MTBX

MIDI TEST BOX for osX

APP for OSX

CoreMIDI wireless, virtual and hardware MIDI interfaces

USER MANUAL

		MTBX Meter			
2c 3c			60		
CH (1) 02 03 04 05 05 07 08 09 10 11 12 13 14 15 15 Keyboard range 2C to 7C 5 OCT LESS -OCT +OCT MORE					
L O G CLEARED	NOTE 🌑		INPU	т 🅘	
		80 - BF NOTE OFF 90 - 9F NOTE ON	ASEN	SE 🌑	
	CCNTR 🌑	B0 - BF CONTINUOUS CONTROLLER	CLOC	к 🌑 123	
	р-WH 🌑)	OUTP	UT 🕘 BPM	
		E0 = EF PITCH BEND WHEEL	1		
	PRG 🌑	C0 - CF PROGRAM CHANGE		PANIC	
05 🕚	P-AT 🌑				
06 🕚	C 300	AV = AF POLIPHONIC AFTER TOUCH		CIFAR	
07 🔴	C-AT	D0 - DF CHANNEL AFTER TOUCH		CLL/III	
	MISC 🎱	P) SER P) SONG P(TIME PA START FR CONT PC STAR		ECHO	
		(12 DFF TS DONG TO TORE TA START TO COMI TO STOP)		ECHO	
11 0	SVSEY	10x F0 7F 00 01 01 20 01 13 03 F7	ſ	DINC	
12 🔴	F0 BEGIN			PING	
13 🗶	F7 END		Ī	window show sort	
14 🔴	QF FI XX		26	LOG UP PORTS DOWN	
15 0	МТС F8	00:01:13.03		M T B X v1.10	
16			©201	4 dyslexia software ltd.	



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DYSLEXIA SOFTWARE LTD writing MIDI software since MIDI began

METER WINDOW

your main window for real time information, this window is **NOT** resizable





DYSLEXIA SOFTWARE LTD writing MIDI software since MIDI began

PORTS WINDOW

select IN and OUT ports to connected to, this window is $\underline{\textbf{NOT}}$ resizable but can be hidden





LOG WINDOW

allows for recording of all or any messages in varied ways, window **IS** resizable and can be hidden





LEDS

INPUT

This **LED** lights to show any MIDI message to the METERS from INPUT Ports

OUTPUT

This **LED** lights to show any MIDI message is sent from MTBX to OUTPUT Ports

A-SEN

The **LED** lights when an ACTIVE SENSING (FE) message is seen. This message has no action, other than to show that the transmitting device is active, common in older MIDI Keyboard and controllers. The DX7 sends this out at quite a high rate !

CLK

The **LED** lights when a TIMING CLOCK (F8) is detected. This is a single byte message that used to provide a tempo division. They come very quick so the **LED** will stay solid most of the time when they are being sent.

BPM

Calculates the TEMPO of TIMING CLOCKS (F8). This is displayed in BPM - calculated using an average over time. Based on 24 clocks per crotchet (quarter note). If there is no CLOCK then the last calculated BPM will be continue to be displayed.

NOTE

LED lights when a NOTE ON (90-9F) or NOTE OFF (80-8F) message is present, the latest message is then shown on the corresponding **BLUE** LCD panel. Showing channel, note and velocity information. The appropriate channel **LED** will also light (on the right of the screen).

CCNTR

CONTROL CHANGE messages (B0–BF) light this **LED**, the last control change message is shown in the **BLUE** LCD panel. Shows channel, controller and value. The appropriate channel **LED** will also show.

P-WH

PITCH WHEEL (E0–EF) movements are show **GREEN** here, the latest pitch change is shown in the P-WH **BLUE** LCD panel. Shown as channel and 14 bit signed value. The appropriate channel **LED** will also show.

PRG

PROGRAM CHANGE (CO-CF) values get shown here on the **GREEN** LED, the channel and number is shown on the LCD panel. Channel **LED** flashes.



P-AT

LED lights when a POLYPHONIC AFTER TOUCH (A0–AF) message is found, the last message is then shown in the corresponding **BLUE** LCD panel. Showing channel, note and after touch value. The appropriate channel **LED** will also light (on the right of the screen).

C-AT

The CHANNEL AFTER TOUCH (DO-DF) message lights this **GREEN** LED and the details are shown on the LCD. Shows channel and after touch value. The channel **LED** also light.

MISC

The LED lights when the STOP (FE), START (FE), CONTINUE (FE), SONG NUMBER (FE) or SONG POSITION (FE) messages are seen. The name of the message is shown in the **BLUE** area. No channel LED lights for these.

SYSEX

The LED lights when a completed SYSTEM EXCLUSIVE (F0) message is found. The message and hexadecimal bytes are shown in the scrollable **BLUE** area. The number of bytes making up the message is shown before the message (that is enclosed in square brackets). No channel LED are associated with SYSEX messages. However further interpretation may produce MIDI TIME CODE messages that are shown in the TIMECODE LCD field.

Touching any of the labels to the left of the LED clears the BLUE LCD area - allowing for a new message to be more easily seen. not available in v1.00

CHANNEL LEDS

Down the right side light when a channel message is seen for that channel: *example:*

- NOTE ON Channel 15 = 0x9E, note, velocity
- NOTE OFF Channel 2 = 0x81, note, velocity

The LEDs will flash once for a NOTE ON and again for a NOTE OFF