheel, before releasing the pitch bend control			CC 18 (64)	Timer 10ms	
	10ms reached after last CC 18 (64) command			Timer 10ms	NOTE G#-1(0)	NOTE ???
	DECK SCRATCH (DECK B - fwd) *jog*	HOLD (turns on SCRATCH toggle)--->	B / D	CC 18 (65)	NOTE B-2 (127)	NOTE H-3
		ROTARY ENCODER (64)	B / D	CC 18 (65)	CC 24 (7)	CC 23
		(invert on / sens 17% / accel 62%)				
	NB: velocity of 7 allows Traktor to receive a maximum of 7 out of 127, to create a better control over the scratch (above 64 'chipmunks' the sound too much)					
	velocity of 1 is extremely slow, 15 is exceptionally fast, controls can be adjusted to suit. The sensitivity / acceleration in Traktor can be adjusted also.					
	NB: BOME will add in a timer control of 25ms on releasing the wheel, before releasing the SCRATCH TOGGLE control			CC 18 (65)	Timer 25ms	
	25ms reached after last CC 18 (65) command	(turns off scratch toggle)--->		Timer 25ms	NOTE B-2 (0)	NOTE E-1
	DECK SCRATCH (DECK B - back) *jog*	HOLD (turns on SCRATCH toggle)--->	B / D	CC 18 (64)	NOTE B-2 (127)	NOTE H-3
		ROTARY ENCODER (64)	B / D	CC 18 (64)	CC 25 (7)	CC 24
		(invert off / sens 17% / accel 62%)				
	NB: velocity of 7 allows Traktor to receive a maximum of 7 out of 127, to create a better control over the scratch (above 64 'chipmunks' the sound too much)					
	velocity of 1 is extremely slow, 15 is exceptionally fast, controls can be adjusted to suit. The sensitivity / acceleration in Traktor can be adjusted also.					
	NB: BOME will add in a timer control of 25ms on releasing the wheel, before releasing the SCRATCH TOGGLE control			CC 18 (64)	Timer 25ms	
	25ms reached after last CC 18 (65) command	(turns off scratch toggle)--->		Timer 25ms	NOTE B-2 (0)	NOTE H-3