

# Mackie Control Protocol Software Mappings

OK, so as we know, the Mackie Protocol (as opposed to Logic control) is now supported by a whole slew of audio applications (to varying extent). The way in which each button works with each software package is similar in some cases, but generally quite different. (example: the Logic “Global view-MIDI tracks” is also “Bank A” -(reason), “D4 (assignable)” -(Live), “New Track-Audio” -(Sonar), etc. I did a little reconnaissance at the Mackie website, and have compiled a list of functions-assigned-to-buttons:

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| MIDI Output | Ableton Live    | Adobe Audition      | Cakewalk (Sonar)    | Midibox (Logic)     | Mackie (Tracktion) | Mackie Universal | MOTU (Digital Performer) | Propellerhead (Reason) | ProTools HUI    | SAW Studio          | Steinberg           | Sony (Vegas)        |
|-------------|-----------------|---------------------|---------------------|---------------------|--------------------|------------------|--------------------------|------------------------|-----------------|---------------------|---------------------|---------------------|
| Ch1 C 1     | Select Chn#1    | Select Chn#1        | Select Chn#1        | Select Chn#1        | Select Chn#1       | Select Chn#1     | Select Chn#1             | Select Chn#1           | Select Chn#1    | Select Chn#1        | Select Chn#1        | Select Chn#1        |
| Ch1 C# 1    | Select Chn#2    | Select Chn#2        | Select Chn#2        | Select Chn#2        | Select Chn#2       | Select Chn#2     | Select Chn#2             | Select Chn#2           | Select Chn#2    | Select Chn#2        | Select Chn#2        | Select Chn#2        |
| Ch1 D 1     | Select Chn#3    | Select Chn#3        | Select Chn#3        | Select Chn#3        | Select Chn#3       | Select Chn#3     | Select Chn#3             | Select Chn#3           | Select Chn#3    | Select Chn#3        | Select Chn#3        | Select Chn#3        |
| Ch1 D# 1    | Select Chn#4    | Select Chn#4        | Select Chn#4        | Select Chn#4        | Select Chn#4       | Select Chn#4     | Select Chn#4             | Select Chn#4           | Select Chn#4    | Select Chn#4        | Select Chn#4        | Select Chn#4        |
| Ch1 E 1     | Select Chn#5    | Select Chn#5        | Select Chn#5        | Select Chn#5        | Select Chn#5       | Select Chn#5     | Select Chn#5             | Select Chn#5           | Select Chn#5    | Select Chn#5        | Select Chn#5        | Select Chn#5        |
| Ch1 F 1     | Select Chn#6    | Select Chn#6        | Select Chn#6        | Select Chn#6        | Select Chn#6       | Select Chn#6     | Select Chn#6             | Select Chn#6           | Select Chn#6    | Select Chn#6        | Select Chn#6        | Select Chn#6        |
| Ch1 F# 1    | Select Chn#7    | Select Chn#7        | Select Chn#7        | Select Chn#7        | Select Chn#7       | Select Chn#7     | Select Chn#7             | Select Chn#7           | Select Chn#7    | Select Chn#7        | Select Chn#7        | Select Chn#7        |
| Ch1 G 1     | Select Chn#8    | Select Chn#8        | Select Chn#8        | Select Chn#8        | Select Chn#8       | Select Chn#8     | Select Chn#8             | Select Chn#8           | Select Chn#8    | Select Chn#8        | Select Chn#8        | Select Chn#8        |
| Ch1 C-1     | Rec/Ready Chn#1 | Rec/Ready Chn#1     | Rec/Ready Chn#1     | Rec/Ready Chn#1     | Rec/Ready Chn#1    | Rec/Ready Chn#1  | Rec/Ready Chn#1          | Rec/Ready Chn#1        | Rec/Ready Chn#1 | Rec/Ready Chn#1     | Rec/Ready Chn#1     | Rec/Ready Chn#1     |
| Ch1 C#-1    | Rec/Ready Chn#2 | Rec/Ready Chn#2     | Rec/Ready Chn#2     | Rec/Ready Chn#2     | Rec/Ready Chn#2    | Rec/Ready Chn#2  | Rec/Ready Chn#2          | Rec/Ready Chn#2        | Rec/Ready Chn#2 | Rec/Ready Chn#2     | Rec/Ready Chn#2     | Rec/Ready Chn#2     |
| Ch1 D-1     | Rec/Ready Chn#3 | Rec/Ready Chn#3     | Rec/Ready Chn#3     | Rec/Ready Chn#3     | Rec/Ready Chn#3    | Rec/Ready Chn#3  | Rec/Ready Chn#3          | Rec/Ready Chn#3        | Rec/Ready Chn#3 | Rec/Ready Chn#3     | Rec/Ready Chn#3     | Rec/Ready Chn#3     |
| Ch1 D#-1    | Rec/Ready Chn#4 | Rec/Ready Chn#4     | Rec/Ready Chn#4     | Rec/Ready Chn#4     | Rec/Ready Chn#4    | Rec/Ready Chn#4  | Rec/Ready Chn#4          | Rec/Ready Chn#4        | Rec/Ready Chn#4 | Rec/Ready Chn#4     | Rec/Ready Chn#4     | Rec/Ready Chn#4     |
| Ch1 E-1     | Rec/Ready Chn#5 | Rec/Ready Chn#5     | Rec/Ready Chn#5     | Rec/Ready Chn#5     | Rec/Ready Chn#5    | Rec/Ready Chn#5  | Rec/Ready Chn#5          | Rec/Ready Chn#5        | Rec/Ready Chn#5 | Rec/Ready Chn#5     | Rec/Ready Chn#5     | Rec/Ready Chn#5     |
| Ch1 F-1     | Rec/Ready Chn#6 | Rec/Ready Chn#6     | Rec/Ready Chn#6     | Rec/Ready Chn#6     | Rec/Ready Chn#6    | Rec/Ready Chn#6  | Rec/Ready Chn#6          | Rec/Ready Chn#6        | Rec/Ready Chn#6 | Rec/Ready Chn#6     | Rec/Ready Chn#6     | Rec/Ready Chn#6     |
| Ch1 F#-1    | Rec/Ready Chn#7 | Rec/Ready Chn#7     | Rec/Ready Chn#7     | Rec/Ready Chn#7     | Rec/Ready Chn#7    | Rec/Ready Chn#7  | Rec/Ready Chn#7          | Rec/Ready Chn#7        | Rec/Ready Chn#7 | Rec/Ready Chn#7     | Rec/Ready Chn#7     | Rec/Ready Chn#7     |
| Ch1 G-1     | Rec/Ready Chn#8 | Rec/Ready Chn#8     | Rec/Ready Chn#8     | Rec/Ready Chn#8     | Rec/Ready Chn#8    | Rec/Ready Chn#8  | Rec/Ready Chn#8          | Rec/Ready Chn#8        | Rec/Ready Chn#8 | Rec/Ready Chn#8     | Rec/Ready Chn#8     | Rec/Ready Chn#8     |
| Ch1 G#-1    | Solo Chn#1      | Solo Chn#1          | Solo Chn#1          | Solo Chn#1          | Solo Chn#1         | Solo Chn#1       | Solo Chn#1               | Solo Chn#1             | Solo Chn#1      | Solo Chn#1          | Solo Chn#1          | Solo Chn#1          |
| Ch1 A-1     | Solo Chn#2      | Solo Chn#2          | Solo Chn#2          | Solo Chn#2          | Solo Chn#2         | Solo Chn#2       | Solo Chn#2               | Solo Chn#2             | Solo Chn#2      | Solo Chn#2          | Solo Chn#2          | Solo Chn#2          |
| Ch1 A#-1    | Solo Chn#3      | Solo Chn#3          | Solo Chn#3          | Solo Chn#3          | Solo Chn#3         | Solo Chn#3       | Solo Chn#3               | Solo Chn#3             | Solo Chn#3      | Solo Chn#3          | Solo Chn#3          | Solo Chn#3          |
| Ch1 B-1     | Solo Chn#4      | Solo Chn#4          | Solo Chn#4          | Solo Chn#4          | Solo Chn#4         | Solo Chn#4       | Solo Chn#4               | Solo Chn#4             | Solo Chn#4      | Solo Chn#4          | Solo Chn#4          | Solo Chn#4          |
| Ch1 C 0     | Solo Chn#5      | Solo Chn#5          | Solo Chn#5          | Solo Chn#5          | Solo Chn#5         | Solo Chn#5       | Solo Chn#5               | Solo Chn#5             | Solo Chn#5      | Solo Chn#5          | Solo Chn#5          | Solo Chn#5          |
| Ch1 C# 0    | Solo Chn#6      | Solo Chn#6          | Solo Chn#6          | Solo Chn#6          | Solo Chn#6         | Solo Chn#6       | Solo Chn#6               | Solo Chn#6             | Solo Chn#6      | Solo Chn#6          | Solo Chn#6          | Solo Chn#6          |
| Ch1 D 0     | Solo Chn#7      | Solo Chn#7          | Solo Chn#7          | Solo Chn#7          | Solo Chn#7         | Solo Chn#7       | Solo Chn#7               | Solo Chn#7             | Solo Chn#7      | Solo Chn#7          | Solo Chn#7          | Solo Chn#7          |
| Ch1 D# 0    | Solo Chn#8      | Solo Chn#8          | Solo Chn#8          | Solo Chn#8          | Solo Chn#8         | Solo Chn#8       | Solo Chn#8               | Solo Chn#8             | Solo Chn#8      | Solo Chn#8          | Solo Chn#8          | Solo Chn#8          |
| Ch1 E 0     | Mute Chn#1      | Mute Chn#1          | Mute Chn#1          | Mute Chn#1          | Mute Chn#1         | Mute Chn#1       | Mute Chn#1               | Mute Chn#1             | Mute Chn#1      | Mute Chn#1          | Mute Chn#1          | Mute Chn#1          |
| Ch1 F 0     | Mute Chn#2      | Mute Chn#2          | Mute Chn#2          | Mute Chn#2          | Mute Chn#2         | Mute Chn#2       | Mute Chn#2               | Mute Chn#2             | Mute Chn#2      | Mute Chn#2          | Mute Chn#2          | Mute Chn#2          |
| Ch1 F# 0    | Mute Chn#3      | Mute Chn#3          | Mute Chn#3          | Mute Chn#3          | Mute Chn#3         | Mute Chn#3       | Mute Chn#3               | Mute Chn#3             | Mute Chn#3      | Mute Chn#3          | Mute Chn#3          | Mute Chn#3          |
| Ch1 G 0     | Mute Chn#4      | Mute Chn#4          | Mute Chn#4          | Mute Chn#4          | Mute Chn#4         | Mute Chn#4       | Mute Chn#4               | Mute Chn#4             | Mute Chn#4      | Mute Chn#4          | Mute Chn#4          | Mute Chn#4          |
| Ch1 G# 0    | Mute Chn#5      | Mute Chn#5          | Mute Chn#5          | Mute Chn#5          | Mute Chn#5         | Mute Chn#5       | Mute Chn#5               | Mute Chn#5             | Mute Chn#5      | Mute Chn#5          | Mute Chn#5          | Mute Chn#5          |
| Ch1 A 0     | Mute Chn#6      | Mute Chn#6          | Mute Chn#6          | Mute Chn#6          | Mute Chn#6         | Mute Chn#6       | Mute Chn#6               | Mute Chn#6             | Mute Chn#6      | Mute Chn#6          | Mute Chn#6          | Mute Chn#6          |
| Ch1 A# 0    | Mute Chn#7      | Mute Chn#7          | Mute Chn#7          | Mute Chn#7          | Mute Chn#7         | Mute Chn#7       | Mute Chn#7               | Mute Chn#7             | Mute Chn#7      | Mute Chn#7          | Mute Chn#7          | Mute Chn#7          |
| Ch1 B 0     | Mute Chn#8      | Mute Chn#8          | Mute Chn#8          | Mute Chn#8          | Mute Chn#8         | Mute Chn#8       | Mute Chn#8               | Mute Chn#8             | Mute Chn#8      | Mute Chn#8          | Mute Chn#8          | Mute Chn#8          |
| Ch1 E 2     | Assign I/O      | Assign Track        | Assign Track        | Assign Track        | Assign Pan         | Assign I/O       | Assign Track             | Assign 1               | Pan             | Assign Track        | Assign Track        | Output / Composting |
| Ch1 F 2     | Assign Sends    | Assign Send         | Assign Send         | Assign Send         | Assign Aux         | Assign Sends     | Assign Send              | Assign 2               | Plug-In         | Assign Send         | Assign Send         | Input / Motion Blur |
| Ch1 F# 2    | Assign Pan      | Assign Pan/Surround | Assign Pan/Surround | Assign Pan/Surround | Assign Plug-In     | Assign Pan       | Assign Pan/Surround      | Assign Pan             | Assign          | Assign Pan/Surround | Assign Pan/Surround | Pan / Fade to Color |
| Ch1 G 2     | Assign Plug Ins | Assign Plug In      | Assign Plug In      | Assign Plug In      | Assign Marker      | Assign Plug-Ins  | Assign Plug In           | Assign Aux Ret         | Send            | Assign Plug In      | Assign Plug In      | Sends               |

| MIDI Output | Ableton Live       | Adobe Audition      | Cakewalk (Sonar)    | Midibox (Logic)    | Mackie (Tracktion)  | Mackie Universal   | MOTU (Digital Performer) | Propellerhead (Reason) | ProTools HUI       | SAW Studio         | Steinberg          | Sony (Vegas)                |
|-------------|--------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------------|------------------------|--------------------|--------------------|--------------------|-----------------------------|
| Ch1 G# 2    | Assign Page Left   | Assign EQ           | Assign EQ           | Assign EQ          | Page L              | Assign EQ          | Assign EQ                | Assign Treble          | Input              | Assign EQ          | Assign EQ          | Inserts                     |
| Ch1 A 2     | Assign Page Right  | Assign Instrument   | Assign Instrument   | Assign Instrument  | Page R              | Assign Dyn         | Assign Instrument        | Assign Bass            | Output             | Assign Instrument  | Assign Instrument  | Settings                    |
| Ch1 A# 2    | Bank Left          | Bank Left           | Bank Left           | Bank Left          | Bank Left           | Bank Left          | Bank Left                | Bank Left              | Bank Left          | Bank Left          | Bank Left          | Bank Left                   |
| Ch1 B 2     | Bank Right         | Bank Right          | Bank Right          | Bank Right         | Bank Right          | Bank Right         | Bank Right               | Bank Right             | Bank Right         | Bank Right         | Bank Right         | Bank Right                  |
| Ch1 C 3     | Bank Channel Left  | Bank Channel Left   | Bank Channel Left   | Bank Channel Left  | Bank Channel Left   | Bank Channel Left  | Bank Channel Left        | Bank Channel Left      | Bank Channel Left  | Bank Channel Left  | Bank Channel Left  | Bank Channel Left           |
| Ch1 C# 3    | Bank Channel Right | Bank Channel Right  | Bank Channel Right  | Bank Channel Right | Bank Channel Right  | Bank Channel Right | Bank Channel Right       | Bank Channel Right     | Bank Channel Right | Bank Channel Right | Bank Channel Right | Bank Channel Right          |
| Ch1 D 3     | Flip               | Flip                | Flip                | Flip               | Flip                | Flip               | Flip                     | Flip                   | V-sel              | Flip               | Flip               | Flip                        |
| Ch1 D# 3    | Returns            | Edit                | Edit                | Global View        | Edit                | Edit               | Edit                     | Normal                 | Insert             | Edit               | Edit               | Video mode                  |
| Ch1 A# 4    | Shift              | Show/hide Mixer     | M1                  | Shift              | Shift               | Shift              | Shift                    | <Blank>                | Shift/Add          | No                 | Undo               | Shift                       |
| Ch1 B 4     | Option             | Show/hide Ses.Prop. | M2                  | Option             | Add New Marker      | Option             | Control                  | <Blank>                | Option/All         | Clear Softedge     | Redo               | Option / Track Order        |
| Ch1 C 5     | Control            | Show/hide EQ        | M3                  | Control            | Nudge <             | Control            | Option                   | <Blank>                | Control/Clutch     | Enter              | Save               | Control                     |
| Ch1 C# 5    | Alt                | Show/hide Organizer | M4                  | Cmd/Alt            | Nudge >             | Alt                | Command                  | <Blank>                | Cmd/Alt            | Cancel             | Revert             | Alt                         |
| Ch1 C 6     | Locator Previous   | Play >              | < Marker >          | Marker             | Loop                | < Frm              | RTZ                      | To Left Location       | In/RTZ             | Shift              | Left               | Marker / CD Index           |
| Ch1 C# 6    | Locator Next       | Play (>)            | V Loop /\           | Nudge              | Punch               | Frm >              | < Marker >               | To Right Location      | Out/End            | Ctrl               | Right              | Region / CD Track           |
| Ch1 D 6     | Loop               | Play ∞              | V Select /\         | Cycle              | Click               | Loop               | Edit Grid                | Song Pos               | Loop/Pre           | Alt                | Cycle              | Loop / Select               |
| Ch1 D# 6    | PI                 | Punch In            | V Punch /\          | Drop               | Snap                | PI                 | V Cycle /\               | Left Pos               | Online/Post        | Select Mode        | Punch              | Mark In / Go to in          |
| Ch1 E 6     | PO                 | Anchor L            | Jog Param.          | Replace            | End to end          | PO                 | V Punch /\               | Right Pos              | QPunch             | Auto Mode          | Previous           | Mark Out / Go to out        |
| Ch1 F 6     | Home               | Anchor R            | Loop On/Off         | Click              | Scroll              | Home               | V Select /\              | Loop                   | Cue Mgr            | Offset Mode        | Add                | Event Trim / Center. Cursor |
| Ch1 F# 6    | !!End              | !!Disable           | !!Home              | !!Solo             | !!MTC Chase         | !!End              | !! Solo                  | !!Click                | !!Suspend          | !!Auto-Rew Mode    | !!Next             | !!RTZ / End                 |
| Ch1 G 6     | Rewind             | Rewind              | Rewind              | Rewind             | Rewind              | Rewind             | Rewind                   | Rewind                 | Rewind             | Rewind             | Rewind             | Rewind                      |
| Ch1 G# 6    | FFwd               | FFwd                | FFwd                | FFwd               | FFwd                | FFwd               | FFwd                     | FFwd                   | FFwd               | FFwd               | FFwd               | FFwd                        |
| Ch1 A 6     | Stop               | Stop                | Stop                | Stop               | Stop                | Stop               | Stop                     | Stop                   | Stop               | Stop               | Stop               | Stop                        |
| Ch1 A# 6    | Play               | Play                | Play                | Play               | Play                | Play               | Play                     | Play                   | Play               | Play               | Play               | Play                        |
| Ch1 B 6     | Record             | Record              | Record              | Record             | Record              | Record             | Record                   | Record                 | Record             | Record             | Record             | Record                      |
| Ch1 C 7     | Cursor Up          | Cursor Up           | Cursor Up           | Cursor Up          | Cursor Up           | Cursor Up          | Cursor Up                | Cursor Up              | Cursor Up          | Cursor Up          | Cursor Up          | Cursor Up                   |
| Ch1 C# 7    | Cursor Left        | Cursor Left         | Cursor Left         | Cursor Left        | Cursor Left         | Cursor Left        | Cursor Left              | Cursor Left            | Cursor Left        | Cursor Left        | Cursor Left        | Cursor Left                 |
| Ch1 D# 7    | Zoom               | Zoom                | Zoom                | Zoom               | Zoom                | Zoom               | Zoom                     | Zoom                   | Zoom               | Zoom               | Zoom               | Zoom                        |
| Ch1 E 7     | Cursor Right       | Cursor Right        | Cursor Right        | Cursor Right       | Cursor Right        | Cursor Right       | Cursor Right             | Cursor Right           | Cursor Right       | Cursor Right       | Cursor Right       | Cursor Right                |
| Ch1 F 7     | Cursor Down        | Cursor Down         | Cursor Down         | Cursor Down        | Cursor Down         | Cursor Down        | Cursor Down              | Cursor Down            | Cursor Down        | Cursor Down        | Cursor Down        | Cursor Down                 |
| Ch1 D 7     | !!Scrub Button     | !!Scrub Button      | !!Scrub Button      | !!Scrub Button     | !!Scrub Button      | !!Scrub Button     | !!Scrub Button           | !!Scrub Button         | !!Scrub Button     | !!Scrub Button     | !!Scrub Button     | !!Scrub Button              |
| Ch1 G# 1    | VPot Select Chn#1  | VPot Select Chn#1   | VPot Select Chn#1   | VPot Select Chn#1  | VPot Select Chn#1   | VPot Select Chn#1  | VPot Select Chn#1        | VPot Select Chn#1      | VPot Select Chn#1  | VPot Select Chn#1  | VPot Select Chn#1  | VPot Select Chn#1           |
| Ch1 A 1     | VPot Select Chn#2  | VPot Select Chn#2   | VPot Select Chn#2   | VPot Select Chn#2  | VPot Select Chn#2   | VPot Select Chn#2  | VPot Select Chn#2        | VPot Select Chn#2      | VPot Select Chn#2  | VPot Select Chn#2  | VPot Select Chn#2  | VPot Select Chn#2           |
| Ch1 A# 1    | VPot Select Chn#3  | VPot Select Chn#3   | VPot Select Chn#3   | VPot Select Chn#3  | VPot Select Chn#3   | VPot Select Chn#3  | VPot Select Chn#3        | VPot Select Chn#3      | VPot Select Chn#3  | VPot Select Chn#3  | VPot Select Chn#3  | VPot Select Chn#3           |
| Ch1 B 1     | VPot Select Chn#4  | VPot Select Chn#4   | VPot Select Chn#4   | VPot Select Chn#4  | VPot Select Chn#4   | VPot Select Chn#4  | VPot Select Chn#4        | VPot Select Chn#4      | VPot Select Chn#4  | VPot Select Chn#4  | VPot Select Chn#4  | VPot Select Chn#4           |
| Ch1 C 2     | VPot Select Chn#5  | VPot Select Chn#5   | VPot Select Chn#5   | VPot Select Chn#5  | VPot Select Chn#5   | VPot Select Chn#5  | VPot Select Chn#5        | VPot Select Chn#5      | VPot Select Chn#5  | VPot Select Chn#5  | VPot Select Chn#5  | VPot Select Chn#5           |
| Ch1 C# 2    | VPot Select Chn#6  | VPot Select Chn#6   | VPot Select Chn#6   | VPot Select Chn#6  | VPot Select Chn#6   | VPot Select Chn#6  | VPot Select Chn#6        | VPot Select Chn#6      | VPot Select Chn#6  | VPot Select Chn#6  | VPot Select Chn#6  | VPot Select Chn#6           |
| Ch1 D 2     | VPot Select Chn#7  | VPot Select Chn#7   | VPot Select Chn#7   | VPot Select Chn#7  | VPot Select Chn#7   | VPot Select Chn#7  | VPot Select Chn#7        | VPot Select Chn#7      | VPot Select Chn#7  | VPot Select Chn#7  | VPot Select Chn#7  | VPot Select Chn#7           |
| Ch1 D# 2    | VPot Select Chn#8  | VPot Select Chn#8   | VPot Select Chn#8   | VPot Select Chn#8  | VPot Select Chn#8   | VPot Select Chn#8  | VPot Select Chn#8        | VPot Select Chn#8      | VPot Select Chn#8  | VPot Select Chn#8  | VPot Select Chn#8  | VPot Select Chn#8           |
| Ch1 D 4     | User D4            | Global View         | New Audio Track (9) | Global Tracks      | Fit all tracks      | F9                 | Rec. Click               | Bank A                 | Read/Send A        | Split              | Fader Groups 1     | Add New Track               |
| Ch1 D# 4    | User D#4           | Global Mon. Rec     | New MIDI Track (0)  | Global Inputs      | Zoom out            | F10                | Rec. Countoff            | Bank B                 | Write/Send B       | Split/rem          | Fader Groups 2     | Add New Bus                 |
| Ch1 E 4     | User E4            | Global Cue          | Fit Tracks (+)      | Global Audio Trck  | Prev Mark           | F11                | Rec. Overdub             | Bank C                 | Touch/Send C       | Update             | Fader Groups 3     | Mixer Window                |
| Ch1 F 4     | User F4            | Global Cue List     | Fit Project (-)     | Global Audio Instr | Next Mark           | F12                | Rec. Patch thru          | Bank D                 | Latch/Send D       | Move               | Fader Groups 4     | Vid. Preview Window         |
| Ch1 F# 4    | User F#4           | Global Sel.All      | Dialog Ok/Enter     | Global Aux         | Insert Tempo Change | F13                | Rec. Clear Clip          | Run                    | Trim/Send E        | Stretch            | Fader Groups 5     | Plug-in Window              |
| Ch1 G 4     | User G4            | Global Zoom Full    | Dialog Cancel       | Global Busses      | Projects Screen     | F14                | Trans. Slave to Ext      | <Blank>                | Off/Shift          | Delete             | Fader Groups 6     | Bus Tracks Window           |
| Ch1 G# 4    | User G#4           | Global Close        | Next Window (TAB)   | Global Outputs     | Settings Screen     | F15                | Trans. Memory Link       | Prev Patch             | <Blank>/Mute       | Retake             | Fader Groups 7     | Dock Area Window            |

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|-------------|------------------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|------------------------|-----------------------|-----------------------|-----------------------|---|
| Ch1 A 4     | User A4          | Global Save     | Close Window (Back)   | Global User           | Edit Screen           | F16                   | Trans. Pre/Post Roll     | Next Patch             | Default/Bypass        | Undo/Redo             | Fader Groups 8        | Track List Window                       |
| Ch1 D 5     | View Sess/Arr.   | MT Next Block   | Autom. Read Off       | Autom. Read Off       | Show Meters           | Autom. On             | Autom. Read Off          | Reset Autom            | Auto Enable Fader     | Soft Edge             | Read                  | Automation                              |
| Ch1 D# 5    | View Clip/FX     | MT Split        | Autom. Snapshot       | Autom. Write          | Show Racks            | Autom. Rec/Rdy        | Autom. Touch             | <Blank>                | Auto Enable Mute      | Select Ext            | Write                 | Bypass FX                               |
| Ch1 E 5     | Functions Undo   | MT Trigger      | Control Track         | Autom. Trim           | Show Filters          | Function Undo         | Autom. Trim Touch        | Undo                   | Auto Enable Plug-in   | View Filter           | Sends                 | Metronome                               |
| Ch1 G# 5    | !!Functions BTA  | !!MT SMPTE      | !!Control Aux         | !!Util Save           | !!Util Save           | !!Function Cancel     | !!Project Save           | !!All Mute Off         | !!Util Save           | !!Zero Cross          | !!Instruments         | !! Save                                 |
| Ch1 A 5     | !!Functions Draw | !!MT SMPTE      | !!Control Main        | !!Util Undo           | !!Util Undo           | !!Function Enter      | !!Audible Mode           | !!All Solo Off         | !!Util Undo           | !!Clear Marks         | !!Master              | !! Undo / Redo                          |
| Ch1 F 5     | View Browser     | MT Remove       | Autom. Disarm         | Autom. Touch          | Save                  | Autom. Snapshot       | Autom. Overwrite         | <Blank>                | Auto Enable Pan       | Locate                | Project               | Surround / Ext Monitor                  |
| Ch1 F# 5    | View Detail      | MT Metronome    | Autom. Offset         | Autom. Latch          | Undo                  | Autom. Touch          | Autom. Latch             | <Blank>                | Auto Enable Send      | Select                | Mixer                 | Downmix / Split Screen                  |
| Ch1 G 5     | !!Functions Redo | !!MT < Cursor   | !! Save               | !!Autom. Group        | !!Redo                | !!Function Redo       | !!Autom. Trim Latch      | !!Redo                 | !!Auto En Send Mute   | !!Fade                | !!Motors              | !!Dim Overlays                          |
| Ch1 A#5     | Functions Marker | MT < Nudge      | Undo                  | Util Cancel           | Clear Peaks           | Function Marker       | Undo                     | Mute Track             | Util Esc/Cancel       | Mark Beginning        | Solo Defeat           | OK /Enter                               |
| Ch1 B 5     | Functions Follow | MT Nudge >      | Redo                  | Util Enter            | Freeze/Unfreeze Track | Function Mixer        | Redo                     | Solo Track             | Util Enter            | Mark End              | Shift                 | Cancel                                  |
|             | MBLC Hold Layer  | MBLC Hold Layer | MBLC Hold Layer       | MBLC Hold Layer       | MBLC Hold Layer       | MBLC Hold Layer       | MBLC Hold Layer          | MBLC Hold Layer        | MBLC Hold Layer       | MBLC Hold Layer       | MBLC Hold Layer       | MBLC Hold Layer                         |
| Ch1 F# 3    | User F#3         | Copy            | F1/Cut (1)            | F1                    | Enable Filters        | F1                    | Dialog Enter             | Pattern 1              | Edit                  | 1                     | F1                    | Marker 1/9 / Auto Mode                  |
| Ch1 G 3     | User G3          | Cut             | F2/Copy (2)           | F2                    | Enable Master Filters | F2                    | Dialog Escape            | Pattern 2              | Mix                   | 2                     | F2                    | Marker 2/10 / Pan Mode                  |
| Ch1 G# 3    | User G#3         | Paste           | F3/Paste (3)          | F3                    | Mark In               | F3                    | Track Group              | Pattern 3              | Transport             | 3                     | F3                    | Marker 3/11 / Track Phase               |
| Ch1 A 3     | User A3          | Trim            | F4/Delete (4)         | F4                    | Mark Out              | F4                    | Track Ungroup            | Pattern 4              | Mem Loc               | 4                     | F4                    | Marker 4/12 / Input Monitor             |
| Ch1 A# 3    | User A#3         | Freq            | F5/Space (5)          | F5                    | Cut                   | F5                    | Track Suspend            | Pattern 5              | Auto                  | 5                     | F5                    | Marker 5/13 / Pre/Post                  |
| Ch1 B 3     | User B3          | Phase           | F6/Alt (6)            | F6                    | Copy                  | F6                    | Sequence Edit Window     | Pattern 6              | Monitor/Plugin Assign | 6                     | F6                    | Marker 6/14 / Default                   |
| Ch1 C 4     | User C4          | Spectral        | F7/Tab (7)            | F7                    | Paste                 | F7                    | Trk. Overview Window     | Pattern 7              | Group/Compare         | 7                     | F7                    | Marker 7/15                             |
| Ch1 C# 4    | User C#4         | Insert          | F8/Back (8)           | F8                    | Delete                | F8                    | Mixing Board Window      | Pattern 8              | Create/Bypass         | 8                     | F8                    | Marker 8/16                             |
| Ch1 E 3     | !!Meter          | !!Undo          | !!Display Name/Value  | !!Display Name/Value  | !!CPU%                | !!Display Name/Value  | !!Display Level Meters   | !!Device/Param         | !!Special MackieMan   | !!Session Snapshot    | !!Display Name/Value  | !!Display Meters/Values / Tracks/Busses |
| Ch1 F 3     | !!SMPTE/Beats    | !!Redo          | !!Display Smpte/Beats | !!Display Smpte/Beats | !!SMPTE/Beats         | !!Display Smpte/Beats | !!Display Time Format    | <Blank>                | !!Special Clear Peaks | !!Session Save/Update | !!Display Smpte/Beats | !!Time Format / Set Zero                |

!! = Not implemented in the standard LC application. (don't worry, there are plenty of DINs left...)

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