



Ripstation DataGrabber Operating Manual

Ripstation
A Division of Formats Unlimited, Inc
155 Sherwood Avenue
Farmingdale, NY 11735

T: +1 631 249 9393
F: +1 631 249 9273

Authors: Robert Warnock & Patrick McGrath
support@ripstation.com
www.ripstation.com/support

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Overview

DataGrabber is a dedicated software tool to allow for batch transfer of data files from Blu-Ray*, DVD or CD utilising USB attached drives or MF Digitals' 7602/7604, 7601, 7601XC or 7601XD robotic autoloaders.

DataGrabber will take any Data Blu-Ray*, Data DVD or Data CD and create an ISO image or the resulting file structure from the disc itself, creating a local copy, for use in archive or backup applications.

The application operates on the Windows Platform.

The product is designed for use by individuals, system integrators and service providers and offers flexibility, ease of use and high throughput at the core of its operation.

DataGrabber is licensed on a seat or site license basis as purchased by its users and subject to the conditions laid down in the applicable license agreement.

This document provides a user manual to allow basic and advanced operation as well as customisation of all parameters, set up and use of robotics for a complete end to end process.

*** Please Note, a Blu Ray drive upgrade is necessary to support Blu-Ray data ripping – this can be added at time of purchase as an optional upgrade to your system. DataGrabber WILL NOT rip Blu ray discs without a Bluray drive.**

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1.0 Software Installation

1.1 Preinstall Checks

For Standalone PC Options:

- 32 bit Windows XP with SP2, Vista or Windows 7
- Microsoft .NET 2.0, download from <http://www.microsoft.com/downloads/details.aspx?FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en>
- PC platforms as specified in pre install documentation
- Always on internet connection
- Windows Media Player 10 or above.

1.2 Running the Executable

- Ensure target PC is connected to the internet.
- To install the software, double click the icon '**datagrabbersetup.exe**' to run and follow the onscreen prompts.
- If you do not have this software, it can be downloaded from www.ripstation.com/software/downloads/datagrabbersetup.exe
- It is recommended that the default paths be selected for installation.

1.2.1 Registration

- To activate the software installation, double click the program shortcut on the desktop.
- When prompted, as shown in figure 1.0, please key in the registration code supplied at the time of purchase and click ok.

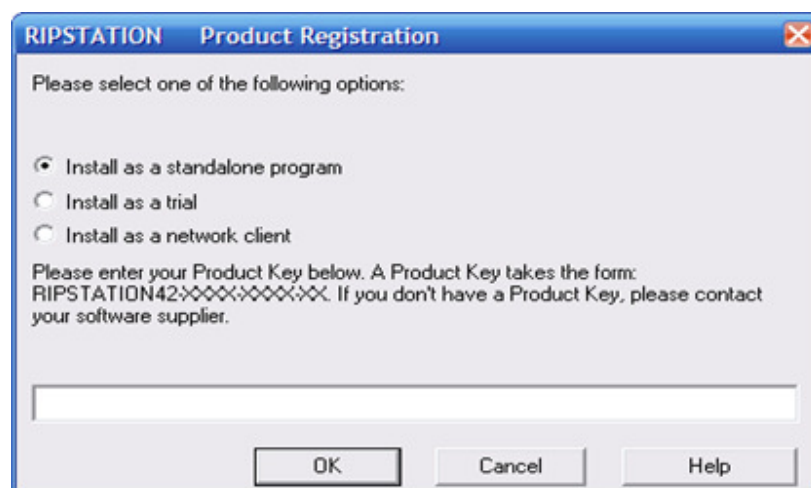
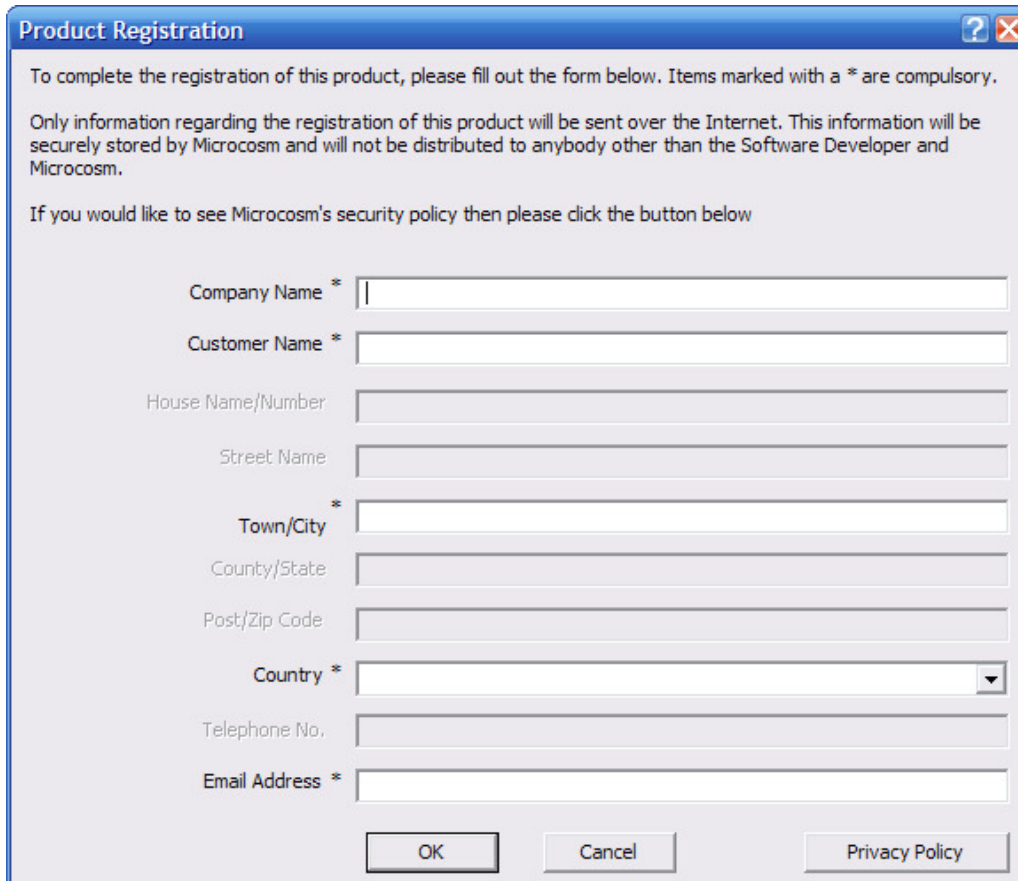


Figure 1.0 Product Registration Code Screen

- Next, enter in the company details when presented with the screen as shown in figure 1.1 in order to complete the product registration and software installation.



The image shows a 'Product Registration' dialog box. It contains the following text and fields:

To complete the registration of this product, please fill out the form below. Items marked with a * are compulsory.

Only information regarding the registration of this product will be sent over the Internet. This information will be securely stored by Microcosm and will not be distributed to anybody other than the Software Developer and Microcosm.

If you would like to see Microcosm's security policy then please click the button below

Company Name *

Customer Name *

House Name/Number

Street Name

Town/City *

County/State

Post/Zip Code

Country *

Telephone No.

Email Address *

Buttons: OK, Cancel, Privacy Policy

Figure 1.1 Product Registration Details Screen

All details marked as * are required.

- Click OK to proceed and the application will connect to our server and verify your code.

1.2.2 Limits on Registration

In the case of a seat License, **ONE** code for activation is provided. The application may be uninstalled at any time and reinstalled on an alternate machine by following the process above. Please note however, only ONE copy of the software will run at any one time and a second installation of the software with the same code will prevent the first installation from being run.

2.0 Hardware Installation

This section details a set of instructions for correct assembly of the robotic hardware (if purchased). It begins by listing the items contained within the packaging.

2.1 Robotic Hardware

The autoloader box should contain:

1. The robotic hardware system
2. Power cable
3. These Quick Setup Instructions
4. Warranty & support documents

2.2 Step by step guide of Robotic Hardware 7602/7604

2.2.1 STEP ONE Remove the Packing Constraints

- Carefully remove the autoloader from its carton, lifting from the bottom using the hand cut outs in the foam base.
- DO NOT attempt to lift the machine using the spindles, column tower, or pick arm, as these are delicate pieces and are depended on for proper alignment and functioning of the unit.
- Place the system on a level workspace free of debris, dust, humidity, excessive heat, and electronic or electromagnetic interference.
- Keep out of direct sunlight.
- Allow at least six inches of clearance on all sides of unit for ventilation.
- Remove protective plastic cover from system and save along with the rest of the packaging.

2.2.2 STEP TWO Plug in the Peripherals (KVM pc inside units only)

- Plug in a monitor (VGA DSUB), keyboard and mouse (PS2 or USB) to the robot
- Attach the Ethernet cable.
- Using the enclosed 3 prong power cord, plug in the autoloader to a properly grounded AC receptacle. It is highly recommended that a surge protector is used to ensure safety in operation.
- Power on the unit using the main switch at the back
- Windows will now load and you will see the Ripstation Desktop
- Double click the icon for Ripstation DataGrabber to run the ripper application.

2.2.3 Step Three Plugging in a USB robot

- Once you have installed the software, plug the robot into the computer then turn on at the back.
- Once the found new hardware dialog has popped up, chose to install the drivers from a specific location and specify the driver's folder of the software program directory.

A small number of test DVD's may be placed into input hopper.

All successfully ripped discs will be dropped off onto the accept spindle or appropriate hopper until the system has completed the quantity of discs requested, or runs out of media. Should any discs fail to be ripped due to a blemish or otherwise; they will be placed in the robot reject area, in front of the drive stack.

2.3 Step by step guide of Robotic Hardware 7601XD

2.3.1 Step One Remove the Packing Constraints

- Carefully remove the autoloader from its carton.
- Unlock cover with the key and install the plastic rods.
- Place the system on a level workspace free of debris, dust, humidity, excessive heat, and electronic or electromagnetic interference.
- Remove protective plastic cover from system and save along with the rest of the packaging.

2.3.2 Step Two Plug in the Peripherals

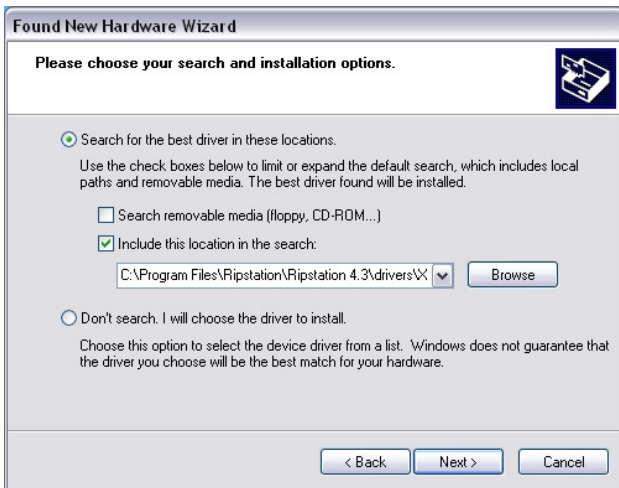
Using the power cord, plug in the autoloader to a properly grounded AC receptacle. It is highly recommended that a surge protector is used to ensure safety in operation. Then connect a USB cable from the 7601XD to the PC.

2.3.3 Step Three Installing the drivers

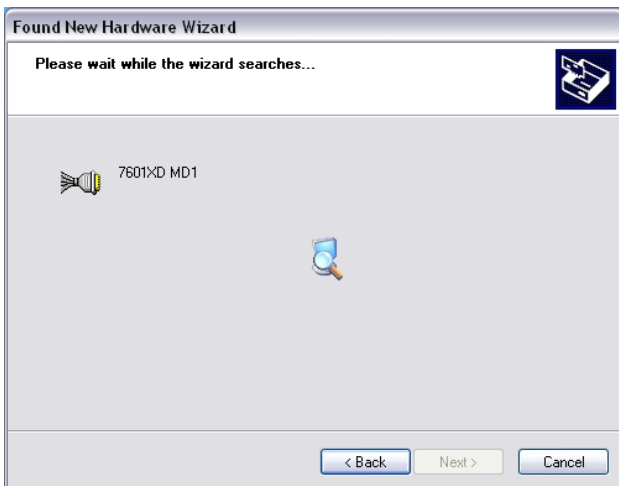
Then power on the unit using the main switch at the back of the autoloader and the "Found New Hardware Wizard" will open.



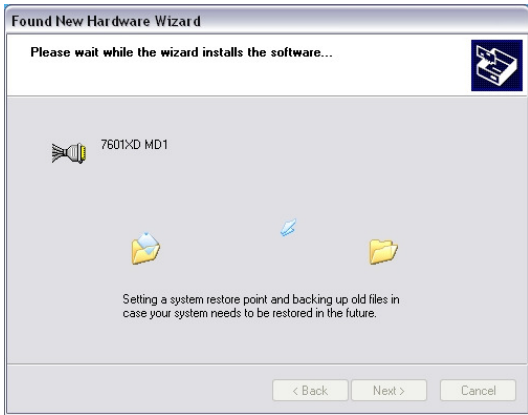
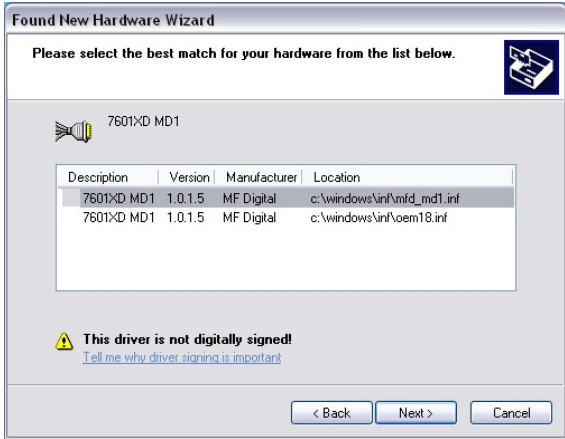
Select install from a list or specific location and click next and the Search and Installations window will open.



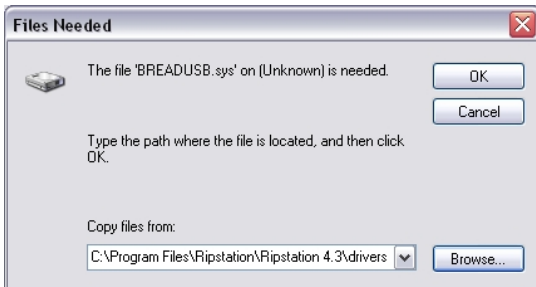
Select "include this location in this search" and browse to the XD Drivers folder which is located in the DataGrabber program folder. Then click next.

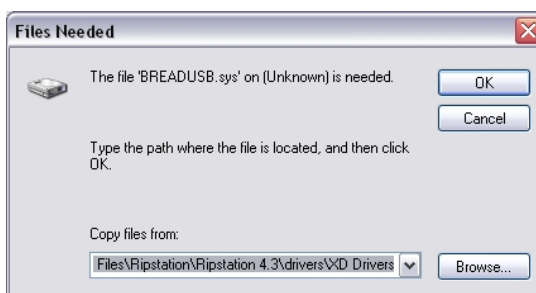
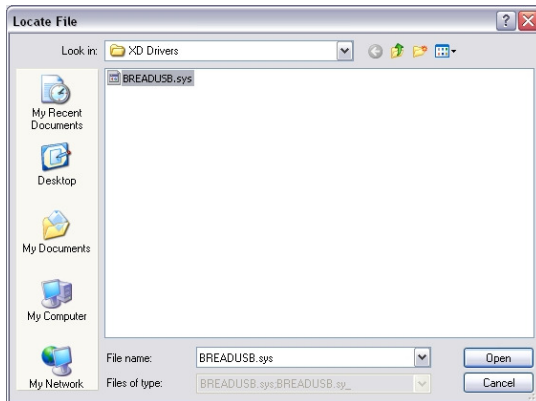


On the next window select the first driver which is mfd_md1.inf and click next.



Then another window will open that says breadusb.sys cannot be found. Browse to and open the XD Drivers folder in the DataGrabber program folder. Select the breadusb.sys file and click OK. Then click OK again.





That is the driver installation complete and you can now click finish on the new hardware wizard.



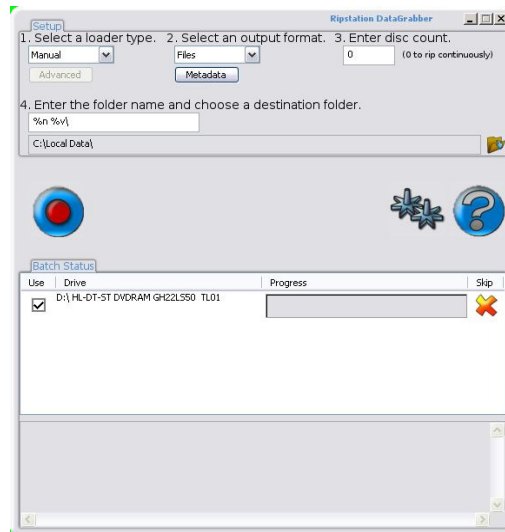
2.3.4 Step Four Loading Discs

- Discs for ripping are loaded to the top of the unit and the unit can hold 80 discs at one time.
- Completed discs are placed in the tray which can be removed from the bottom of the unit.
- Rejected discs are ejected through the slot in the front of the unit.

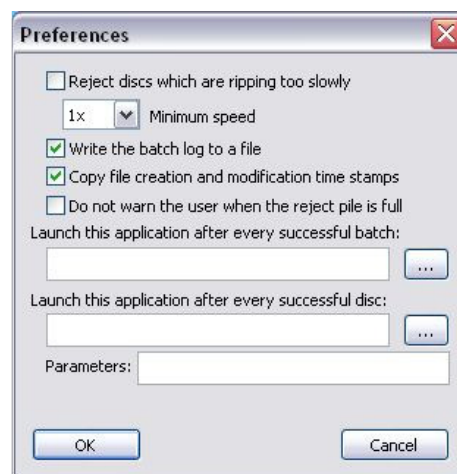
3.0 DataGrabber Quick Start Guide

Before using the DataGrabber software, please use the following steps as a 'quick start' guide to set the initial parameters and perform a simple batch rip.

1. Open the DataGrabber software and on the main screen select the loader type and the "Files" output format. This will rip the data disc to the local hard drive.





2. Click on the preferences button and check the options as below:



Ensure "Write the batch log to a file" is checked
 Ensure "Copy file creation and modification time stamps" is checked
 Then click OK to exit the preferences.

3. On the main screen enter the number of discs you wish to rip, or enter 0 to have it rip continuously

4. Choose the folder name by entering it into the text box and then the destination directory for the files to be ripped to by clicking the icon 
5. Once all the details have been entered, click the start batch button to begin ripping 

Once all of your discs are ripped, you will see a folder on your local hard drive with all the Data titles.

4.0 Main User Guide

4.1 Key Features

- Batch reporting on successful & failed discs
- Live batch process logging window
- Rip to ISO or files level
- 7601, 7601XC, 7601XD, 7601XDP & 7602/7604 Pro Series robotic autoloader and USB2.0 drive support
- Batch setup wizard
- Single touch start and drive control
- Drive stop control
- Full error checking CRC
- Fully automatically updated
- Support for DVD data, CD data and BD Data discs
- Support for up to 4 drives
- Blu-Ray Support - Unless you choose the Blu-Ray option at the time of purchase, the robotics will not be equipped with a Blu-Ray drive. If you didn't choose Blu-Ray drives at purchase you would need to upgrade to a Blu Ray drive now, to enable all Blu-Ray features.
- Creation of matching or new file stamps
- Command line execution
- Userdata.txt - file and folder pathway customisation.

4.2 DataGrabber Main Screen: Advanced Options

The DataGrabber main user interface is shown in figure 4.1 below. Operations are carried out using the button controls and information is displayed throughout the rest of the screen. Figure 4.1 shows the interface split into groups from 1 to 7 and Section 4.2.1 of the manual details each of these groups in turn.

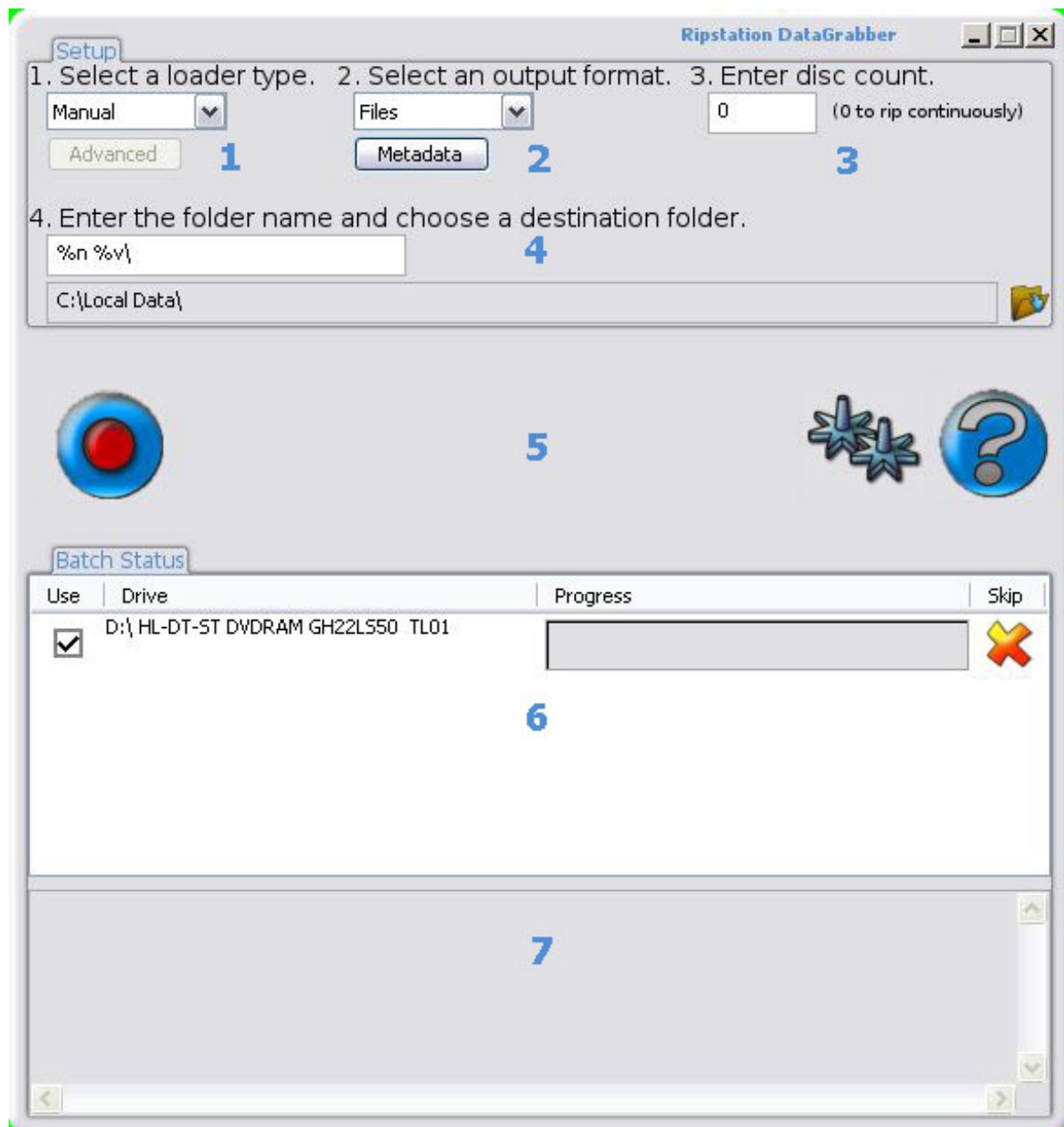
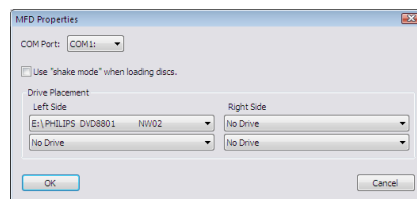


Figure 4.1 DataGrabber Main User Interface

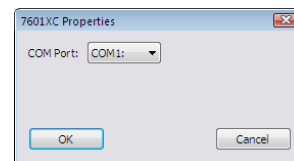
4.2.1 Button and Screen Operations

4.2.1.1 Group 1: loader type

Here the user will select from the dropdown list, which type of device they will be using, whether it is manual, MFD (7602/7604), 7601, 7601XC or 7601XD. If MFD or 7601XC is selected, the advanced button becomes active and allows further settings to be changed, such as com port selection, toggle shake mode (MFD only), and for MFD only the ability to select what side which drives are on.



4.2 MFD (7602/7604) Properties



4.3 7601XC properties

4.2.1.2 Group 2: Select an output format

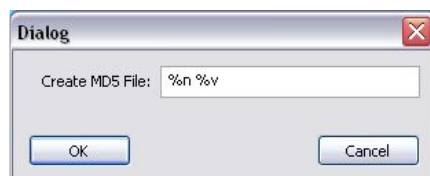
The option to rip to an ISO image or just to rip the actual files on the disc is available. To change between one and the other is simple, as the user will just select the option for the type of output they desire from the dropdown box. If you choose ISO, you should have the default pathway of %n %v\%v entered under folder name.

The following variables are available:

- %v Volume name
- %n Incremental counter
- %i Unique ID
- %s Volume Serial Number

Through the use of UserData.txt, DataGrabber allows complete customisation of the file and folder naming path through a system of user defined variables (Please contact support for further information and documentation).

Clicking on the metadata box opens the following box for MD5 file configuration:



This creates MD5 hashes of all the files ripped from a disc using the default filename extension of md5, and it also allows the user to specify the filename with all batch and disc variables.

4.2.1.3 Group 3: Enter disc count and type

Here the user will enter the amount of discs to rip, or they can set it to 0 to rip indefinitely.

4.2.1.4 Group 4: Folder name and destination

The user will enter the folder name mask to ensure each folder name is unique, and will choose the destination they want all the files saved to. The default pathway is %n %v\ for ripping to files and %n %v\%v when ripping to ISO, but, this is fully editable and you can use any of the specified above variables.

4.2.1.5 Group 5: Buttons

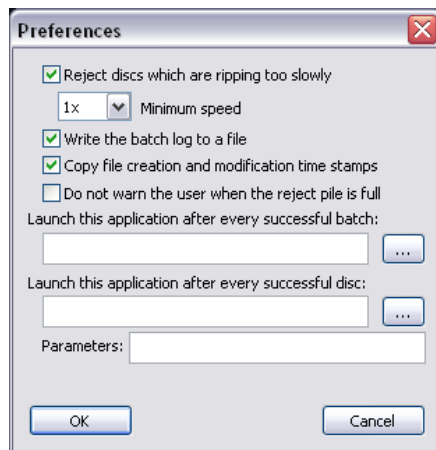
The 3 buttons are as follows:



Start batch button



Preferences – When you click on the preferences button the following dialog windows appears:



The options on this dialog are:

“Reject discs which are ripping too slowly” – This enables the user to reject discs that the unit is ripping slowly. The threshold for the minimum speed can also be set from 1x to 3x.

“Write the batch log to a file” – This writes the ripping log text from the application UI to a text file that is placed in the Local Video folder.

“Copy file creation and modification time stamps” – Switching this on enables the user to copy across the source files and folders original creation and modification time stamps. When this option isn’t checked new creation and modification time stamps are created for the files when they are ripped.

“Do not warn the user when the reject pile is full” – When selected the application will not warn the user if the application has rejected 16 or more discs.

“Launch this application after every successful batch” – Use this option to browse to the location of the application you would like to launch after every successful batch.

“Launch this application after every successful disc” – Use this option to browse to the location of the application you would like to launch after every successful disc.

“Parameters” – When an application is launched after every successful disc the parameters option enables the user to specify parameters to be passed to the external application in the same way they are specified in the output folder name field.



Help Button

4.2.1.6 Group 6: Batch Status Window

The batch status window is designed to give a dynamic preview of the current batch job, listing the attached drives, ability to optionally select each drive or not, the progress of each drive and the ability to skip the disc in that drive.

4.2.1.7 Group 7: Batch Logging Window

Real time logging of robotic operation, disc loading, metadata lookup, ripping and encoding process and failed discs. Each log entry is time stamped.

4.2.2 Main Screen Menu Options

Right click on DataGrabber in the taskbar and the following window will be displayed as shown in figure 4.4



Figure 4.4 DataGrabber Menu Options

5.0 Help and Support

Support terms are detailed in client specific contracts, but at minimum shall include 24 hour support via our online helpdesk. In addition we offer an extended warranty package which includes remote access to your site from our headquarters and extended hardware warranty coverage.

Support response is guaranteed within 24 hours.

Contact details:

Ripstation
A Division of Formats Unlimited, Inc
155 Sherwood Avenue
Farmingdale, NY 11735

EU Support:
T: +44 2890 022342

US Support:
T: +1 631 249 9393
F: +1 631 249 9273

Email: support@ripstation.com
Support Helpdesk: www.ripstation.com/support