

```

/*****
/*
/*----- T Y P M C -----*/
/*
/* Task : Sets the typematic rate on the MF II keyboard */
/* according to user preferences. */
/*-----*/
/*
/* Author : Michael Tischer */
/* Developed on : 08/28/88 */
/* Last update : 01/21/92 */
/*-----*/
/*
/* Memory model : SMALL */
/*-----*/
/*
/* Modules : TYPMC.C + TYPMCA.ASM */
/* Info : Microsoft C requires separate compiling and */
/* linking: */
/* CL /AS /c TYPMC.C */
/* LINK TYPMC TYPMCA; */
/* If you omit the /c switch, Microsoft C will */
/* give an 'unresolved external' error. */
/*****

/*== Add include files =====*/

#include <stdlib.h>
#include <stdio.h>

/*== Type definitions =====*/

typedef unsigned char byte; /* Create a byte */
typedef byte bool; /* Specify TRUE or FALSE */

/*== Constants =====*/

#define TRUE ( 1 == 1 ) /* Needed when working with BOOL */
#define FALSE ( 0 == 1 )

/*== Link external functions from the assembly language module =====*/

extern bool set_ttypm( byte trate ); /* Set the typematic rate */

/*****
/** MAIN PROGRAM **/
/*****

void main(int argc, char *argv[] )
{
    int delay, /* Stores the specified delay */
        speed; /* Stores the specified repeat rate */

    printf("\nTYPMC - (c) 1988, 92 by MICHAEL TISCHER\n");
    if (argc!=3 || ( (delay = atoi(argv[1]))<0 || delay>3 ) ||
        ( (speed = atoi(argv[2]))<0 || speed>31 ))
    {
        /* Illegal parameters were passed */
        printf("Syntax: TYPMC delay key_repeat_rate\n");
        printf(" \xle \xle\n");
        printf(" 3 3\n");
        printf("Éííííííííííííííí» Éíííííííííííííííí»\n");
        printf(" ° 0 : 1/4 second ° ° 0 : 30.0 reps/sec. °\n");
        printf(" ° 1 : 1/2 second ° ° 1 : 26.7 reps/sec. °\n");
        printf(" ° 2 : 3/4 second ° ° 2 : 24.0 reps/sec. °\n");
        printf(" ° 3 : 1 second ° ° 3 : 21.8 reps/sec. °\n");
        printf(" ÇAAAAAAAAAAAAAAAAAAAAA¶ ° ° °\n");
        printf(" ° All values +-20% ° ° °\n");
        printf(" Èíííííííííííííííí¼ ° ° °\n");
        printf(" ° 28 : 2.5 reps/sec. °\n");
        printf(" ° 29 : 2.3 reps/sec. °\n");
        printf(" ° 30 : 2.1 reps/sec. °\n");
        printf(" ° 31 : 2.0 reps/sec. °\n");
        printf("Éíííííííííííííííí¼\n");
    }
    else /* The parameters are O.K. */
    {
        if (set_ttypm( (byte) ((delay << 5) + speed )) /* Set typematic */
            printf("Typematic rate now set.\n");
        else
            printf("Keyboard controller access error.\n");
    }
}

```

} }