



```
_sm_button_row    res    1
_sm_button_value  res    1
_sm_col           res   1

...

SM_PrepareCol
    ;; select next DOUT register

    ;; (current column + 1) & 0x07
    SET_BSR    sm_selected_column
    incf      sm_selected_column, W, BANKED    ; (* see note below)
    andlw    0x07
    ;_sm_col is used by LM_SetRow()
    movwf    _sm_col
    call     MIOS_HLP_GetBitANDMask    ; (inverted 1 of 8 code)

    ...
```

and finally in sm\_simple.h:

```
...
extern unsigned char sm_button_value;
extern unsigned char sm_col;
...
```

back to [DSEQ32](#)

From:

<https://wiki.midibox.org/> - **MIDIbox**

Permanent link:

[https://wiki.midibox.org/doku.php?id=dseq32\\_matrix&rev=1152138597](https://wiki.midibox.org/doku.php?id=dseq32_matrix&rev=1152138597)

Last update: **2006/10/15 09:35**

