

Microtan TANDOS-R Manual

Appendix D - Gotek Option



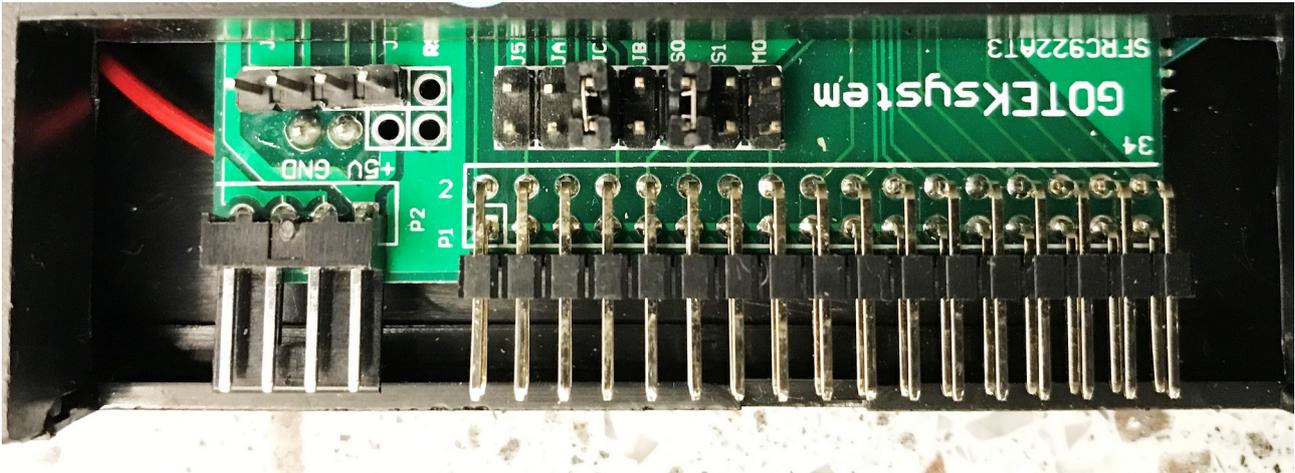
Connections

Two cables need to be made up prior to connecting the Gotek FDD emulator with the TANDOS-R PCB.

The power cable consists of 2 wires (5v and Ground) connecting 2 Berg sockets using crimp terminals. Each wire needs to connect the same Berg socket pin numbers together. Note: Berg connectors and terminals are manufactured by AMP-TE Connectivity.

The Floppy Disk cable is made up by clamping two 34 way IDC sockets on the ends of 34 way ribbon cable. The connectors often have a triangle indicating pin 1. These should be orientated so that they align with Pin 1 signal line of the ribbon cable which is usually coloured red. The two parts of the connectors should be clamped around the cable using a vice so that even pressure is applied across the length of the connector.

Configuration



The above Gotek (Model SFRC922AT3) is configured for use with an IBM-PC clone (ie header JC is closed). For use with the Microtan, it does not matter if jumper JC is open or closed. The other jumper is positioned on header S0 so that the Gotek emulates Drive 0 (ie Microtan Drives 0 and 1). If the Gotek is to emulate Drive 1 (ie Microtan Drives 2 and 3), then this jumper should be placed over header S1. In this case, there must be another drive fitted and configured to Drive 0 for TANDOS to operate.

Preparing the USB stick

Using a PC/Laptop, format (FAT32) the USB stick. Download the following zip file containing a DRV0 / DRV1 image:

[DSKA0000.zip](#)

Unzip this file and transfer the DSKA0000.HFE image file to the USB stick. If further images are required, copy this file and rename them sequentially ie DSKA0001.HFE, DSKA0002.HFE etc. When each of these images are selected on the Gotek, DRV0 contains the TANDOS master files, DRV1 is blank.

Using the Gotek

Install the Gotek into the Microtan system connecting the power and the data cables to the TANDOS-R board. Insert the USB stick into the Gotek USB port. After powering up and resetting the Microtan, select the required image on the Gotek using the up/down buttons or the rotary encoder (if fitted). The Gotek will behave the same as if a real floppy disk drive had been connected.

If using the Gotek as DRV0/DRV1 and other drives are fitted, it is recommended to update the Disk Definition on each DRV0 on each Gotek image using the [SYS](#) command.