

VT4 Control – Read Me

Requirements

- Ableton Live 10.x with embedded Max for Live
- Max for Live license or Ableton Suite

Support

- No support is available for this software

Generic Setup

- Install Roland VT-4 driver (optional, full VT-4/Roland functionality)
- Connect the VT-4 via USB
- Power on the VT-4
- Start Ableton Live
- Open Ableton Live Preferences
- Go to Link/MIDI
- Enable [ON] VT-4 Track input, leave other VT-4 MIDI options (Sync, Remote) [OFF]
- Enable [ON] VT-4 Track output, leave other VT-4 MIDI options (Sync, Remote) [OFF]
- Make sure Audio gets into Live (use of USB audio streaming is not recommended due to latency)

MIDI Track setup option A = MIDI notes managed by the VT4Control plugin

In this case MIDI notes are managed by the VT4Control plugin, which treats note off differently from the VT-4 unit. The plugin processes MIDI to the Harmonizer differently than the VT-4 unit.

- Use a MIDI track for both MIDI note input to the VT-4 and VT4Control plugin
- Configure [MIDI From] on the VT-4 MIDI track to {All Ins}
- Configure [MIDI To] on the VT-4 MIDI track to {VT-4}
- Arm the track for recording
- Drop the VT-4Control Max for Live device

MIDI Track setup option B = MIDI notes sent separately to the VT-4 unit.

In this case two MIDI tracks are used, so that MIDI notes are sent separately to the VT-4 unit *without* VT4Control processing. The VT-4 unit processes MIDI to the Harmonizer differently than the plugin.

- Use a MIDI track exclusively for the VT-4. Let's call it Track1/VT-4
- Use a MIDI track only for MIDI note input from a keyboard. Let's call it Track2/MIDI_notes
- On Track1/VT-4 configure [MIDI From] as {VT-4}
- On Track1/VT-4 configure [MIDI To] to {VT-4}
- Arm Track1/VT-4 for recording (or put in in [Monitor] = [In])
- Drop the VT-4Control Max for Live device on Track1/VT-4
- On Track2/MIDI_notes configure [MIDI From] as {All-Ins} or with the specific MIDI input controller
- On Track2/MIDI_notes configure [MIDI To] to {VT-4}
- Arm Track2/MIDI_notes for recording

Use of Presets

- [Write] to save current presets to a Sound Bank (file must have the “.maxpresets” extension)
- [Read] to load a Sound Bank (file must have the “.maxpresets” extension)
- [Erase all] to erase all presets in the slots
- [Dump] to synchronize unit and VT4Control plugin (in case on board unit presets are selected)
- SHIFT + CLICK on a slot creates a preset (or replaces an existing one)
- CLICK on a slot recalls a stored preset
- SHIFT + {ALT | OPTION} + CLICK on a slot deletes a stored preset slot

Remarks

- If you use USB MIDI, units control are auto mapped to VT4Control parameters with exception of [Pitch] (cannot be auto-mapped)
- If you use DIN MIDI, units control CANNOT be auto mapped to VT4Control parameters (communication is **one way** from plugin to unit)
- If you use Input MIDI Track setup option A, input MIDI note 1 (the first received) is used to modulate the Robot voice (MIDI input arrow becomes blue on the VT4Control plugin)
- If you use Input MIDI Track setup option A, input MIDI notes 2, 3 and 4 (additional notes received) are used to modulate the Harmonizer if enabled (MIDI input arrow becomes blue on the VT4Control plugin)
- If you use Input MIDI Track setup option B the units manages MIDI notes and the Harmonizer remains ON even if you release the MIDI input

VT4 Control MIDI Program Change (PC) messages support

- MIDI Program change 1 sent to the VT4Control plugin sets the unit into Manual mode
- MIDI Program changes 2 to 9 sent to the VT4Control plugin select on board presets 1 to 8
- MIDI Program changes above 9 sent to the VT4Control plugin select a VT4Control preset slot on the Sound Bank (PC 10 = slot 1, PC11 = slot2, etc.)

VT4 Control MIDI Control Change (CC) messages support

CC	Parameter	Type	Min_MDI	Max_MIDI	Type	Min_SFW	Max_SFW	Scaled
1	MODULATION	Hardware	0	127	Value	0	127	N
46	VOLUME	Hardware	0	127	Value	0	127	N
47	MIC SENS	Hardware	0	127	Value	0	127	N
48	KEY	Hardware	0	11	Value	0	11	N
49	ROBOT	Hardware	0	127	On/Off	0	127	N
50	MEGAPHONE	Hardware	0	127	On/Off	0	127	N
51	BYPASS	Hardware	0	127	On/Off	0	127	N
52	VOCODER	Hardware	0	127	On/Off	0	127	N
53	HARMONY	Hardware	0	127	On/Off	0	127	N
54	FORMANT	Hardware	0	127	Value	0	255	Y
55	AUTO PITCH	Hardware	0	127	Value	0	255	Y
56	BALANCE	Hardware	0	127	Value	0	255	Y
57	REVERB	Hardware	0	127	Value	0	255	Y
58	LINE OUT SELECT	Hardware	0	127	On/Off	0	127	N
60	Equalizer Low Shelf Frequency	Software	0	127	Value	0	127	N
61	Equalizer Low Shelf Gain	Software	0	40	Value	0	40	N
62	Equalizer Mid/Low Frequency	Software	0	127	Value	0	127	N
63	Equalizer Mid/Low Q	Software	0	127	Value	0	127	N
64	Equalizer Mid/Low Gain	Software	0	40	Value	0	40	N
65	Equalizer Mid/High Frequency	Software	0	127	Value	0	127	N
66	Equalizer Mid/High Q	Software	0	127	Value	0	127	N
67	Equalizer Mid/High Gain	Software	0	40	Value	0	40	N
68	Equalizer High Shelf Frequency	Software	0	127	Value	0	127	N
69	Equalizer High Shelf Gain	Software	0	40	Value	0	40	N
70	Equalizer On	Software	0	127	On/Off	0	127	N
71	LFO Rate	Software	0	127	Value	0	127	N
72	LFO Intensity	Software	0	127	Value	0	127	N
73	LFO Type	Software	0	2	Value	0	2	N
74	XY x_coord	Software	0	127	Value	0	127	N
75	XY y_coord	Software	0	127	Value	0	127	N
76	MODULATION RATE	Hardware	0	127	Value	0	127	N
79	ROBOT VARIATION	Hardware	0	7	Value	0	7	N
80	MEGAPHONE VARIATION	Hardware	0	7	Value	0	7	N
81	VOCODER VARIATION	Hardware	0	7	Value	0	7	N
82	HARMONY VARIATION	Hardware	0	7	Value	0	7	N
83	REVERB VARIATION	Hardware	0	7	Value	0	7	N
84	Global Amp level	Software	0	127	Value	0	255	Y
85	Robot Octave	Software	0	3	Value	0	3	N