

# mLab OBX MIDIcontrol

The magicBox for the last OBX revision with a 37-pin connector



gives you realtime MIDI access to all OBX parameters.

## Installation

The interface needs an external power supply (not included)

The power supply should output 5...9V DC where the center pin = (+)

If you don't like to use an external power supply,  
you can supply your interface from the OBX by doing a Little modification.

The installation is much more easy than any other MIDI retrofit.

We leave your Oberheim Synthesizer completely untouched.

Just plug the magic box into the ComputerPort at the rear panel of your OBX,  
and you have real time access to more than 40 parameters.

It's that easy.

## Everything under control

- NoteNumber
- ProgramChange
- Modulation
- PitchBend
- all OBX parameter
- EDIT, COPY, PASTE, STORE
- 56 additional ROM presets
- 56 additional USER Memory,
- SysEx dump and more.

## MIDI controller list

### OBX controls

CC# 06 VCF RELEASE  
CC# 07 VCA RELEASE  
CC# 08 VCF SUSTAIN  
CC# 09 VCA SUSTAIN  
CC# 10 VCF DECAY  
CC# 11 VCA DECAY  
CC# 12 VCF ATTACK  
CC# 13 VCA ATTACK  
CC# 14 PULSE WIDTH  
CC# 15 RESONANCE  
CC# 16 VCF ENV AMOUNT  
CC# 17 LFO RATE  
CC# 18 FM MODULATION  
CC# 19 PULSE MODULATION  
CC# 20 PORTAMENTO  
CC# 21 OSC 2 DETUNE  
CC# 22 VCF FREQUENCY  
CC# 23 OSC 1 FREQUENCY  
CC# 24 OSC 2 FREQUENCY

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### OBX switches

CC# 25 (ch3) OSC 2 FM  
CC# 25 (ch4) VCF FM  
CC# 25 (ch5) UNISON  
CC# 25 (ch6) LFO WAVE SINE  
CC# 25 (ch7) LFO WAVE SQUARE  
CC# 25 LFO WAVE S&H (Sine&Square off)  
CC# 25 (ch8) OSC 1 FM  
CC# 26 (ch3) OSC 1 PWM  
CC# 26 (ch4) OSC 2 PWM  
CC# 26 (ch5) OSC 1 SAW ON/OFF  
CC# 26 (ch6) OSC 2 SAW ON/OFF  
CC# 26 (ch7) SYNC  
CC# 26 (ch8) X-MOD  
CC# 27 (ch3) VCF KEY TRACK  
CC# 27 (ch4) OSC 1 PULSE ON/OFF  
CC# 27 (ch5) OSC 2 PULSE ON/OFF  
CC# 27 (ch6) OSC 2 HALF  
CC# 27 (ch7) NOISE-Low Level  
CC# 27 (ch8) NOISE-High Level

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### Additional controls

CC# 77 MOD WHEEL AMOUNT  
CC# 120 NUMBER OF VOICES  
CC# 85 Preset 1...56 select  
CC# 86 User Memory 1...56 select  
CC# 79 KBD MODE (memory/cycling)  
CC# 87 Load: Preset/User Memory  
CC# 88 Save: Preset/User Memory  
CC#107 Dump: All User Memories