

# ENIEQMA

# MIDI IMPLEMENTATION

## CONTROL CHANGE

The CC numbers listed in the tables below are the default values. You may assign arbitrary (0 to 127) to each CC functions using the EnieqLab editor software (*Menu > MIDI Configuration*).

| OPERATION            | CC# (default) | Value Range                   |
|----------------------|---------------|-------------------------------|
| EQ bypass / engage   | 0             | Bypass = 0, Engage = 127      |
| EQ-L bypass / engage | 1             | Bypass = 0, Engage = 127      |
| EQ-R bypass / engage | 2             | Bypass = 0, Engage = 127      |
| Booster              | 3             | Off = 0, On = 127             |
| Stereo Expander      | 4             | 0 - 2                         |
| Delay                | 5             | 0 - 127                       |
| Depth                | 6             | 0 - 127                       |
| Preset Up/Down       | 7             | Down = 0, Up = 127            |
| EQ Mode              | 8             | 0 - 5                         |
| EQ Channel Mode      | 9             | Linked = 0, Independent = 127 |
| Boost Channel Mode   | 10            | Linked = 0, Independent = 127 |
| Input Level          | 11            | 0 - 127                       |
| Volume (L)           | 12            | 0 - 127                       |
| Volume (R)           | 13            | 0 - 127                       |
| Boost Level (L)      | 14            | 0 - 127                       |
| Boost Level (R)      | 15            | 0 - 127                       |
| Prototype (L)        | 16            | 0 - N                         |
| Prototype (R)        | 17            | 0 - N                         |

**Stereo Expander**

- 0 = Off
- 1 = Short Delay
- 2 = Dimensional Expansion

**EQ Mode**

- 0 = ParaEQ
- 1 = SimplEQ
- 2 = PultEQ
- 3 = SimplEQ + ParaEQ
- 4 = PultEQ + ParaEQ

**Prototype**

- N = 43 (Parametric EQ)
- N = 11 (Simple EQ)
- N = 11 (Pulteq EQ)

| PARAMETERS                  | CC# (Default) | Value Range |
|-----------------------------|---------------|-------------|
| ParaEQ Type (band 1 - ch.L) | 18            | 0 - 4       |
| ParaEQ Type (band 2 - ch.L) | 19            | 0 - 4       |
| ParaEQ Type (band 3 - ch.L) | 20            | 0 - 4       |
| ParaEQ Type (band 4 - ch.L) | 21            | 0 - 4       |
| ParaEQ Type (band 5 - ch.L) | 22            | 0 - 4       |
| ParaEQ Gain (band 1 - ch.L) | 23            | 0 - 127     |
| ParaEQ Gain (band 2 - ch.L) | 24            | 0 - 127     |
| ParaEQ Gain (band 3 - ch.L) | 25            | 0 - 127     |
| ParaEQ Gain (band 4 - ch.L) | 26            | 0 - 127     |
| ParaEQ Gain (band 5 - ch.L) | 27            | 0 - 127     |

**Parameteric EQ Type**

- 0 = Highpass
- 1 = Low-Shelving
- 2 = Bell
- 3 = High-Shelving
- 4 = Lowpass

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| PARAMETERS                   | CC# (default) | Value Range       |
|------------------------------|---------------|-------------------|
| ParaEQ Q (band 1 - ch.L)     | 28            | 0 - 127           |
| ParaEQ Q (band 2 - ch.L)     | 29            | 0 - 127           |
| ParaEQ Q (band 3 - ch.L)     | 30            | 0 - 127           |
| ParaEQ Q (band 4 - ch.L)     | 31            | 0 - 127           |
| ParaEQ Q (band 5 - ch.L)     | 32            | 0 - 127           |
| ParaEQ Freq (band 1 - ch.L)  | 33            | 0 - 127           |
| ParaEQ Freq (band 2 - ch.L)  | 34            | 0 - 127           |
| ParaEQ Freq (band 3 - ch.L)  | 35            | 0 - 127           |
| ParaEQ Freq (band 4 - ch.L)  | 36            | 0 - 127           |
| ParaEQ Freq (band 5 - ch.L)  | 37            | 0 - 127           |
| ParaEQ state (band 1 - ch.L) | 38            | Off = 0, On = 127 |
| ParaEQ state (band 2 - ch.L) | 39            | Off = 0, On = 127 |
| ParaEQ state (band 3 - ch.L) | 40            | Off = 0, On = 127 |
| ParaEQ state (band 4 - ch.L) | 41            | Off = 0, On = 127 |
| ParaEQ state (band 5 - ch.L) | 42            | Off = 0, On = 127 |

| PARAMETERS                  | CC# (Default) | Value Range |
|-----------------------------|---------------|-------------|
| ParaEQ Type (band 1 - ch.R) | 43            | 0 - 4       |
| ParaEQ Type (band 2 - ch.R) | 44            | 0 - 4       |
| ParaEQ Type (band 3 - ch.R) | 45            | 0 - 4       |
| ParaEQ Type (band 4 - ch.R) | 46            | 0 - 4       |
| ParaEQ Type (band 5 - ch.R) | 47            | 0 - 4       |
| ParaEQ Gain (band 1 - ch.R) | 48            | 0 - 127     |
| ParaEQ Gain (band 2 - ch.R) | 49            | 0 - 127     |
| ParaEQ Gain (band 3 - ch.R) | 50            | 0 - 127     |
| ParaEQ Gain (band 4 - ch.R) | 51            | 0 - 127     |
| ParaEQ Gain (band 5 - ch.R) | 52            | 0 - 127     |
| ParaEQ Q (band 1 - ch.R)    | 53            | 0 - 127     |
| ParaEQ Q (band 2 - ch.R)    | 54            | 0 - 127     |
| ParaEQ Q (band 3 - ch.R)    | 55            | 0 - 127     |
| ParaEQ Q (band 4 - ch.R)    | 56            | 0 - 127     |
| ParaEQ Q (band 5 - ch.R)    | 57            | 0 - 127     |

### Parameteric EQ Type

- 0 = Highpass
- 1 = Low-Shelving
- 2 = Bell
- 3 = High-Shelving
- 4 = Lowpass

## ENIEQMA

**MIDI IMPLEMENTATION**

| PARAMETERS                   | CC# (default) | Value Range       |
|------------------------------|---------------|-------------------|
| ParaEQ Freq (band 1 - ch.R)  | 58            | 0 - 127           |
| ParaEQ Freq (band 2 - ch.R)  | 59            | 0 - 127           |
| ParaEQ Freq (band 3 - ch.R)  | 60            | 0 - 127           |
| ParaEQ Freq (band 4 - ch.R)  | 61            | 0 - 127           |
| ParaEQ Freq (band 5 - ch.R)  | 62            | 0 - 127           |
| ParaEQ state (band 1 - ch.R) | 63            | Off = 0, On = 127 |
| ParaEQ state (band 2 - ch.R) | 64            | Off = 0, On = 127 |
| ParaEQ state (band 3 - ch.R) | 65            | Off = 0, On = 127 |
| ParaEQ state (band 4 - ch.R) | 66            | Off = 0, On = 127 |
| ParaEQ state (band 5 - ch.R) | 67            | Off = 0, On = 127 |

| PARAMETERS             | CC# (Default) | Value Range |
|------------------------|---------------|-------------|
| SimpleEQ Type (ch.L)   | 68            | 0 - 6       |
| SimpleEQ Bass (ch.L)   | 69            | 0 - 127     |
| SimpleEQ Mids (ch.L)   | 70            | 0 - 127     |
| SimpleEQ Treble (ch.L) | 71            | 0 - 127     |
| SimpleEQ Type (ch.R)   | 72            | 0 - 6       |
| SimpleEQ Bass (ch.R)   | 73            | 0 - 127     |
| SimpleEQ Mids (ch.R)   | 74            | 0 - 127     |
| SimpleEQ Treble (ch.R) | 75            | 0 - 127     |

**Simple EQ Type**

|   |                            |
|---|----------------------------|
| 0 | = <i>Tonestack F</i>       |
| 1 | = <i>Tonestack M</i>       |
| 2 | = <i>Tonestack V</i>       |
| 3 | = <i>Bass &amp; Treble</i> |
| 4 | = <i>Wah</i>               |
| 5 | = <i>Tilt</i>              |
| 6 | = <i>Scooped-Tilt</i>      |

| PARAMETERS              | CC# (Default) | Value Range |
|-------------------------|---------------|-------------|
| PultEQ Low Peak (ch.L)  | 76            | 0 - 127     |
| PultEQ Low Freq (ch.L)  | 77            | 0 - 127     |
| PultEQ Mid Dip (ch.L)   | 78            | 0 - 127     |
| PultEQ Mid Freq (ch.L)  | 79            | 0 - 127     |
| PultEQ High Peak (ch.L) | 80            | 0 - 127     |
| PultEQ High Freq (ch.L) | 81            | 0 - 127     |
| PultEQ Low Peak (ch.R)  | 82            | 0 - 127     |
| PultEQ Low Freq (ch.R)  | 83            | 0 - 127     |
| PultEQ Mid Dip (ch.R)   | 84            | 0 - 127     |
| PultEQ Mid Freq (ch.R)  | 85            | 0 - 127     |

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| PARAMETERS              | CC# (default) | Value Range |
|-------------------------|---------------|-------------|
| PultEQ High Peak (ch.R) | 86            | 0 - 127     |
| PultEQ High Freq (ch.R) | 87            | 0 - 127     |

| PARAMETERS                | CC# (default) | Value Range                                 |
|---------------------------|---------------|---|
| Limiter                   | 88            | <i>Off</i> = 0, <i>On</i> = 127             |
| Limiter Channel mode      | 89            | <i>Linked</i> = 0, <i>Independent</i> = 127 |
| Limiter Input gain (ch.L) | 90            | 0 - 127                                     |
| Limiter Threshold (ch.L)  | 91            | 0 - 127                                     |
| Limiter Attack (ch.L)     | 92            | 0 - 127                                     |
| Limiter Input gain (ch.R) | 93            | 0 - 127                                     |
| Limiter Threshold (ch.R)  | 94            | 0 - 127                                     |
| Limiter Attack (ch.R)     | 95            | 0 - 127                                     |

} Added in firmware v1.0.1

| PARAMETERS                          | CC# (default) | Value Range                                  |
|-------------------------------------|---------------|--|
| Volume Increment/<br>Decrement      | 96            | <i>Decrement</i> = 0, <i>Increment</i> = 127 |
| Boost Level Increment/<br>Decrement | 97            | <i>Decrement</i> = 0, <i>Increment</i> = 127 |
| Prototype Increment/<br>Decrement   | 98            | <i>Decrement</i> = 0, <i>Increment</i> = 127 |

} Added in firmware v1.2.0

### PROGRAM CHANGE (PC)

| Preset # | PC # |
|----------|------|
| 1        | 0    |
| 2        | 1    |
| 3        | 2    |
| •        | •    |
| 64       | 63   |

Total preset : 64

### Default MIDI Channel

Enieqma is pre-programmed to use MIDI channel 1. You can change the channel number to any number from 1 through 16 in **Global Settings** menu.