2025/10/24 08:10 1/1 how\_to\_mix\_c\_and\_asm

It's actually quite easy! As you can see in the example below, just enclose the ASM part with <u>\_asm</u> and <u>\_endasm;</u>

You might have to declare some additional variables, but the concept is quite straightforward.

```
unsigned char Scale_7bit(unsigned char evnt2, unsigned char min, unsigned
char max)
{
    // scaled value is (<8-bit random> * ) >> 8
    PRODL = evnt2 << 1; // 8bit value
    PRODH = max-min+1; // range
    __asm
        movf _PRODL, W
        mulwf _PRODH, 0
    __endasm;

return min + PRODH;
}</pre>
```

From:

http://wiki.midibox.org/ - MIDIbox

Permanent link:

http://wiki.midibox.org/doku.php?id=how\_to\_mix\_c\_and\_asm&rev=1160904901

Last update: 2007/04/07 02:47

