

Error Conditions

If the system cannot read a master disc or fails to write to a blank disc, the system will stop operation and produce a constant beeping noise. This error condition will occur if it detects a bad disc in either TEST or COPY mode.

When a defective disc is detected, the recorder drive tray will open and the disc will be lifted out of the tray.

The tray will then close and the system will produce the constant beeping noise.

Remove the completed discs from the output bin and press the button. This will drop the failed disc.

Once the disc is dropped, the system will be ready to start another job. If you need to complete more copies, you will need to place the master disc back on the spindle and have it read into the hard drive again.

Firmware Update

If it is necessary to update the system program in the Micro Orbit duplicator, please follow these steps.

Power on the Micro Orbit system and wait for it to complete initializing. The green LED will be on solid when the system is ready.

Remove the CD spindle and the output bin from the system.

Press and hold the button on the front of the unit for approximately 5 seconds. The system will beep twice. Release the button.

The drive tray will now open. Place the firmware CD into the drive tray and close it.

The system will automatically load the new firmware. The two LED's on the front of the unit will flash. The system will also make beeping noises.

Once the firmware is loaded, the drive tray will open and the system will beep.

Remove the firmware CD and close the drive tray.

Turn power off, wait 5 seconds and then turn power back on.

The system is now ready to use, with the new firmware installed.

Support Information

For technical questions or support issues, please contact Microboards Technology technical support at PH: 952-556-1639, FAX: 952-556-1628, by email at support@microboards.com or the web <http://www.microboards.com>.



8150 Mallory Court
Chanhassen, MN 55317
Tel: (Support) 952-556-1639
Tel: (Sales) 952-556-1600
Fax: 952-556-1628
Support: support@microboards.com
Web Site: <http://www.microboards.com>



Micro Orbit

Operation Manual



Overview

The Micro Orbit is a 50-disc, batch-load duplicator. It has only one button to operate its simulation and copy modes. Masters are read into the internal hard drive through the recorder, eliminating the need for a separate reader. Masters and blanks can be interleaved on the input spindle to allow for batch mode processing. When the system recognizes a new master, it reads it into the hard drive then ejects the master into the output bin and starts recording the next series of blanks until it runs out of media or recognizes a new master in the drive.

The system can come configured with a 40x CD Recorder or a 4x DVD-R recorder. The DVD system can record CD or DVD masters.

System Setup

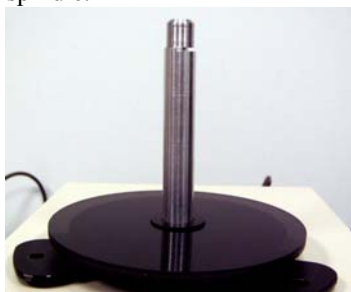
Using the Micro Orbit CD system is very easy. Plug in power, turn on your system, load the system with media and press a button. When the system is turned on, the green LED will flash, as it goes through the initialization stage. When initialization is complete, the green LED will be on solid. Press the button once to start COPY mode or press the button 5 times, to start TEST mode. Both modes are explained in more details later in this document.

Loading Discs

To load the discs, remove the disc spindle and turn it upside down.



Twist the end of the spindle, so the bottom section is flush with the rest of the spindle.



Load the discs in upside down, so the recording side of the disc is up. Load the blank discs first, then the master disc last.

If you wish to copy multiple masters, load the number of blank discs you want to copy, then your master disc. Then load the next batch of blanks and the next master disc. You can repeat this process until you have 50 discs loaded on the spindle. With the DVD-R system, you can mix in CD and DVD masters, but your blank discs must be the same as the master. You cannot copy CD masters to DVD-R discs or DVD masters to CD-R discs. Remember, 50 discs is the maximum number of discs the system will hold.

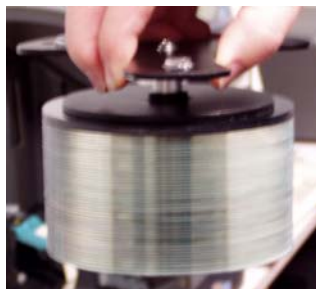
Once the discs are loaded on the spindle, rotate the end of the spindle, so that the bottom of the shaft is offset to one side.



Place your hand between the spindle top and black metal plate at the base of the spindle. Lift the disc stack up until the top disc is resting against the offset post.



Then turn over the spindle. The discs will be held in place by the offset portion at the bottom of the spindle.



Place the spindle in the front of the duplicator, aligning the arrow with the front of the duplicator. The spindle will

lock into place and is ready for use.



System Modes

The Mini Orbit system can run in two modes, TEST and COPY.

Once you start in one mode, you must cycle power to switch to the other mode. For example, if you run in TEST mode first, to test your discs and then want to switch to COPY mode, you must cycle power to the system.

TEST mode will simulate writing to the blank discs. This mode is used for testing your master discs and blank discs without the risk of wasting your blanks. To enter TEST mode, press the button 5 times. The system will make a series of beeps and then start the duplication process. Again, this mode will not write any data to the blank discs.

Write Mode will record the information from your master disc to the blank discs. To enter Write mode, press the button once. The system will beep once and the green led will start blinking. The duplication process will begin by loading your master disc to the internal hard drive and then copying the information to the blank discs.

Running in TEST Mode

TEST mode can be used to make sure your master disc is readable and your blank discs are recordable, without wasting any blank discs.

Load the spindle with your discs, as described earlier. To run the system in TEST mode, press the button on the front of the unit 5 times.



The system will then make a series of beeps, indicating it is in test mode.

The first disc will be loaded into the recorder and the information will be copied to the internal hard drive.

Once this is complete, the master disc will be removed from the recorder and placed in the output bin.

The first blank disc will now be loaded into the recorder and the system will simulate writing to that disc. Once completed, the disc will be ejected and placed in the output bin.

This process will continue until the system runs out of discs.

The system will beep once the job is complete. Press the button once and the green LED will become solid.

The system is now ready for the next job in test mode. To switch to COPY mode, you must cycle power to the system.

The blank discs will remain blank during this process and can be used again.

Running in COPY Mode

COPY mode is used when you are ready to make your copies.

Load the spindle with your discs, as described earlier. To run the system in COPY mode, press the button on the front of the unit 1 time.



The system will beep one time and the green LED will start to blink.

The first disc will be loaded into the recorder and the information will be copied to the internal hard drive.

Once this is complete, the master disc will be removed from the recorder and placed in the output bin.

The first blank disc will now be loaded into the recorder and the system will write to that disc. Once completed, the disc will be ejected and placed in the output bin.

This process will continue until the system runs out of discs.