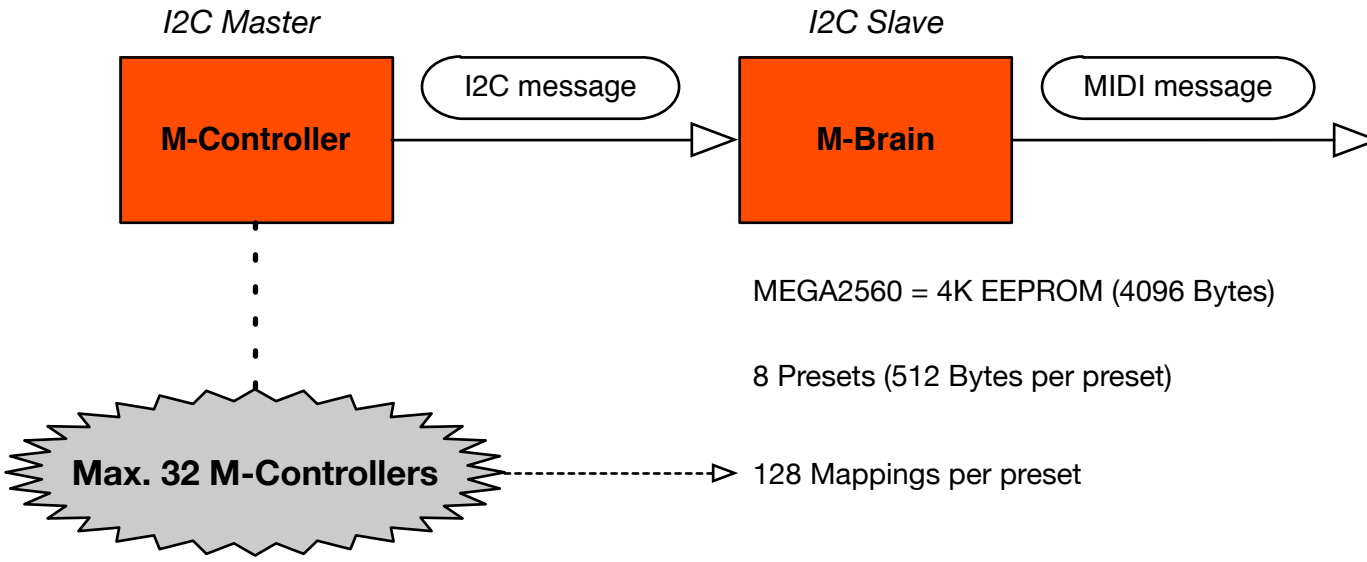
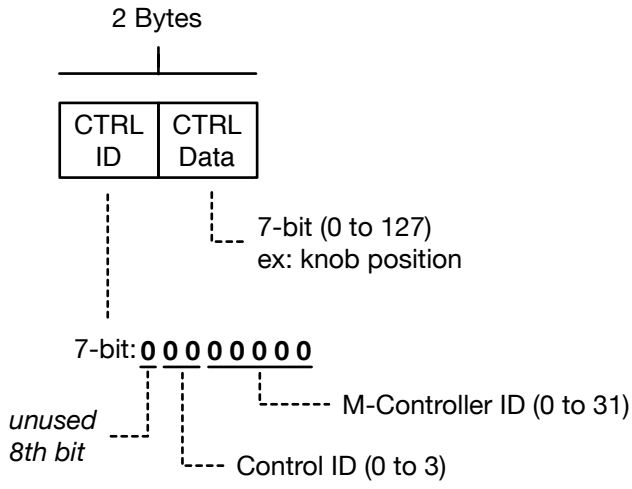
M-BLOCKS



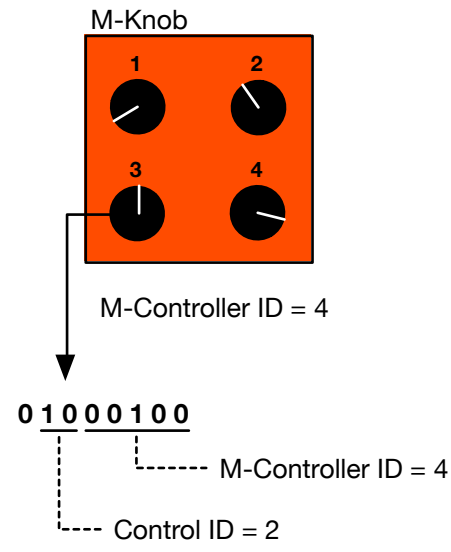
NOTE:

M-Encoders count as 2 M-Controllers. Encoder rotation as 1 controller and encoder button as another controller. By default encoder button press speeds up encoder rotation. Hold encoder button at startup to enable button output as separate message.

I2C Message

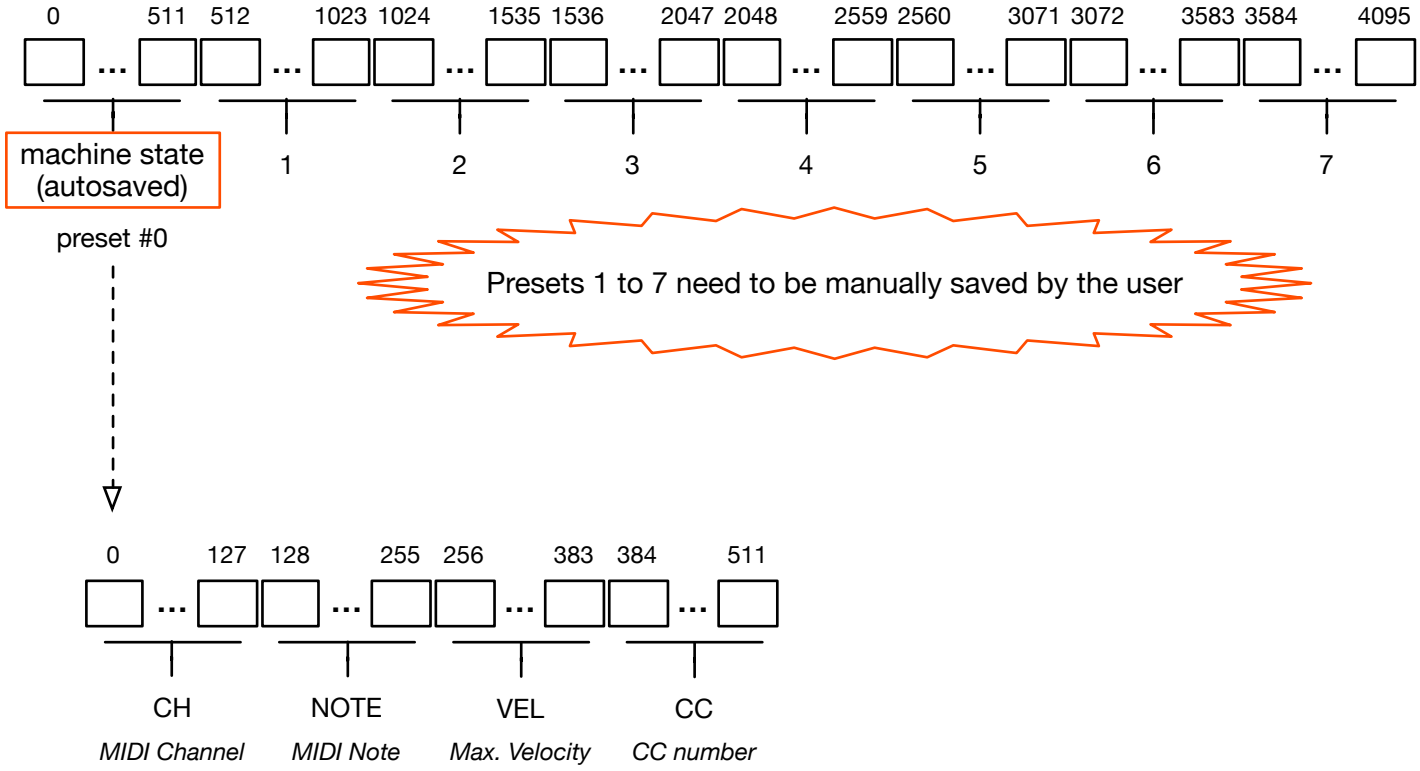


Example



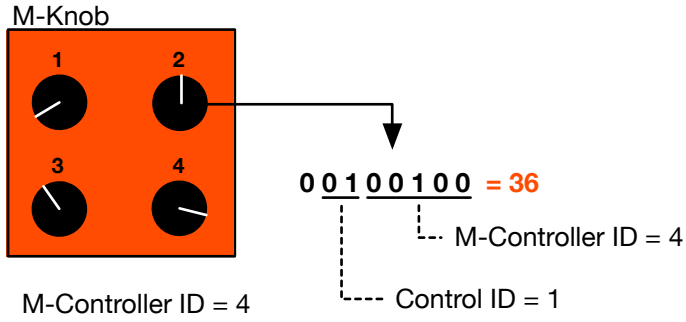
Messages are sent upon control data change.

EEPROM Memory



NOTE: CTRL ID maps directly to EEPROM memory index

Example



CH = EEPROM [0 + 36]
NOTE = EEPROM [128 + 36]
VEL = EEPROM [256 + 36]
CC = EEPROM [384 + 36]

USER MANUAL

[NAME] = M-Brain button name
[Controller] = activate M-Controller hardware input (ex: knob, button, etc.)
=> (LED - xxxxxx) = represent 7-led activity
=> (LEDX - xxxxxx) = represent X-led activity
=> (LED13 - xxxx) = represent built_in led activity

1) Set NOTE mapping

1.1) Press and hold **[NOTE]** + **[Controller]** => (LED - blink 250ms)
1.2) Press **[LOAD]** to EXIT => (LED - stop blinking)
1.3.1) Rotate **[ENCODER]** to set note number => (LED - display note number)
1.3.2) Press **[ENTER]** to confirm => (LED - stop blinking)

2) Set MAXIMUM VELOCITY mapping

2.1) Press and hold **[NOTE + CC]** + **[Controller]** => (LED - blink 125ms)
2.2) Press **[LOAD]** to EXIT => (LED - stop blinking)
2.3.1) Rotate **[ENCODER]** to set maximum velocity => (LED - display velocity number)
2.3.2) Press **[ENTER]** to confirm => (LED - stop blinking)

3) Set CC mapping

3.1) Press and hold **[CC]** + **[Controller]** => (LED - blink 250ms)
3.2) Press **[LOAD]** to EXIT => (LED - stop blinking)
3.3.1) Rotate **[ENCODER]** to set CC number => (LED - display CC number)
3.3.2) Press **[ENTER]** to confirm => (LED - stop blinking)

4) Set CH mapping (channel 0 = GLOBAL CH)

4.1) Press and hold **[NOTE + LOAD]** + **[Controller]** => (LED - blink 125ms)
4.2) Press **[LOAD]** to EXIT => (LED - stop blinking)
4.3.1) Rotate **[ENCODER]** to set CH number => (LED - display CC number)
4.3.2) Press **[ENTER]** to confirm => (LED - stop blinking)

5) Set GLOBAL CH

5.1) Press and hold **[NOTE + CC + LOAD]** + **[Controller]** => (LED - blink 250ms)
5.2) Press **[LOAD]** to EXIT => (LED - stop blinking)
5.3.1) Rotate **[ENCODER]** to set CH number => (LED - display CC number)
5.3.2) Press **[ENTER]** to confirm => (LED - stop blinking)

6) SAVE preset

6.1) Press **[SAVE]** => (LED - blink 500ms)
6.2) Press **[SAVE]** again to EXIT => (LED - stop blinking)
6.3.1) Rotate **[ENCODER]** to set preset location => (LED - display slot number)
6.3.2) Press **[ENTER]** to save => (LED - blink twice)

7) LOAD preset

7.1) Press **[LOAD]** => (LED - blink 1000ms)
7.2) Press **[LOAD]** again to EXIT => (LED - stop blinking)
7.3.1) Rotate **[ENCODER]** to set preset location => (LED - display slot number)
7.3.2) Press **[ENTER]** to load => (LED - blink twice)

8) Clear preset 0 / init blank state

8.1) Disconnect M-Brain from power
8.2) Press and hold **[LOAD+SAVE]** while powering unit => (LED in reverse order)

9) Activate DEBUG Mode

9.1) Disconnect M-Brain from power
9.2) Press and hold **[ENTER]** while powering unit => (LED in reverse order)