

# ALPHAGEN - CD DRIVE UPDATE

## Drive Installation Instructions

Enclosed you will find a new CDROM drive to replace your outdated CDROM drive. First thing to do is to power up the unit so that the CD inside the outdated CDROM drive can be ejected. Place this CD in a safe place until you are ready to use it again. (In case there was a CDROM sent with the drive, use the new CDROM instead)

The next steps require disassembly. The top cover is attached by several screws on the top, as well as two screws on the back, on either side of the power supply.

Before complete installation, we recommend that the drive be hooked up in place of the outdated drive. Without actually removing the original drive. The IDE cable (40 pin ribbon cable) and the power connection (4 pin cable with yellow, 2 black and a red wire) need to be removed from the old CDROM drive and attached to the replacement.

With the connections made, you should be able to power up the Alphagen system.

Press the Eject button on the new CDROM drive. Insert the CD and press Eject again. The tray should close with the CDROM inside.

The system should boot up in a similar way in which you are used to. This process should not take more than 2 minutes. If so, press the RESET button and try again. If the system still does not boot up, please give us a call. Pay particular attention to the Keyboard light. It should be lit or flashing. Also note if the power light is flashing.

With the CDROM drive operational, you will next need to remove the cables to the entire internal shelf that the CDROM drive and Floppy drive rest on. Make particular note of how the power cable and IDE ribbon cable is attached. Note that there is a red stripe on the ribbon cable. This indicates pin one of the ribbon. This must match the CDROM drive's pin 1. Usually identical positioning among drives.

The two cables direct from the power supply are different and are not designed to be interchanged. The power cable directly from the supply, with 3 leads (one black lead missing) is intended for connection with the CDROM unit. Damage will occur if interchanged.

On some early units the back panel must be removed (four 6/32 screws, similar to the top screws) for access to the internal shelf. Remove this if necessary.

# CD Replacement

The internal shelf is attached by 4 retaining screws on the bottom of the Alphagen system (6/32" by 1/4"). Additionally there are screws on the side of the Alphagen that strengthen the side rails. These might need to be loosened to remove the shelf. These screws press the side case against the shelf horizontally, however are not attached to the shelf.

The shelf rocks out with a cutout on the right hand side (face forward) and the shelf can be slid back and rocked out. Note that there are several wires under the shelf. Take care that these are not stressed, for removal or installation. The shelf should easily come out.

The CDROM drive is attached with 4 6/32" by 1/4" screws. Once the screws are out, the CDROM drive is free. Installing the new CDROM drive should be straightforward from here.

Install the screws to the CDROM drive.

Install the internal shelf. Watch for any cables that might get in the way. The internal shelf is designed to slide right in. If it requires force, reinspect for cables that might have gotten under the internal shelf.

Install the 4 screws on the underside of the Alphagen system that hold the internal shelf in place.

Tighten any of the side screws that were adjusted to remove the internal shelf.

Attach the cables.

Power up the unit. With the connections made, the Alphagen should be operational again. The top cover can now be replaced.