

Manual Addendum v1.2

(for MasterISO v2.2 only)

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Asimware's New Technical Support Area On The Web

Asimware's web site (www.asimware.com) has been completely redesigned. One of the vastly improved areas of the web site is the Technical Support area. The new Technical Support area now contains a **Knowledge Base** (for answers to commonly asked questions), **Mailing Lists** (for correspondence with programmers, technical support personnel and other users) as well as a **Technical Reference** section, with information on the latest CD-ROM/R/RW and DVD-ROM/R drives.

Manual Errata

General Options Section (page 40 - paragraph 1)
General Options Section (page 57 - paragraph 2)
General Options Section (page 72 - paragraph 1)
General Options Section (page 178 - paragraph 2)
- 6x speed is 900K/s, not 600K/s

Test Options Section (page 16 - paragraph 2)
General Options Section (page 40 - paragraph 1)
General Options Section (page 57 - paragraph 2)
General Options Section (page 72 - paragraph 1)
General Options Section (page 178 - paragraph 2)
- add 8x (1200K/s)

Target Disc Size Section (page 121 - paragraph 10)
- 18 minutes should be 21 minutes

Items In The Primary Volume Descriptor Section
Copyright File (page 106 - paragraph 1)
Abstract File (page 106 - paragraph 5)
Bibliographic File (page 106 - paragraph 8)
Maximum Number of Characters in File Name Extension should be 3 and not 8

Items In The Supplementary Volume Descriptor (SVD) Section

Volume Name (page 112 - paragraph 7)

System (page 112 - paragraph 11)

Maximum Field Length should be 16 and not 32

Volume Set (page 112 - paragraph 15)

Publisher (page 113 - paragraph 4)

Data Preparer (page 113 - paragraph 8)

Application (page 113 - paragraph 12)

Maximum Field Length should be 64 and not 128

Copyright File (page 114 - paragraph 1)

Abstract File (page 114 - paragraph 5)

Bibliographic File (page 114 - paragraph 8)

Maximum Number of Characters in File Name should be 8 and not None

Maximum Number of Characters in File Name Extension should be 3 and not None

MasterISO Responsibilities (page 204 - paragraph 3)

“MasterISO will automatically generates the error correction information on-the-fly, as required.” should read

“MasterISO automatically generates the error correction information on-the-fly, as required.”.

Erasing A CD-RW Disc (page 82 - paragraph 5)

“Once a test has been completed...” should read “Once the erasing procedure has been completed...”.

Manual Changes

Software Installation Section (page 3 - paragraph 6)

Double clicking the **Install-English** icon will begin the installation procedure. Follow the on-screen instructions. To ensure that MasterISO Version 2 has been successfully installed, it is advisable to use the **Novice** installation option.

All alternate language catalogs for MasterISO may be installed using the English installer. To use alternate language catalogs, the user must ensure that the Locale features of the AmigaOS are installed and operating properly along with the appropriate country files.

General Section (page 120 - paragraph 7)

The paragraph should read as follows:

Multisession Mode: This cycle gadget allows the user to set how previous files on a multisession CD are to be interpreted by MasterISO during the building of an ISO image.

This option is unaffected by the **Finalize** option on the *Write Options* tab in the *Write Manager* window.

General Section (page 179 - paragraph 6)

Delete this paragraph.

Program Updates Section (page 199 - paragraph 6)

(1) **Via WWW**

Address: www.asimware.com

Cost: FREE

Requirement: Serial number

Instructions: Download the latest update from the Product Support / Downloads section.

Minimum Track Lengths

The minimum track length for **all** tracks is now 4 seconds, or 300 sectors. The manual incorrectly states that the minimum track length is to be 2 seconds, or 150 sectors.

Additional Information

Notes on DAO Recording

When using the *Advanced* project type to record a CD in DAO mode, each CD-R/RW drive requires that the data be supplied in a specific form.

Certain CD-R/RW drives require that MasterISO provide both the lead-in and lead-out data. Other drives simply require the user data to be supplied. In these circumstances, the CD-R/RW drive writes the lead-in and lead-out areas automatically.

The two possible situations are handled internally by MasterISO and should not be of concern to the user. However, those drives that automatically write the lead-in and lead-out areas may give the appearance that MasterISO has hung.

During the writing of the CD, MasterISO fills the memory buffer with the data to be written. Once this buffer has been filled to the value set in the **Percent Preloaded** option, the software then begins to transfer this data to the internal buffer of the CD-R/RW drive. Once the drive's buffer has been filled, the drive begins to write the lead-in area. This area is approximately a few thousand sectors in length.

During the writing of the lead-in area, the *Buffer Capacity* indicator and the *Read Position*, *Write Position* and *Operation* fields appear to be frozen in the *Write CD-R/RW Disc* window. It will appear that MasterISO has stopped functioning. This behaviour is normal for this operation.

Once the drive has completed writing the of this lead-in area, it begins to write the user supplied data. The writing procedure then appears to continue as normal.

Update Drive Firmware Option

MasterISO Version 2.2 supports the ability to flash update CD-R/RW drive firmware directly on the Amiga. This is accomplished by means of the **Update Drive Firmware** option.

Asimware Innovations Inc. and participating CD-R/RW drive manufacturers are **NOT** liable for incidental or consequential damages in connection with the performance of this software or the use of this **Update Drive Firmware** option.

This option is provided as a service to MasterISO users and it is not officially supported in any way. The flashing of drive firmware should always be performed by a technician certified by the manufacturer of the users particular CD-R/RW drive.

Supported CD-R/RW Drives

Asimware Innovations Inc., in cooperation with leading CD-R/RW drive manufacturers, have enabled the firmware of the following CD-R/RW drives to be updated via MasterISO:

- Yamaha CDR-200 (SCSI CD-R drive)
- Yamaha CDR-400t(x) (SCSI CD-R drive)
- Yamaha CDR-400AT(X) (SCSI CD-R drive)
- Yamaha CDR-400c(x) (SCSI CD-R drive)
- Yamaha CDR-2260 (SCSI CD-RW drive)
- Yamaha CDR-4260(x) (SCSI CD-RW drive)

This list of supported drives is not static. Asimware Innovations will continue working the CD-R/RW manufacturers to ensure that additional drives are added to the above list.

User Requirements

Asimware Innovations Inc. does not supply the firmware for any CD-R/RW drive. The procurement of the appropriate firmware is left to the user. Please contact the drive's manufacturer for said firmware.

Certain drive specific parameters may also be needed to successfully complete the flash process.

For the supported Yamaha drives listed above, the user must obtain the **OFFSET** necessary to flash the firmware. This information can be found by contacting Yamaha directly or in the documentation of the firmware flash file.

Important Information Prior To Flashing Firmware

The following guidelines must be followed when flashing a CD-R/RW drive's firmware:

- The system must be in proper working order **PRIOR** to the flashing of the firmware.
- The CD-R/RW drive must not be mounted as a reader by any CD-ROM file system.
- The CD-R/RW drive must not contain any media.
- The proper firmware and drive specific parameters must be obtained from the CD-R/RW drive's manufacturer.
- The CD-R/RW drive to be flashed must be selected on the *CD-R/RW Drive* tab in the *Write Manager*.
- Boot the system without a startup-sequence. Many background programs may affect the flashing process.

Please refer to the MasterISO User Guide Version 2 for more information on how to select a CD-R/RW drive.

WARNING - Incorrectly flashing a CD-R/RW drive's firmware **WILL** render the drive inoperable. Once an improper flashing procedure has been completed, the drive must be repaired by the manufacturer. Unfortunately, attempting to flash one's own firmware may render the CD-R/RW drive's warranty null and void.

Starting MasterISO With The Firmware Option Enabled

By default, MasterISO does not have the **Update Drive Firmware** option enabled. To start MasterISO with this option enabled, please start MasterISO from a Command Line Interface (CLI) window by typing the following command, followed by pressing the 'return' key:

```
MasterISO:MasterISO FIRMWARE
```

The path of the MasterISO_v2 directory may be explicitly defined as well. For example, if MasterISO Version 2 was installed on hard drive dh0:, it may be started from the CLI window with the **Update Drive Firmware** option enabled, by typing the following command, followed by pressing the 'return' key:

```
dh0:MasterISO_v2/MasterISO FIRMWARE
```

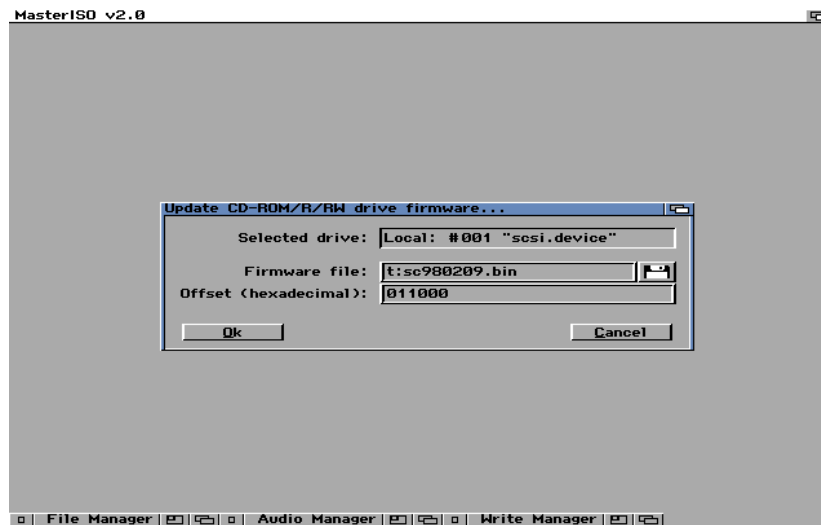
Once MasterISO has been started, the user must select the *Advanced* project type to have access to the **Update Drive Firmware** option.

Flashing The Firmware

To start the flashing procedure, select the **Update Drive Firmware** option from the **Firmware** menu.



Doing so produces the following *Update CD-ROM/R/W Drive Firmware* window:



The *Selected Drive* field displays the CD-R/RW drive whose firmware is being flashed. This field cannot be edited by the user. The CD-R/RW drive is selected on the *CD-R/RW Drive* tab in the *Write Manager*.

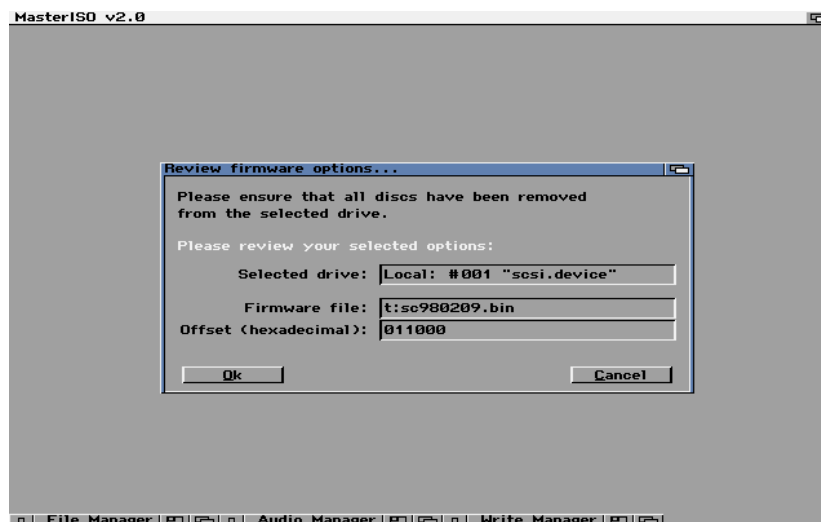
The **Firmware File** field displays the name and path of the firmware file to be flashed to the CD-R/RW drive. The user may select the file to flash by explicitly entering the path and name of the file in the field or by means of a standard Amiga requester which is activated by selecting the disk icon to the right of the **Firmware File** field.

The **Offset** field displays the required offset needed to properly flash the firmware for the officially supported Yamaha drives listed earlier in this section. This value must be obtained from Yamaha directly.

The offset must be entered in hexadecimal form, with a maximum value of ffffff.

Once all of the appropriate values have been entered, select the **Ok** gadget to continue the process. If the user wishes to abort the process, selecting the **Cancel** gadget will do so, without any adverse effects.

If the **Ok** gadget is selected, the following *Review Firmware Options* window appears:

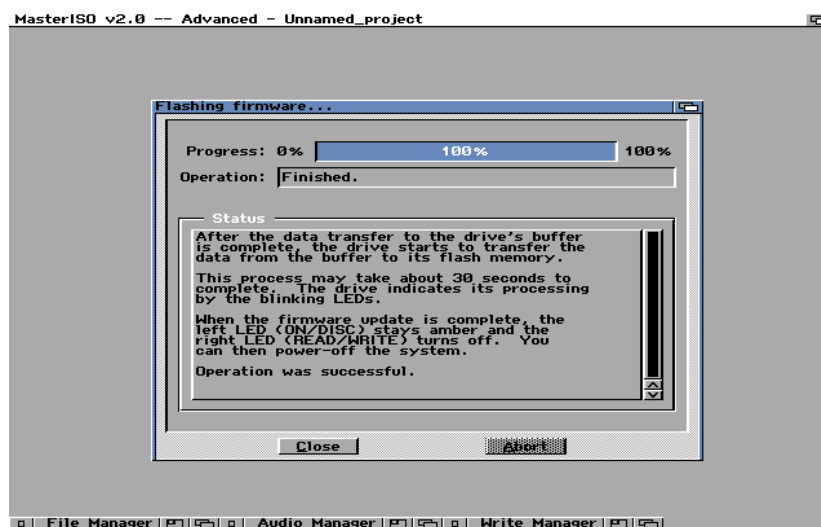


This window displays all the information that was entered in the *Update CD-ROM/R/RW Drive Firmware* window. Please ensure that the information is correct. If any information is incorrect, or there is some doubt that the selected files may be corrupted, selecting the **Cancel** gadget exits the process without any adverse effects.

WARNING - Incorrectly flashing a CD-R/RW drive's firmware **WILL** render the drive inoperable. Once an improper flashing sequence has been completed, the drive must be repaired by the manufacturer. Unfortunately, attempting to flash one's own firmware may render the CD-R/RW drive's warranty null and void.

To continue the flashing process, select the **Ok** gadget.

If the **Ok** gadget is selected, the following *Flashing Firmware* window appears:



The *Progress* indicator visually exhibits the real-time percentage of the uploading of the firmware to the drive. This indicator does **NOT** represent the completed percentage of the entire flashing process.

The *Operation* field denotes the actual operation the drive is performing at any given time.

The *Status* window displays any messages or error notices encountered during the flash uploading stage.

Upon completion of the flash uploading session, a notification is displayed in the *Status* window. Selecting the **Close** gadget returns the user back to the program.

The **Abort** gadget is disabled.

It is important to note that the above window **ONLY** displays the uploading process of the firmware to the CD-R/RW drive itself.

Once this is done, the drive itself **MUST** still flash the firmware into the drive. This may take up to a minute, depending on the drive and the size of the firmware to flash.

Please refer to documentation that accompanied the CD-R/RW drive to determine when the drive has completed the flashing process. The completion of the process is usually displayed by a specific blinking sequence of the drives LEDs.