

User Reference 1.44 MB Type-O for Okuma

Note : Prior to the use of this version of floppy to usb emulator, few noticeable things should be kept in mind.

1) When the usb flash drive is not plugged in the usb port of emulator, the front display of floppy emulator will display "0.0." (please notice the 2 dots in between the Zero's). These dots play very important role in this version of floppy emulator. These dots should disappear when you plug-in the usb disk in the port of floppy emulator. Without the usb plugged in the usb, floppy emulator should show these dots. If after plugging in the usb disk these dots do not disappear, means that the usb disk you are using is not compatible with this version of floppy emulator. As this version of floppy emulator treats the usb single floppy disk and processes the data sector by sector and track by track, these floppy drive emulators perform data access at same speed of floppy drives. The recommended flash drives are those which are USB 1.0 backward compatible like Kingston, HP. **We suggest not to use Sandisc / Transcend make usb disks**.
2) Another important thing to keep in mind before we start with these floppy emulators is that the usb disk should be formatted in 1.44 mb format size using the floppy formatting software (either in single block of in multi-block version). If we do not format the usb disk, it will not be read in floppy emulator. On the front of this floppy emulator it has two switches. These switches perform task of changing the virtual discs when usb is plugged in. Tens is for moving from 00 – 10 – 20 – 30 ,,, 90 , and units is fort 00 , 01 , 02,,, 09. So if you want to move from 00 to 25 , press tens twice and units 5 times. Also recommended is to change the block number to 00 while unplugging the flash disk.

Features : 1.44mb Type-O usb as floppy drive emulator

* Can read and write in non-dos formats alongwith FAT12, FAT16, FAT32



* Can store data of upto 100 floppy disks on a single USB drive

* Reads and writes the usb like physical floppy disk (sector by sector and track by track)

* Supports ready signal and slow motor read speed

* Supports boot floppy function

* Write back process directly writes treating usb as floppy disk

Using the usb as Floppy emulator to Read and write data in the machine

***Before we proceed in to to any operations on the USB flash drive , please make sure that the flash drive is formatted in 1.44mb partitions using special formatting software provided in CD. **The Kingston USB flash drive shipped alongwith Emulator is already Pre-formatted into 1.44 mb partitions and is ready to use.**

As Okuma lathe machines use a special OSP format for floppy disks, so we need to make all the partitions (0 - 99 or as many as you want) OSP compatible , by initializing it in Okuma Lathe machine. For that swap the emulator with FDD installed in Okuma Lathe. Insert the USB Flash in Emulator, and from Init menu initialize the USB Flash partition. After initialization this partition is ready to use with Okuma machine.

Specifications of Floppy Drive to USB

Successful alternative for 1.44MB with Non Dos Support and Boot Floppy disk option

- USB as floppy Interface Options - 34 Pin
- Physical Dimensions of floppy to usb - Standard 3.5"
- Operational Voltage - +5 Volt DC