

# **Epson**

Chris Gerrist

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**COLLABORATORS**

	<i>TITLE :</i> Epson		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# Epson

### 1.1 main

MultiScan works only with an Epson SCSI scanner.  
© 1995 by C Gerrist, Holland.

```
-----  
 \   ___ Chris Gerrist \   ___  
 \ /// A3000/25        \ /// E-Mail: C.Gerrist@inter.nl.net  
 \/// Retina GFX      \/// IRC: CG@#amiga  
-----
```

This program is shareware.

This is a unregistered version of the software.  
Needs: 68020/30/40  
256 colour window (AGA)  
KS 2.0/3.0/3.1

\*\*\* Use cycle 2 menu, it is pretty handy \*\*\*

If you register you will get the latest version and a key.  
The latest demo version can be found on aminet.

index

### 1.2 index

Installation

Buttons

To Do

---

Author

Registration

Arexx

Main

## 1.3 Installation

Installation

=====

Copy the software to your hard disk

With Icon-Information you can set;

```
device =   scsi.device
           gvpscsi.device
           z3scsi.device
```

```
unit  = 3
```

lines = 200 number of scanned lines. Set it not to low!

```
default: scsi.device and unit is set to 3
         lines 240
```

Put the MultiScan.key in S:

=====

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## 1.4 Buttons

Buttons

=====

SET

Reset

Dpi

Zoom

Mode

Sharp

Bight

Scan

Preview

Display

FileConverter

I am planning to make several drivers so this software will work with more scanners. In the future I will make the following drivers: ↵

```

HP    scsi
Agfa  scsi
Standard scsi-2
Twan  scsi

```

I don't have a parallel device on my scanner so I cannot make a parallel version. Maybe in the future.

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## 1.5 To Do

To Do

=====

1.7 \* I have put in more color modes.

\* I have changed the scanmode. From 1.0 to 1.6 I have used color page sequence reading. The scan is make in 3 passes.

From 1.7 I changed it to Color line sequence reading. The scan is than made in one pass. It deals with selected areas faster.

\* The linebuffer fail is changed. I used the wrong command to Free the memory.

1.8 I have rewrite som scsi commands. The command that get the buffer from the scanner dit not work well. It give sometime a error (no linebuffer).

Add tooltype lines. You can set it from 1 to 255. If you set it to low it get the device down. (My scsi port go mad).

If you set it to 200 or so it work well. If you dont hame many mem you can set it to 100.

This command set the number of scanned lines in one pass.

I have change the scan source.

The scsi send now error codes if the scanner goes mad.

1.9 Add Arexx interface

2.0 Rewrite the previewcode.  
Add new arexx commands.  
Enforcerhit removed  
Change save function.

To do:

\* gfx drivers Amiga (colour), Opal, Retina, Merlin, Cybervision etc.  
                  ^^^^  ^^^^^^                  \*\*\*\*\*  
                  ready ready

In the next one or two versions I wil included the CyberGraphX display ←  
source.

\* scanner drivers Agfa HP and if I can get more into I will make  
more drivers.

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## 1.6 Author

Author/support

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If you have questions or want to contact me.

C Gerrist  
Europlaan 95  
6871 ZC Renkum  
Holland

Email: C.Gerrist@inter.nl.net

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## 1.7 Registration

---



## Registration form

Name : \_\_\_\_\_

Street: \_\_\_\_\_

Zip-Code : \_\_\_\_\_

City : \_\_\_\_\_

Country : \_\_\_\_\_

Telephone : \_\_\_\_\_

I want to become registered user of the MultiScan scanner software.

- enclose a cheque  
(Europe: euro cheque)  
You must pay in Gulden !!!!!!!!

(others: drawn on a Dutch bank)

- transfer payment to  
Postbank  
Account: 7100170  
Comment: Registration MultiScan scanner software

To: C Gerrist  
Europalaan 95  
6871 ZC Renkum  
Holland

- 50 Gulden
- Send me \$35 or DM45 notes by post.

=====  
If you send me a Eurocheck you must pay in Gulden else  
I cannot register you.  
=====

(My bank charges me 20 Gulden for administration)

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## 1.8 SET

If you click on this button you can select an area.

---

You must click and drag to select the area in the preview window.  
If you click on preview the selected image may appear bigger than selected.  
The reason for this is the chunky to planer conversion.  
It can only handle widths of 32 64 96 etc. I am working on a new conversion  
method. I could use WriteChunkyPixels from the graphics.library you only need  
to have graphics.library version 40 >.  
The selected area is displayed in the gadgets x1,y1,x2,y2

BUTTONS

## 1.9 Reset

Reset the area to 0,0,352,491, this is the default.

BUTTONS

## 1.10 DPI

Set the dpi of the scanner. It sets the X and Y dpi. Maybe I split ↔  
this.

(use cycle to menu). DPI go from 50 to 600 dpi. I have a GT 6500 and this  
scanner can use all the DPI settings. If you have a GT 1000 than you can  
only use 50, 100, 200. Look in the manual.

If you have selected an area and you change the dpi the new resolution  
of the scanned image are recalculated. In ScanResX and Y you can see the  
size of the final image.

BUTTONS

## 1.11 Zoom

You can set 50 to 200 zoom. It sets X and Y. Maybe I split this.

If you have selected an area and you change zoom the new resolution  
of the scanned image are recalculated. In ScanResX and Y you can see the  
size of the final image.

BUTTONS

---

## 1.12 Mode

With this cycle gadget you can set the scanner mode. In the final ↔  
version  
you can use to following modes

mono 2	grays	
mono 4	grays	
mono 8	grays	
mono 16	grays	
mono 32	grays	*
mono 64	grays	*
mono 128	grays	*
mono 256	grays	*

colour 8	colours	
colour 64	colours	
colour 512	colours	
colour 4096	colours	
colour 32768	colours	*
colour 262144	colours	*
colour 2097152	colours	*
colour 16777216	colours	*

\* available

BUTTONS

## 1.13 Sharp

You can set a sharper or fuzzy image.

BUTTONS

## 1.14 Bright

You can make a brighter or darker image.

BUTTONS

## 1.15 Scan

---

Scan an image in the selected mode. It opens a requester and asks for a save name. This is the name of the scan file. You don't need a lot of memory. The scanfile is not a standard iff file. You must convert the scanfile to a iff file. This only works in the registered version.

BUTTONS

## 1.16 Preview

This function makes a preview scan in 256 gray tones. If you select an area this area would be scanned and displayed on the preview window.

BUTTONS

## 1.17 Display

If you have made a scan in true colours and you click on this button the scan will be shown on the selected gfx board. Not all the boards are implement yet.

Only the code for the Retina and Opal gfx board are ready.

BUTTONS

## 1.18 Fileconverter

Click on this button for converting a scanfile to a iff file. This function works only in the registered version.

BUTTONS

## 1.19 Arexx

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## Arexx

-----

The follow Arexx commands are implemeted. Soon there wil be more commands.

## SET\_BRIGHT

SET\_BRIGHT 3

Set the bright of the scanner. The number goes from 0 to 6.

0 = lighter

1

2

3 = normal

4

5

6 = darker

-----

## SET\_SHARPNESS

SET\_SHARPNESS 2

Set the sharpness of the scanner. Input goes form 0 to 4

0 = Very defocused

1

2 = Normal

3

4 = Very sharp

## SET\_ZOOM

SET\_ZOOM 95

Set the zoom option. The result is only for the image scan not for preview scan.

Input goes from 50 to 200

-----

## SET\_MODE

SET\_MODE 1

1 = 24 bit TRUE color

2 = 21 bit " "

3 = 18 bit " "

4 = 15 bit " "

5 = 256 gray tones

6 = 128 " "

7 = 64 " "

8 = 32 " "

-----

---

SET\_AREA x1 y1 x2 y2 (begin xy - end xy)

SET\_AREA 10 10 320 256

----

SCAN\_PREVIEW

Scan a preview. It wil display the image on the preview window.

----

SCAN\_IMAGE FILE "filename"

SCAN\_IMAGE FILE "ram:temp"

---

SCAN\_CONVERT INFILE "filename" OUTFILE "filename"

SCAN\_CONVERT INFILE "ram:temp" OUTFILE "ram:temp.iff"

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