

BetaScan

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COLLABORATORS

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Chapter 1

BetaScan

1.1 BetaScan Manual

BetaScan 1.0

A scanner program for the Amiga

by

Svend Daugaard Pedersen

Overview
System Requirements
Installation
Using BetaScan
Tested Systems
How it was made
Thanks
Author
Future

1.2 Overview

Overview

BetaScan is a general scanner program for the Amiga (se System Requirements).
It is designed to be used with virtually any scanner for which a driver exists.

For the time being only one driver exists: Microtek ScanMakerE3 (or Microtec
Phantom 4800, which is in fact a ScanmakerE3).

1.3 System Requirements

System Requirements

Any Amiga with at least 68020 processor and Kickstart 3.0.

Recommended: at least 8Mb RAM, 50Mb free disk space and a graphics card with CyberGraphX.

1.4 Installation

Installation

There is no install script for this program -:(

However, the installation is very simple :-)

Move the BetaScan drawer to the desired place. That's all.

1.5 Using BetaScan

Using BetaScan

- Starting BetaScan
- Control Buttons
- Preview Window
- Configuration
- Color Mode
- Scan Size
- Advanced Settings

1.6 Starting BetaScan

Starting the program

BetaScan may be started from CLI or from Workbench in the usual way.

The first time you start the program, a screen requester pops up allowing you to select a screen and the number of colors.

This screen requester will pop up at program start until you have made a real configuration.

1.7 Control Buttons

Main Control Buttons

In the upper left part of the BetaScan window you find the five main program control buttons:

Stop	The program stops. No requester will pop up since there is nothing seriously to loose.
Photo Copy	The area selected by the frame in the preview window is scanned and send directly to the printer. TurboPrint is supported.
Scan File	The area selected by the frame in the preview window is scanned and send to the selected output file.
Zoom	The area selected by the frame in the preview window is scanned and shown enlarged in the preview window.
Preview	The whole document is scanned and is shown in the preview window.

1.8 Preview Window

The Preview Window

The big area below the Control Buttons is used to show a preview of the document.

The red frame bounds the area that wil be scanned (see Control Buttons). The frame can be sized or moved by the mouse (click on the small squares and move the mouse). To get a precise position and size use the button Frame...

1.9 Configuration

Configuration

In this section you can set the main program parameters (Config..) and the name and type of the output file.

The first time you use the program you should set screen mode, select the scanner and set the size of the RAM buffer (Config..).

1.10 Program Parameters

Setting the Main Program Parameters

Screen.. Select the screen to be used by BetaScan.

If you choose an AGA screen (Amiga 1200 and Amige 4000) you can select the number of colors, too. But don't expect a true color preview picture if you select a 16 color screen!

Scanner.. Select your scanner.

IO-Device.. Select the IO-Device the scanner is connected (most often SCSI) and the unit number.

TmpDir.. The directory to place temporary files if the RAM buffer is too small to hold the whole picture.

RAM Buffer Select the size of the buffer to hold the scanned picture during scanning.

1.11 Output File

Select Output File Name and File Type

The available file types are JPEG and ILBM (24 bit color, 8 bit gray scale or 1 bit B/W).

B/W JPEG are stored as grey scale pictures.

1.12 Color Mode

Color Mode

The modes available depends on the scanner. If Halftone is selected a list view appears allowing you to select the pattern.

1.13 Scan Size

Scan Resolution and Size

The resolution is measured in dpi (dots per inch). By pressing Frame.. you can set the area of the picture to be scanned. The size and position are measured in mm.

The size of the scanned picture is shown. The number is influenced by resolution, Color Mode and frame size. The size is not the size of the file which is normally smaller.

1.14 Advanced Settings

Color Correction

The available color correction modes are scanner dependant.

Most scanners support gamma correction as well as brightness and contrast adjust. The result of a change of one of these correction values is immediately shown on the preview picture.

NOTE! Moving the slider require a lot of CPU power if you use a 24 bit screen. It might be better to use an 8 bit screen. The colors are almost as good as on a 24 bit screen.

1.15 Tested Systems

BetaScan has been tested on the following systems:

A3000 030/25 with
OS 3.1
CyberStorm 060/50
100 Mb RAM
3.2 Gb HD
CyberVision64 with CyberGraphX
External CD ROM and Syquest EZ Flyer
Microtek Phantom 4800

A3000 030/25 with
OS 3.1
16 Mb RAM
0.25 Gb HD
Microtek Phantom 4800

A4000 040/25 with
OS 3.0
16 Mb RAM
0.12 Gb HD
(no scanner)

1.16 BetaScan author

Send any suggestion, bug report or compliment :-) to:

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1.17 How BetaScan was made

BetaScan - version 1.0 5'th june 98

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BetaScan was compiled with StormC ® ver. 3.0

The Microtek ScanmakerE3 driver was compiled with SAS/C ® 6.57

The GUI was made with CIT, an object oriented gadget system made by the author.

BetaScan, as well as all the accompanying files, is
©1998 Svend Daugaard Pedersen.

1.18 BetaScan's author would like to thank...

BetaScan's author would like to thank...

Amiga For being the best platform to 'work' on. And still
alive in spite of some sad facts.

SAS/C ® The compiler I have used for years.

StormC ® A C/C++ compiler with an excellent development environment,
and finally (from ver. 3) producing stable and effective code.

IJG The Independent JPEG Group's JPEG software for some useful
routines.

1.19 Future

First of all more scanner drivers must be made. But it seems to be very
difficult to get informations about scanners.
