

Aeolus Midi chart (>v0.9.8)

Midi Channel#	Msg#	Values	Description	Input	Output
midi matrix "Divisons"	CC 7	0-127	Swell	Y	Y
midi matrix "Divisons"	CC 12	0-127	Tremulant frequency	Y	Y
midi matrix "Divisons"	CC 13	0-127	Tremulant amplitude	Y	Y
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midi matrix "Keyboards"	CC 14	0-127	Division Azimuth	Y	Y
midi matrix "Keyboards"	CC 15	0-127	Division Width	Y	Y
midi matrix "Keyboards"	CC 16	0-127	Division Direct	Y	Y
midi matrix "Keyboards"	CC 17	0-127	Division Reflect	Y	Y
midi matrix "Keyboards"	CC 18	0-127	Division Reverb	Y	Y
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midi matrix "Control"	CC 20	0-127	Reverb delay	Y	Y
midi matrix "Control"	CC 21	0-127	Reverb time	Y	Y
midi matrix "Control"	CC 22	0-127	Reverb position	Y	Y
midi matrix "Control"	CC 23	0-127	Master volume	Y	Y
-----	CC24-27	-----	reserved	-----	-----
midi matrix "Control"	CC 28	any	Cancel	Y	Y
midi matrix "Control"	CC 29	any	Tutti	Y	Y
midi matrix "Control"	CC 30	any	Transpose	Y	Y
midi matrix "Control"	CC 31	any	Crescendo	see note(2)	see note(2)

Midi Channel#	Msg#	Values	Description	Input	Output
midi matrix "Control"	CC 32	0-32	Bank Select	Y	todo
midi matrix "Control"	CC 33	0-32	Preset recall	Y	todo
midi matrix "Control"	CC 34	0-32	Preset store	Y	todo
midi matrix "Control"	CC 35	any	Preset previous	Y	todo
midi matrix "Control"	CC 36	any	Preset next	Y	todo
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midi matrix "Division"	CC 37	0-32	Division recall	todo	todo
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midi matrix "Control"	CC 64	off=<64 <on	sustain	Y	--
midi matrix "Control"	CC 98	see manual	stops control	Y	see note(1)
midi matrix "Control"	CC 120	0	all sound off	Y	--
midi matrix "Control"	CC 123	0	all notes off	Y	--
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midi matrix "Control"	PC	0-32	recall preset# in current bank	Y	todo
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(1) Stops output messages

- when a stop goes on : send a NOTE_ON event with the stop rank as note number, using the midi channel from the keyboard where the stop is attached
- when a stop goes off : send a NOTE_OFF event with the stop rank as note number, using the midi channel from the keyboard where the stop is attached

(2) Crescendo

- For now crescendo is not available in native aeolus. It is needed to define a set of preset stored in memory slots/banks and create an external filter to recall these presets.

(3) Stops control

- Default organnery uses the standard aeolus stops control messages, where you need to send 1 or 2 MIDI messages to enable/disable a stop.
- A First message on CC#98 selects a **mode and a group of stops** (often the same as keyboards), and either :
 - clear all stops in the group
 - CC#98, value from 64 to 71 for groups 1 to 8
 - set mode to « disable a stop »
 - CC#98, value from 80 to 87 for groups 1 to 8
 - set mode to « enable a stop »
 - CC#98, value from 96 to 103 for groups 1 to 8
 - set mode to « toggle a stop »
 - CC#98, value from 112 to 119 for groups 1 to 8
- Second message on CC#98 selects the stop on which to **act**
 - CC#98, value from 0 to 31
 - According to the current state of mode, this command switches a stop on or off, or toggles its state, or does nothing at all. When using the default horizontal layout on the GUI, buttons are numbered left to right, top to bottom within each group. The first one is #0. This is the default listing of stops in the instrument definition file
 - If no previous mode message was received this message will not do anything.
 - When a mode message has been sent, it is not mandatory to send it again. All following act message will act in the same mode.
 - You can choose to always send the mode message before the act message.