The Electronic Braille Type Machine Basically of Microcontroller ATmega16

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ABSTRACT

Now, caring for blind is too fews. The public information or the same kind in braille font is rarely to find. It cause made of braille font with manual methode needs a long time, beside that the creator must to learn the motif of braille font. There are the printer of braille font, but the price is tooexpensive. This fact be principle of made the electronic braille type machine basically of microcontroller ATmega16 for easy made the general people to comunicate with the blind.

Start of process to made this instrument is stake out and connect of hardware and next process is made of software. This instrument use keyboard as input and two motor stepper aslo a solenoid as output. The preparation of software for directed in microcontroller ATmega16 use C language and software CodeVision AVR as compiler. Finishing process is to downloading the software to microcontroller ATmega 16.

The hardware is succesfull made use minimum system microcontroller ATmega16, That joined with other instrument. The software of electronic braille type machine basically of microcontroller ATmega16 is succesfull made use CodeVision AVR in one main program. This instrument read the data from input keyboard that press, to move motor stepper and or solenoid so that can to bring outside motif braille font the suitable knot of keyboard that press at a sheet of paper.

Key words : type machine, braille font