

# **DT\_MacPict2**

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COLLABORATORS

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REVISION HISTORY

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# Contents

<b>1</b>	<b>DT_MacPict2</b>	<b>1</b>
1.1	MacPict2 datatype . . . . .	1
1.2	introduction . . . . .	1
1.3	installation . . . . .	1
1.4	requirements . . . . .	2
1.5	macpaint . . . . .	2
1.6	notes . . . . .	3
1.7	How to contact . . . . .	3
1.8	history . . . . .	3
1.9	todo . . . . .	4
1.10	binhex . . . . .	4
1.11	MacPICT2 datatype Index . . . . .	4

# Chapter 1

## DT\_MacPict2

### 1.1 MacPict2 datatype

Macintosh PICT2 Datatype

Written by Erik Engdahl

This software is subject to the "Standard Amiga FD-Software Copyright Note".  
It is FREEWARE as defined in paragraph 4a.

For more information please read "AFD-COPYRIGHT" (Version 1 or higher).

- AFD-Copyright
- Introduction
- Requirements
- Installation
- Notes
- History
- To do

Wanted: Example pictures in MacPICT format (both working with the datatype and ↔  
not)

### 1.2 introduction

Starting with OS Release 3 the Amiga has the concept of 'datatypes', which allow reading and viewing files of different types and formats. The different datatypes may be viewed with programs like MultiView or used as objects in programs.

### 1.3 installation

Use the supplied installation script to install the datatype or use the hard way described below.

NOTE! If you have the MacPaint datatype installed the recognition

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have to be replaced with the supplied one.

Copy the file "macpict.datatype" into the "SYS:Classes/DataTypes" drawer. The "Macintosh PICT2" and "Macintosh PICT2.info" files should be placed in the "DEVS:DataTypes" drawer. In order to use the datatype you will need to reboot the machine.

The "Macintosh PICT2" datatype distribution should consist of the following files:

```

classes (dir)
  datatypes (dir)
    MacPict.datatype.000          MacPict.datatype.020
devs (dir)
  datatypes (dir)
    Macintosh PICT2              Macintosh PICT2.info
docs (dir)
  AFD-COPYRIGHT                  AFD-COPYRIGHT.info
  AFD-COPYRIGHT.se               AFD-COPYRIGHT.se.info
  MacPict2-dtc.guide             MacPict2-dtc.guide.info
  MacPict2-dtc.readme
Macpaint (dir)
  desc_macpaint.c                dragon.marp
  dragon.marp.info               IMPORTANT.readme
  IMPORTANT.readme.info          MacPaint
  MacPaint.info                  nebula.marp
  nebula.marp.info               org_desc_macpaint.c
desc_MacPICT2.c                  docs.info
Install                          Install.info
Macpaint.info                    test.pict
test.pict.info

```

## 1.4 requirements

To use datatypes, you need at least Amiga OS Release 3.0 . Older versions will not be sufficient.

This datatype does not make use of any features in the picture.datatype v43 and v39 will do the job, but a update to v42 is recommended (can be found on AmiNet).

## 1.5 macpaint

MacPaint pictures is black and white of the fixed size 576x720 pixels and packed with the PackBits method. The maximum filesize are 53072 bytes, including the 512 byte header and worst case packing. Some notes about this format can be found on Apples web-pages (Technote PT 24) and in the NetPBM archive.

The MacPaint datatype can be found on the NDU3.1 disks, but the

recognition identifies PICT files as MacPaint files. To use both datatypes the original MacPaint descriptor have to be replaced with the included.

## 1.6 notes

Please read the notes about MacPaint.

Other usefull tools: BinHex (to decode \*.hqx files)

About this datatype

The datatype is based on the example by Andreas R. Kleinert (Aminet:dev/c/C\_V43-DT.lha) and on the NDU3.1 documents.

The recognition is made with the "dtdesc" program from the NDU3.1 disks, and based on the documentation by David Junod. The recognition is essentially done with a function (the source code is supplied).

The dtdesc program is buggy (under WB 3.0 anyway), do not try to load a new descriptor after the first. You have to quit the program after one descriptor and the restart it.

## 1.7 How to contact

Got any bugs to report or any comments, just send me a mail.

Erik Engdahl:

E-mail: vac.eren@memo.volvo.se

Snail mail:

Erik Engdahl

Skaraborgsgatan 14

565 31 MULLSJOE

SWEDEN

## 1.8 history

v39.1

Updated the datatype with the essential changes in C\_V43-DT which follows the specifications of datatype.library v45.

Some changes in the installer.

Enhanced the documentation and included a test-picture in MacPICT2 format.

Included special CPU versions (for 020+ and 000).

v39.0

First release.

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## 1.9 todo

Faster.  
(Process bigger pictures.)  
Support other types than version 2, subcode 0xff.  
Preferences.  
Save method for PICT2 format.  
Allow RAM to be the data-source.

## 1.10 binhex

The readme file:

Short: BinHex 4.0 (Hqx7) encoder/decoder  
Author: Nik Soggia <nsoggia@telnetwork.it>  
Uploader: nsoggia@telnetwork.it  
Version: 37.04  
Type: util/arc  
Replaces: util/arc/binhex373a.lha

BHD 37.04 (12.12.96) added break signal support  
BHE 37.04 (12.12.96) added break signal support  
guide 37.10 (30.11.96) same as last release

These two programs are able to decode and encode the #?.Hqx files  
(TEXT/BNHQ) and the MIME "application/mac-binhex40" Content-Type.

## 1.11 MacPICT2 datatype Index

Index

Address  
AFD-Copyright  
BinHex  
Bugs  
History  
.hxx files  
MacPaint  
Recognition  
To Do