

# Calmotion USBCNC-FAD

## USB Disk reader Control for Fadal CNC's



The USBCNC-FAD disk reader control acts as an interface between commercially available USB flash memory and any Fadal control using the RS-232 port located at the rear of the machine. USB connectivity can be achieved any version of Fadal software. Baud rate changes accommodate older machines with -2 systems as well as faster baud rates for -3 and later versions. Neither software nor hardware upgrades are required on the CNC to run large files from a USB flash key.

USB installation can be achieved in minutes by performing the following steps:

1. Connect both sides of the DB25 serial cable between the USBCNC-FAD and the serial port of the Fadal CNC.
2. Connect the supplied 5V power supply to an AC power wall outlet.
3. Insert a USB key.

Commands for the USBCNC-FAD follow the standard Fadal command set. The "+" key is pressed instead of the enter key to direct the USBCNC-FAD to take action.

Example: Tape input command. Loads file into CNC memory

```
ENTER NEXT COMMAND CD,10
ENTER NEXT COMMAND TA, JOB1.TXT+
M2
TAPE INPUT TERMINATED
ENTER NEXT COMMAND <
```

### Features

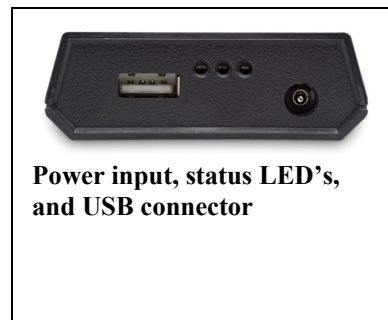
- Help menu with list of USBCNC-FAD commands
- USB directory listing
- DNC (drip feed) operation
- Mid-tape start capability
- Baud rate configurable
- Punch tooling and data to USB
- Punch tooling data only
- Punch current program
- Punch all programs from CNC to USB key
- Punch machine parameters
- Punch machine survey data
- Tape input for file loading into CNC memory
- File preview command
- Delete files from USB flash key

### Standard Hardware Includes:

- 1GB USB flash key included with every unit. Manual pre-loaded on USB flash key.
- A 25 foot DB25 cable
- Wall plug regulated 5V power supply
- Status LED's
- Machine magnet with USBCNC-FAD command set



DB25 Serial connection



Power input, status LED's, and USB connector

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