

# LaserCon "Merlin-Dx"

## Set-up Instructions for Dexter

Design and Control Firmware Version 1.x - by [Shaun D. Wood](#)

### **Part 1: Dexter Preparation Instructions for the "Merlin-Dx" System**

The Merlin-Dx System consists of the Merlin-Dx Enhancement ROM board in conjunction with the Dexter Laserdisc Replacement Player. These two enhancement boards working together provide a solid state multi-game system of Dragon's Lair, Dragon's Lair II, and Space Ace.

No need to open the cabinet to change laserdiscs. Select your desired game from the control Panel.

These instructions will guide you in preparing your Dexter board for the Multi-game system. They must be performed before installing your Merlin-Dx ROM board.

#### **Step 1 - Update your laserdisc images**

Your Dexter must have 4 laserdisc images installed...

lair-23apr2016.ldimg	Dragon's Lair NTSC (Limited Edition, 2002)
ace-18March2017.ldimg	Space Ace NTSC
dl2e-17jun2017.ldimg	Dragon's Lair 2 Enhancement
merlin-v1.ldimg	Merlin Menu

The "***Dragon's Lair 2***" disc shipped with Dexter boards prior to July 2017 is not compatible with the Merlin-Dx system.

You must download the new "***Dragon's Lair 2 Enhancement***" disc along with the "***Merlin Menu***" disc, and copy these files to your Dexter USB thumb drive.

Due to the large size of Laserdisc image files, they must be downloaded using a Bit-torrent application. If you are familiar with bit-torrent, you may skip ahead.

If you have never used bit-torrent...

Download the "qBittorrent" application using this link...

Windows:

[https://www.foosshub.com/qBittorrent.html/qbittorrent\\_3.3.13\\_setup.exe](https://www.foosshub.com/qBittorrent.html/qbittorrent_3.3.13_setup.exe)

Mac:

<https://www.foosshub.com/qBittorrent.html/qbittorrent-3.3.13.dmg>

Once *qBittorrent* has finished downloading, double click the file to install the software. Accept all default settings.

Double click the file: `dl2e-17jun017.torrent` to begin the download.

Once the torrent download has finished, you will have the needed disc image in your Downloads folder.

Insert your Dexter thumb drive into any available USB port on your computer. When the "AutoPlay" window pops up, select "Open folder to view files" (if AutoPlay does not run on your PC then navigate to the USB drive manually).

Open the folder "disc"

Delete the old DL2 disc (`lair2-23july2015.ldimg`) by clicking it once, and pressing the "Delete" key.

Copy the disc file (`dl2e-17jun017.ldimg`), from the Downloads folder, to the "disc" folder on your Dexter USB thumb drive.

Copy the file (`merlin-v1.ldimg`), from the setup package this document came in, to the "disc" folder on your Dexter USB thumb drive.

## **Step 2 - Update Dexter's Firmware**

You should still have Dexter's thumb drive in your PC's USB port.

If you have the "DexterManager" software already installed, open the program now, and go to the next page. If you do not have DexterManager...

Download the "Dexter Manager" software to your PC.

<http://www.laserdisc-replacement.com/download/DexterManagerBase.zip>

Right Click the file, and select "Extract All..."

Open the folder " DexterManagerBase"

Double click and run the file "DexterManager.exe"

Click "Update all" to update the manager software to it's latest version. If you don't see an "Update all" button, then you are up to date.

When finished updating, the software will restart. If Windows Firewall asks permission to access the internet, click "Allow Access".

Click any "Update" buttons that may appear.

You should now see all of discs installed on your Dexter,  
Verify that the "Disc name" column matches those disc names shown on page one  
of this document.

Bullet the circle to the right of "Dragon's Lair 2 Enhancement", and click the "Save  
changes" button.

Remove the USB drive from your PC (be sure to use the "Safely remove  
Hardware" notification icon near the clock).  
Place the USB drive back into Dexter.

With the game control ribbon cable disconnected, power up your machine.  
Dexter will begin the process of updating it's firmware and image files. This  
process can take 20-30 minutes. Do not power down until all screen activity has  
stopped, and the screen has remained black for over a minute.

Power off the machine and re-connect the ribbon control cable to Dexter.

Dexter preparation is complete.

You may now go to...

**Part 2 - Install the Merlin EPROM and Configure your game board**  
**or**

**Part 2: Install Merlin and Configure your game board:**

**\*\***(If you are unfamiliar with un-zipping and moving files within Windows,  
please email me for assistance.)**\*\***