





## Super Edit Mode

You might wonder how the developers and product managers at TC-Helicon authored patches for VoiceTone Create. Similar to methods used on other products, a special mode was created for setting advanced parameters. In and around the office, this mode in VoiceTone Create was called Super Edit Mode. Super Edit Mode allows access to dozens of parameters per effect. These parameters are used to design any of the 99 patches in Create. While using this mode during final design we recognized it's a powerful feature for an advanced or just plain curious user.

Super Edit Mode is not for the faint of heart. Unlike the simple user interface for VoiceTone Create, this mode was created to allow the extensive parameter set of the patches to be authored. The team responsible for creating patches took some time to get familiar with this mode. But have fun, you can always restore your product to its factory state as noted under Button functions.

### General Description

When in Super Edit Mode it is possible to edit the factory patches including their default Tweak X and Y assignments. This guide is an important reference to know how to edit in the mode, but also to translate the Numeric LED display values to parameters IDs.

### Entering Super Edit Mode

To enter the mode, hold down "Performance 2" when connecting power to Create and wait until it boots up. All five Performance Buttons will flash, then the display will show Patch 1, and "Performance 1" will be lit.

### Restoring to Factory Patches

While in Super Edit Mode you can restore to factory patches by press and holding Performance Button 5. All edits will be lost.

### Knob Functions

Knob	Function	Comment
Patch	Factory Patch Select	
Tweak X	Parameter ID	refer to Parameter ID chart in this document to see the name of the parameter
Tweak Y	Parameter Value	Parameter Values are mapped to the pots and displayed as values from 0 to 99 (soft-pickup), unless the range is less than 99 for a given parameter.
Mix	Mix	Value is not stored in patch

Note:

- If a parameter value is flashing, it's currently under the control of either Tweak X or Y. Editing a flashing value will have no effect, because the master tweak control will override your changes.
- Adjusting the Parameter ID knob will cause the display to show the new Parameter ID, then its current value will be displayed for a short period.

### Button Functions

Control	Press Button Function	Hold Button Function
Performances 1	Preset Down	Zero All Mixers
Performances 2	Preset Up	Zero all Sends and Centre Pans
Performances 3	Parameter ID Down	Store Preset
Performances 4	Parameter ID Up	Reserved for service
Performances 5	Reserved for service	Restore All Factory Presets (**you will lose all changes)
Left Foot Switch	Paste Preset from Clip Board	Copy Preset to Clip Board
Right Foot Switch	Bypass (except when tap tempo is activated)	Engage/Disengage Tap Tempo Mode

### Parameter IDs

Parameter Name	ID
MicroModMixer Dry Send	0
MicroModMixer Transducer Send	1
DelayMixer Dry Send	2



DelayMixer Dry Pan	3
DelayMixer Transducer Send	4
DelayMixer Transducer Pan	5
DelayMixer MicroMod Send	6
DelayMixer MicroMod Pan	7
ReverbMixer Dry Send	8
ReverbMixer Transducer Send	9
ReverbMixer Delay Send	10
FinalMixer Dry Level	11
FinalMixer Transducer Level	12
FinalMixer MicroMod Level	13
FinalMixer Delay Level	14
FinalMixer Reverb Level	15
FinalMixer MicroMod Width	16
FinalMixer Delay Width	17
FinalMixer Reverb Width	18
FinalMixer MicroMod Phase	19
Delay Style	20
Delay Source	21
Delay Tempo	22
Delay Time L	23
Delay Time R	24
Delay Division L	25
Delay Division R	26
Delay Feedback L	27
Delay Feedback R	28
Delay Cross Feedback Left to Right	29
Delay Cross Feedback Right to Left	30
Delay Low Cut L	31
Delay Low Cut R	32
Delay High Cut L	33
Delay High Cut R	34
MicroMod Style	35
MicroMod Detune Left	36
MicroMod Detune Right	37
MicroMod Mod Depth L	38
MicroMod Mod Depth R	39
MicroMod Mod Speed	40
MicroMod Mod L/R Phase	41
MicroMod Mod Wave	42
MicroMod Delay Left	43
MicroMod Delay Right	44
MicroMod Feedback L	45
MicroMod Feedback R	46
MicroMod X Feedback L	47
MicroMod X Feedback R	48
MicroMod Low Cut L	49



MicroMod Low Cut R	50
MicroMod High Cut L	51
MicroMod High Cut R	52
MicroMod Phase Inverse	53
Reverb Style	54
Reverb Pre Delay	55
Reverb Decay Offset Delay	56
Reverb Room Level	57
Reverb Decay Time	58
Reverb Lo Color	59
Reverb Hi Color	60
Reverb Tail Level	61
Reverb Tail Type	62
Reverb Room Shape	63
Reverb Room Size	64
Transducer Style	65
Transducer Routing	66
Transducer Distortion Amount	67
Transducer PreGain	68
Transducer PostGain	69
Transducer Low Cut	70
Transducer High Cut	71
Transducer Distortion Type	72
Modifier Modifier Default-X	87
Modifier Modifier Default-Y	88
Modifier Modifier Map Link	89

## Tweak XY Maps

Map ID	Parameter Name	Tweak Knob
		0 or 1 (x or y)
1	FinalMixer	uModLevel 0
	FinalMixer	ReverbLevel 1
2	FinalMixer	ReverbLevel 0
	FinalMixer	DelayLevel 1
3	Reverb	Decay_Time 0
	FinalMixer	ReverbLevel 1
4	Reverb	Decay_Time 0
	Reverb	Pre_Delay 1
5	Transducer	BandLimitHP 0
	Transducer	BandLimitLP 0
	Reverb	Decay_Time 1
6	FinalMixer	uModLevel 0
	FinalMixer	ReverbLevel 1
7	Reverb	Style 0
	Reverb	Pre_Delay 1
8	FinalMixer	uModLevel 0
	FinalMixer	ReverbLevel 1



9	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
10	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
11	Reverb	Style	0
	FinalMixer	ReverbLevel	1
12	Reverb	Pre_Delay	0
	Reverb	Decay_Time	1
13	Reverb	Room_Level	0
	Reverb	Tail_Level	1
14	Reverb	Lo_Color	0
	Reverb	Hi_Color	1
15	Reverb	Room_Level	0
	Reverb	Tail_Level	1
16	Reverb	Room_Level	0
	Reverb	Tail_Level	1
17	Reverb	Pre_Delay	0
	Reverb	Decay_Time	1
18	Reverb	Pre_Delay	0
	Reverb	Decay_Time	1
19	Reverb	Room_Level	0
	Reverb	Tail_Level	1
20	Reverb	Style	0
	Delay	XFB_R_L	1
21	Delay	Left_FB	0
	Delay	Right_FB	0
	Delay	Hi_Cut_L	1
	Delay	Hi_Cut_R	1
22	Delay	Left_FB	0
	Delay	Right_FB	0
	Delay	Hi_Cut_L	1
	Delay	Hi_Cut_R	1
23	Delay	Left_FB	0
	Delay	Right_FB	0
	DelayMixer	DryPan	1
24	Delay	Right_FB	0
	Virtual_Tweak	Division_Simple	1
25	Virtual_Tweak	Division_Special	0
	Delay	XFB_R_L	1
26	Delay	Delay_Time_L	0
	Delay	Delay_Time_R	0
	FinalMixer	DelayLevel	1
27	Delay	Delay_Time_L	0
	FinalMixer	DelayLevel	1
28	Delay	Left_FB	0
	Delay	Right_FB	0
	MicroMod	Style	1



29	Delay	Left_FB	0
	Delay	Right_FB	0
	Transducer	Style	1
30	Delay	Left_FB	0
	Delay	Right_FB	0
	Virtual_Tweak	Division_Simple	1
31	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
32	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
33	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
34	MicroMod	FB_L	0
	MicroMod	FB_R	0
	MicroMod	Mod_Depth_L	1
	MicroMod	Mod_Depth_R	1
35	FinalMixer	uModLevel	0
	MicroMod	FB_L	1
	MicroMod	FB_R	1
36	MicroMod	Mod_Speed	0
	MicroMod	Mod_Depth_L	1
	MicroMod	Mod_Depth_R	1
37	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
38	FinalMixer	uModLevel	0
	MicroMod	FB_L	1
	MicroMod	FB_R	1
39	MicroMod	Detune_L	0
	MicroMod	Detune_R	0
	MicroMod	FB_L	1
	MicroMod	FB_R	1
40	MicroMod	Mod_Speed	0
	MicroMod	FB_L	1
	MicroMod	FB_R	1
41	Transducer	PostGain	0
	Transducer	BandLimitHP	1
	Transducer	BandLimitLP	1
42	Delay	Delay_Time_L	0
	Delay	Delay_Time_R	0
	Transducer	BandLimitHP	1
	Transducer	BandLimitLP	1
43	Transducer	DistortionAmount	0
	Transducer	PostGain	1
44	Transducer	BandLimitHP	0
	FinalMixer	ReverbLevel	1
45	Transducer	PreGain	0
	Transducer	PostGain	1
46	Transducer	PreGain	0
	Transducer	PostGain	1



47	Transducer	PreGain	0
	Transducer	PostGain	1
48	Transducer	DistortionType	0
	Transducer	PreGain	1
49	Transducer	DistortionAmount	0
	Transducer	BandLimitHP	1
50	Transducer	DistortionAmount	0
	Transducer	BandLimitHP	1
	Transducer	BandLimitLP	1
51	FinalMixer	ReverbLevel	0
	Virtual_Tweak	Division_Simple	1
52	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
53	FinalMixer	DelayLevel	0
	MicroMod	Style	1
54	Reverb	Style	0
	Reverb	Pre_Delay	1
55	FinalMixer	DelayLevel	0
	FinalMixer	ReverbLevel	1
56	Reverb	Hi_Color	0
	Reverb	Decay_Time	1
57	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
58	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
59	FinalMixer	ReverbLevel	0
	Transducer	BandLimitHP	1
	Transducer	BandLimitLP	1
60	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
61	FinalMixer	ReverbLevel	0
	Transducer	DistortionAmount	1
62	Virtual_Tweak	Division_Special	0
	Transducer	DistortionAmount	1
63	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
64	FinalMixer	uModLevel	0
	Delay	Delay_Time_L	1
	Delay	Delay_Time_R	1
65	FinalMixer	uModLevel	0
	Reverb	Style	1
66	MicroMod	Style	0
	FinalMixer	uModLevel	1
67	FinalMixer	uModLevel	0
	Transducer	BandLimitHP	1
68	FinalMixer	uModLevel	0
	Transducer	DistortionAmount	1



69	MicroMod	Style	0
	Transducer	Style	1
70	Reverb	Style	0
	Reverb	Pre_Delay	1
71	Reverb	Hi_Color	0
	Reverb	Decay_Time	1
72	Transducer	BandLimitHP	0
	Transducer	BandLimitLP	0
	FinalMixer	ReverbLevel	1
73	Reverb	Lo_Color	0
	Reverb	Decay_Time	1
74	Reverb	Room_Level	0
	Reverb	Pre_Delay	1
75	FinalMixer	DelayLevel	0
	Delay	Left_FB	1
	Delay	Right_FB	1
76	Reverb	Pre_Delay	0
	FinalMixer	ReverbLevel	1
77	FinalMixer	DelayLevel	0
	FinalMixer	ReverbLevel	1
78	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1
79	Delay	Delay_Time_L	0
	Delay	Delay_Time_R	0
	FinalMixer	DelayLevel	1
80	Transducer	BandLimitHP	0
	Transducer	DistortionAmount	1
81	Reverb	Hi_Color	0
	Reverb	Decay_Time	1
82	Reverb	Hi_Color	0
	Reverb	Decay_Time	1
83	Delay	Delay_Time_L	0
	Delay	Delay_Time_R	0
	Reverb	Decay_Time	1
84	Delay	Delay_Time_L	0
	Delay	Delay_Time_R	0
	Delay	XFB_R_L	1
85	Reverb	Hi_Color	0
	Reverb	Decay_Time	1
86	Delay	Hi_Cut_L	0
	Delay	Hi_Cut_R	0
	Delay	Delay_Time_L	1
	Delay	Delay_Time_R	1
87	Virtual_Tweak	Division_Special	0
	Delay	XFB_R_L	1
88	FinalMixer	uModLevel	0
	FinalMixer	ReverbLevel	1



89	Reverb	Hi_Color	0
	Reverb	Decay_Time	1
90	Transducer	BandLimitHP	0
	Transducer	BandLimitLP	0
	Reverb	Decay_Time	1
91	Delay	Delay_Time_R	0
	Delay	Right_FB	1
92	Transducer	DistortionAmount	0
	FinalMixer	DelayLevel	1
93	Delay	Right_FB	0
	MicroMod	Mod_Speed	1
94	Reverb	Style	0
	Reverb	Decay_Time	1
95	Transducer	Style	0
	MicroMod	Style	1
96	FinalMixer	uModLevel	0
	ReverbMixer	DelaySend	1
97	Transducer	BandLimitHP	0
	Transducer	BandLimitLP	0
	Delay	Left_FB	1
	Delay	Right_FB	1
98	Transducer	BandLimitHP	0
	Transducer	DistortionAmount	1
99	Transducer	Style	0
	FinalMixer	ReverbLevel	1