TC·HELICON

VOCAL TECHNOLOGIES ®

TC-IVL Ventures Inc.

TC-Helicon VoiceWorks 1.09 Software Update Information

Purpose

This document summarizes changes for the VoiceWorks 1.09 software update release.

Summary of Changes

VoiceWorks now features a new MIDI control mode suited for users wanting a light and generic form of CC control.

In *addition* to the original advanced CC control scheme, VW offers a simplified mode of CC control called **GM Basic** mode. Using this mode, the VW responds to a reduced set of core CC controls, so to simplify and improve compatibility with a wider range of generic standard MIDI files and hardware MIDI arranger products. See the table at the end of this document for a description of both maps.

VW also includes a new global chord mode so that the last chord root and type entered via MIDI can be retained when flipping through presets.

Refer to the updated VoiceWorks SYSEX manual (1.4) for changes to the SYSEX Setup package.

Manual Changes: Page 20, New Setup Parameters

CC Ctrl
Sets the CC control map to Advanced, GM Basic, or Off. When using standard MIDI files or general MIDI hardware arranger products not specifically designed for VoiceWorks, this parameter should be set to GM Basic. The GM Basic map ensures maximum compatibility with files that use MIDI CCs that would otherwise interfere with VoiceWorks' standard set of CC controls. Off should be selected when you wish to prevent all external CCs from interfering with VoiceWorks' operation. Refer to the MIDI Implementation chart for descriptions of the Advanced and GM Basic CC maps.

Global Chord
On, Off. Setting this parameter to On causes VoiceWorks to retain the current chord type and root when switching through chordal presets. When Off, VoiceWorks will always reset the chord type and root to whatever is stored in the recalled preset.

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VoiceWorks Advanced and GM-Basic CC Maps

Note: Please refer to the manual for parameter descriptions and ranges.

Parameter Name	Advanced Map	GM Basic Map
Voice 1 Level	11	46
Voice 1 Voicing	12	14
Voice 1 Gender	13	29
Voice 1 Vibrato Style	89	89
Voice 1 Vibrato Amount	90	90
Voice 1 Pan	16	16
Voice 2 Level	17	17
Voice 2 Voicing	18	18
Voice 2 Gender	19	19
Voice 2 Vibrato Style	92	61
Voice 2 Vibrato Amount	93	62
Voice 2 Pan	20	20
Voice 3 Level	21	21
Voice 3 Voicing	22	22
Voice 3 Gender	23	23
Voice 3 Vibrato Style	94	88
Voice 3 Vibrato Amount	15	15
Voice 3 Pan	24	24
Voice 4 Level	25	25
Voice 4 Voicing	26	26
Voice 4 Gender	27	27
Voice 4 Vibrato Style	3	3
Voice 4 Vibrato Amount	105	105
Voice 4 Pan	28	28
Harmony Mode	29	Ignored
Harmony Root	30	30
Harmony Type	31	31
Harmony Level	35	12
Harmony Smooth	36	116
Harmony Lead	37	Ignored
Harmony Style	40	Ignored
Harmony Style Amount	41	41
Harmony Tuning	42	Ignored
Harmony Portamento	43	84
Harmony Latch	95	35
Harmony Notes Attack Time	44	73
Harmony Notes Release Time	45	72
Thicken Level	47	Ignored
Thicken Detune	48	Ignored
Thicken Spread	49	Ignored
Effects Level	50	91
Effects Reverb/Delay Mix	51	51
Effects Lead to Reverb Send	52	52

Effects Harmony to Reverb Send	53	53
Effects Aux to Reverb Send	54	Ignored
Effects Lead to Delay Send	55	55
Effects Harmony to Delay Send	56	56
Effects Aux to Delay Send	57	Ignored
Effects Delay to Reverb Send	58	58
Effects Reverb Type	59	59
Effects Reverb Predelay Time	60	Ignored
Effects Reverb Decay Time	61	Ignored
Effects Reverb Low Colour	62	Ignored
Effects Reverb High Colour	46	Ignored
Effects Delay Type	63	63
Effects Delay Time	14	Ignored
Effects Tempo Source	116	Ignored
Effects Delay Feedback	65	45
Effects Delay Damp	66	Ignored
Correction Root	67	47
Correction Scale	68	48
Correction Window	69	49
Correction Attack	70	54
Correction Amount	71	57
Setup Dry Level	72	13
Setup Lead Pan	73	10
Setup Low Cut	74	Ignored
Setup Dynamics Routing	75	60
Setup Compressor Threshold	76	Ignored
Setup Compressor Ration	77	Ignored
Setup Gate	78	Ignored
Setup EQ Routing	79	44
Setup Low Frequency	80	80
Setup Low Boost	81	81
Setup High Frequency	82	82
Setup High Boost	83	83
Setup Mid Frequency	84	50
Setup Mid Boost	85	85
Setup Mid Q	86	86
Setup Output Level	87	87
Setup Global Effects	88	Ignored
Setup FootSwitch 1 Assignment	102	102
Setup FootSwitch 2 Assignment	103	103
Setup FootSwitch 3 Assignment	104	104
Voice 1 Bypass	106	106
Voice 2 Bypass	107	107
Voice 3 Bypass	108	108
Voice 4 Bypass	109	109
Harmony Bypass	110	110
Thicken Bypass	111	111

Effects Bypass	112	112
Correction Bypass	113	113
Bypass All	114	114
Song Step Forward	115	115
Song Step Backward	9	9
Global Vibrato	1	1
Correction Custom Scale LSB	117	117
Correction Custom Scale MSB	118	118
Harmony Hold CC Control	119	119
Sustain Pedal	64	64