

Note On/Off (decimal)	Note On/Off (hex)	No Modifier	M1	M2	M3	M4	Numeric Mode	M1 + Numeric Mode	MC_LOOP pressed	MC_SCRUB pressed	Edit Mode	Edit Mode + M1
40	0x28	MC_PARAM	Shows Track Parameters									
41	0x29	MC_SEND	Shows Send Assignments									
42	0x2A	MC_PAN	Shows Pan Settings									
43	0x2B	MC_PLUGINS	Switches to first Plugin	Switch to controlling Synth Rack								
44	0x2C	MC_EQ	Switches to first EQ effect									
45	0x2D	MC_DYNAMICS	Switches to first Compressor effect									
46	0x2E	MC_BANK_DOWN	Go left 8 tracks – Moves track/bus assignment up by 8							Switch to controlling Tracks, Unless in Plugin Mode, then Go left by one plugin	Switch to controlling Tracks, Unless in Plugin Mode, then Go left by one plugin	
47	0x2F	MC_BANK_UP	Go right 8 tracks – Moves track/bus assignment down by 8							Switch to controlling Tracks, Unless in Plugin Mode, then Go left by one plugin	Switch to controlling Tracks, Unless in Plugin Mode, then Go left by one plugin	
48	0x30	MC_CHANNEL_DOWN	Go left one track – Moves track/bus assignment down by 1	Assign master fader to previous Vmain								
49	0x31	MC_CHANNEL_UP	Go right one track – Moves track/bus assignment down by 1	Assign master fader to next Vmain								
50	0x32	MC_FLIP	Swaps Fader/V-Pot control	Toggles display flip								
51	0x33	MC_EDIT	Enter/Leave Edit Mode	Enter/Leave Numeric Mode								
52	0x34	MC_NAME_VALUE	Toggle displaying names/values	Toggle display track numbers	Toggle display level meters	Toggle display updates	Force Refresh of this Module					
53	0x35	MC_SMPTE_BEATS	Toggle Time Display format	Show Big Time within Cakewalk			Force Refresh of all Modules					
54	0x36	MC_F1	User Definable	Cut			Reload Plugin Mappings	Keypress 1				
55	0x37	MC_F2	User Definable	Copy	Cut Special Dialog	Export Track Template	Copy Special + Click OK	Keypress 2				
56	0x38	MC_F3	User Definable	Paste	Paste Special Dialog	Import Track Template	Paste Special + Click OK	Keypress 3				
57	0x39	MC_F4	User Definable	Delete				Keypress 4				
58	0x3A	MC_F5	User Definable	Spacebar ( play / stop / continue )				Keypress 5				
59	0x3B	MC_F6	User Definable	Alt keypress				Keypress 6				
60	0x3C	MC_F7	User Definable	Tab keypress	SHIFT + Tab keypress			Keypress 7				
61	0x3D	MC_F8	User Definable	Backspace keypress				Keypress 8				
62	0x3E	MC_NEW_AUDIO	Insert a new Audio Track	Clone keypress	Wipe Track	Wipe Track		Keypress 9				
63	0x3F	MC_NEW_MIDI	Insert a new MIDI Track	Clone Track	Delete Track	Clone Track		Keypress 0				
64	0x40	MC_FIT_TRACKS	Fit Tracks to Window	Show All Tracks	Show only Selected Tracks	Show & Fit Selection	Hide Selected Tracks	Keypress -				
65	0x41	MC_FIT_PROJECT	Fit Project to Window					Keypress -				
66	0x42	MC_OK_ENTER	Keypress Return					Keypress Return				
67	0x43	MC_CANCEL	Cancel					Cancel				
68	0x44	MC_NEXT_WIN	Next Window ( CTRL + TAB )	Previous Window ( SHIFT+CTRL+TAB)	File -> Info			Keypress Tab	Keypress SHIFT+TAB			
69	0x45	MC_CLOSE_WIN	Close Window ( CTRL + F4 )	Keypress Backspace	Keypress Spacebar			Keypress Backspace	Keypress Spacebar			
70	0x46	MC_M1	( used as modifier – is engaged while Note On )									
71	0x47	MC_M2	( used as modifier – is engaged while Note On )									
72	0x48	MC_M3	( used as modifier – is engaged while Note On )									
73	0x49	MC_M4	( used as modifier – is engaged while Note On )									
74	0x4A	MC_READ_OFF	Enable/Disable Automation Playback	Enable/Disable Faders								
75	0x4B	MC_SNAPSHOT	Take an automation snapshot of all armed controls									
76	0x4C	MC_TRACK	Switch to controlling Tracks	Export Track Template dialog	Import Track Template Dialog	Bounce to Tracks	Bounce to Clips					
77	0x4D	MC_DISARM	Disarm all armed parameters	Disarm all tracks								
78	0x4E	MC_OFFSET	Toggle Offset Mode	Set all faders to default	Set all Vpots to default							
79	0x4F	MC_SAVE	File -> Save	File -> Save As	File -> Save Copy As	Export Audio Dialog						
80	0x50	MC_AUX	Switch to controlling Buses									
81	0x51	MC_MAIN	Switch to controlling Hardware Outs									
82	0x52	MC_UNDO	Edit -> Undo	Show Undo History	Undo View Change	Reject Loop Take						
83	0x53	MC_REDO	Edit -> Redo		Redo View Change ( SHIFT + U)							
84	0x54	MC_MARKER	Switch to Marker Navigation Mode	Insert Markers	Transport   Loop / Auto Shuttle	Open Markers View						
85	0x55	MC_LOOP	Switch to Loop Navigation Mode	Transport   Loop / Auto Shuttle	Set Loop from Selection							
86	0x56	MC_SELECT	Switch to Selection Navigation Mode	Select Current Track	Extend Select Current Track	Edit -> Select All	Edit -> Select None					
87	0x57	MC_PUNCH	Switch to Punch Navigation Mode	Switch to Realtime Record mode	Set Punch from selection							
88	0x58	MC_LOOP_ON_OFF	Toggle Loop Mode ( only triggers when Note Off is received )	Toggle Loop Mode ( only triggers when Note Off is received )	Transport   Loop / Auto Shuttle							
89	0x59	MC_HOME	Go to start of project	Go to end of project	Go to end of project							
90	0x5A	MC_REWIND	see navigation modes...							Insert Marker	Insert Marker	
91	0x5B	MC_FAST_FORWARD	see navigation modes...							Insert Marker	Insert Marker	
92	0x5C	MC_STOP	Transport Stop	MIDI Panic	Reject Loop Take							
93	0x5D	MC_PLAY	Transport Play	Start Audio Engine								
94	0x5E	MC_RECORD	Transport Record	Record Automation	Switch to Realtime Record mode							
95	0x5F	MC_CURSOR_UP	see cursor modes..							Edit -> Undo	Edit -> Undo	
96	0x60	MC_CURSOR_DOWN	see cursor modes..									
97	0x61	MC_CURSOR_LEFT	see cursor modes..									
98	0x62	MC_CURSOR_RIGHT	see cursor modes..									
99	0x63	MC_CURSOR_ZOOM	Enter/Leave Zoom Mode									
100	0x64	MC_SCRUB	Toggle Scrub Mode ( see nanoKONTROL section )									
101	0x65	MC_USER_A	User Definable ( Footswitch A)									
102	0x66	MC_USER_B	User Definable ( Footswitch B)									

Navigation Modes															
Normal Mode			Marker Mode			Loop Mode			Selection Mode			Punch Mode			
MC_REWIND	Rewind	Jump to Previous Marker	MC_FAST_FORWARD	Fast Forward	Jump to Next Marker	MC_LOOP_ON	Jump to Start of Loop	MC_LOOP_OFF	Jump to End of Loop	MC_SELECT	Jump to Start of Selection	MC_PUNCH	Jump to punch in position	MC_PUNCH_OUT	Jump to punch out position
Cursor Modes															
MC_CURSOR_UP	Normal Mode	Normal Mode + M1	MC_CURSOR_DOWN	Keypress Up	Keypress "Page Up"	MC_CURSOR_LEFT	Keypress Down	Keypress "Page Down"	MC_CURSOR_RIGHT	Keypress Left	Keypress SHIFT + TAB	MC_CURSOR_ZOOM	Keypress Right	Keypress TAB	
*This includes EQ / DYNAMICS / Synth Rack mode															
MC_CURSOR_UP	Zoom Mode	Zoom Mode + M1	MC_CURSOR_DOWN	Decrease Track Height	Scale Waveforms All Tracks	MC_CURSOR_LEFT	Increase Track Height	Scale Waveforms All Tracks	MC_CURSOR_RIGHT	Zoom in Horizontally	Scale Waveforms Current Track	MC_CURSOR_ZOOM	Zoom out Horizontally	Scale Waveforms Current Track	
KORG nanoKONTROL 2 / nanoKONTROL Studio															
When using the nanoKONTROL 2, the MC_LOOP_ON_OFF button (note 0x58) behaves as a modifier. To facilitate this, the loop on/loop off behaviour is only triggered on receiving the N															
On the nanoKONTROL Studio, the MC_SCRUB button behaves in a similar way. For this to work on the nanoKONTROL Studio:															
1. The "Scene" button must be configured to be the Scrub button within the KORG Kontrol Editor.															
2. The "Use Scrub+Bank Down/Up to select Tracks/Buses" option should be enabled within Cakewalk's Mackie Control panel.															
Additional parameters can be accessed using the "Scene" (MC_SCRUB) button on the nanoKONTROL Studio (if configured as scrub) or the Cycle (MC_LOOP_ON_OFF) button															
On the nanoKONTROL 2:															

