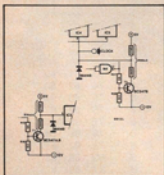


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Modifications to  
Additions to  
Improvements on  
Corrections in  
Circuits published in Elektor

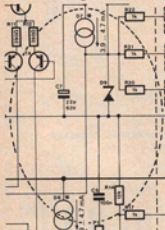
## Digital reverberation unit

Elektor 37, May 1978, p. 5-08. Three possible pin-compatible equivalents are listed for the 1024-bit shift register. However, when using the MM5058 the dissipation may in some cases be on the high side. The reason for this is the clock pulse level: 12 V top-top, whereas this particular IC is quite happy with only 5 V. A simple circuit modification (only required if the MM5058 is used!) is given below.



## FET audio amplifier

Summer Circuits 1978, circuit no. 39. Components C5, C7, R14 and D9 are shown in the circuit as connected to supply common. However, they should be connected to the R7/R25 junction, as shown in the diagram below.



## ASCII keyboard

November 1978, page 11-06. The parts list should read: R1 = 680 k; R2 = 100 k. The keyboard switches are listed as type MM9; the full type number is MM9-2. In Table 3, the last few lines are incorrect. The corrected section of the table is given below.

CTL + M = CR (CARRIAGE RETURN)	= CR + erasure to end of line
CTL + H = BS (BACK SPACE)	= cursor ←
CTL + [ = ESC (ESCAPE)	= scroll up
CTL + ]	= CR (carriage return) without erasure
CTL + Z = SUB	= erasure of current line
↵ = FS (FILE SEPERATOR)	= home cursor

## CMOS FSK modulator

Summer Circuits 1978, circuit no. 72. The reset connection of the 4020 (IC1) should be connected to supply common, instead of to positive supply.

## Master tone generator

September 1978, page 9-09. The M 087 is an SGS/ATES type; not Motorola, as stated in the article. Our apologies for any inconvenience this may have caused.

## Databus buffer

October 1978, page 10-18. On the component layout (figure 3) the '+' and '0' supply connections are transposed: the '+' connection runs along the outer edge of the board to pins 20 of IC1 and IC2.

## Tag!

November 1978, page 11-12. P3 should be a 2k2 (or 2k5) linear potentiometer.

## Ring the bell and win a prize!

November 1978, page 11-22. The output voltage  $U_p$ , referred to at several points in the text, is present at the emitter of T2 (point 'M'). Furthermore, the component numbers given in the parts list are incorrect; the corrected list reads:

### Resistors:

R1, R4, R19, R20, R22 = 10 k  
R2, R8, R9, R10, R12, R17, R21 = 100 k  
R3 = 33 k  
R5, R6 = 2k2  
R7 = 220 k  
R11, R14, R15 = 1 k  
R13 = 180 k  
R16, R18 = 15 k  
R23 = 220 Ω  
P1, P3, P4 = 100 k preset  
P2 = 10 k lin

### Capacitors:

C1, C7, C8 = 100 n  
C2, C5 = 4n7  
C3 = 1μ5/16 V  
C4 = 100 μ/16 V  
C6, C9 = 220 n