

Pascal listing: TYPMP.PAS

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{*****}
{*                                     T Y P M P                                     *}
{*-----*}
{* Task           : Sets the typematic rate on the MF II keyboard *}
{*               : according to user preferences.                  *}
{*-----*}
{* Author        : Michael Tischer                                *}
{* Developed on   : 08/27/88                                        *}
{* Last update    : 04/07/95                                        *}
{*****}
```

program TYPMP;

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{*****}
{* SetTypm: Sends the key repeat rate to the keyboard controller. *}
{* Input  : RATE : the repeat rate to be set                       *}
{* Output : TRUE if the value was set                               *}
{*        FALSE if an error occurred                               *}
{* Info   : This function can be added from a UNIT or OBJ file.    *}
{*****}
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{ \$F+ } { This function uses the FAR call model }

function SetTypm(Rate : byte) : boolean;

begin

inline(

\$32/\$D2/\$B4/\$F3/\$FA/\$E8/\$13/\$00/\$75/\$0A/\$8A/\$66/\$06/\$E8/
\$0B/\$00/\$75/\$02/\$FE/\$C2/\$FB/\$88/\$56/\$FF/\$EB/\$27/\$90/\$51/
\$53/\$B3/\$03/\$33/\$C9/\$E4/\$64/\$A8/\$02/\$E0/\$FA/\$8A/\$C4/\$E6/
\$60/\$E4/\$64/\$A8/\$01/\$E1/\$FA/\$E4/\$60/\$3C/\$FA/\$74/\$07/\$FE/

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        $CB/$75/$E6/$80/$CB/$01/$5B/$59/$C3
    );
end;

{$F-}

{*****}
{**                                     MAIN PROGRAM                               **}
{*****}

var  Delay,                                { Stores the delay }
     Speed,                               { Stores the key repeat rate }
     Fpos1,
     FPos2    : integer;                  { Error position in string conversion }
     ParErr   : boolean;                  { Error in parameter passing }

begin
    writeln(#13#10,'TYPMP - (c) 1988, 92 by MICHAEL TISCHER');
    ParErr := true;                        { Assume error in parameters }
    if ParamCount = 2 then                 { Were 2 parameters passed? }
        begin                             { Yes }
            val(ParamStr(1), Delay, FPos1); { First parameter to integer }
            val(ParamStr(2), Speed, FPos2); { Second parameter to integer }
            if ((FPos1=0) and (FPos2=0)) then { Error in conversion? }
                if ((Delay < 4) and (Speed < 32)) then { No --> Value O.K.? }
                    ParErr := false;                 { Yes --> Parameters are O.K. }
            end;
        end;
    if ( ParErr ) then                     { Are parameters O.K.? }
        begin                             { No }
            writeln('Syntax: TYPMP          delay          key_repeat_rate');
            writeln('                    ',#30,',',          ',#30);
            writeln('                    |');

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        writeln('      +-----+ +-----+') ;
        writeln('          0 : 1/4 second          0 : 30.0 reps/sec ');
        writeln('          1 : 1/2 second          1 : 26.7 reps/sec ');
        writeln('          2 : 3/4 second          2 : 24.0 reps/sec ');
        writeln('          3 : 1 second           3 : 21.8 reps/sec ');
        writeln('      +-----|           .      |');
        writeln('          all values +-20%           .      |');
        writeln('      +-----+           .      |');
        writeln('                               28 : 2.5 reps/sec ');
        writeln('                               29 : 2.3 reps/sec ');
        writeln('                               30 : 2.1 reps/sec ');
        writeln('                               31 : 2.0 reps/sec ');
        writeln('      +-----+') ;
    end
else
    { The parameters are O.K. }
begin
    if (SetTypm( (Delay shl 5) + Speed )) then { Set key repeat rate }
        writeln('The keyboard repeat rate was set.')
    else
        writeln('ERROR accessing the keyboard controller. ');
    end;
end.

```