

MAX BASICS

Terms and Concepts

<p>Programming Object-oriented programming language Graphical programming language Patcher window Max window (error messages) Tool palette Lock/Unlock (Run/Edit) Assistance area Subpatch (patcher) - Inlets/Outlets Encapsulation Real-time interaction</p> <p>Setup/Performance File > MIDI Setup (Port assignment) Options > Overdrive</p> <p>Working with Objects New Object List Help on 'object' Object > Get Info...</p> <p>Inlets Outlets Arguments - Obligatory - Optional</p> <p>Messages Patch cords Message types - int - float - list - bang - symbol - any message</p>	<p>Order of Execution (1) right-to-left (2) bottom-to-top Triggering by left-most inlet</p> <p>Math Objects random +, -, *, / and % expr</p> <p>MIDI Objects - notein/noteout - bendin/bendout - pgmin/pgmout - ctlin/ctlout - touchin/touchout - makenote - stripnote - flush</p> <p>Low-level MIDI Objects - midiin/midiout - midiparse - midformat</p> <p>Sequencing - seq - detonate</p> <p>Timing Objects metro tempo pipe delay trigger</p>	<p>Data/Selection Objects Number box int/float capture table coll pack/unpack select key gate</p> <p>User Interface Objects Bang Comment Dial Keyboard slider Message Number box (int and float) Slider (vertical/horizontal) Toggle Menu Fpic</p> <p>Interface Design Object > Hide/Show on Lock Object > Align Object > Color Options > Segmented Patch Cords Resize objects Font selection Panel Transparent button</p> <p>Initialization/Settings Loadbang object Preset object File search path</p>
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Reading

Cycling '74, "Overview: The Max Application" from *Max: Getting Started* (Cycling 74: Palo Alto, CA: 2004), 9-30.

Reference

Cycling 74, *Max Reference Manual* (Cycling 74: Palo Alto, CA: 2006).

_____, *Max Topics and Tutorials* (Cycling 74: Palo Alto, CA: 2006).

Huber, David Miles. *The MIDI Manual: A Practical Guide to MIDI in the Project Studio*, 3rd ed. New York: Focal Press, 2007.

Winkler, Todd. *Composing Interactive Music: Techniques and Ideas Using Max*. Cambridge, MA: MIT Press, 1998.