

**PicView**

<b>COLLABORATORS</b>
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# Chapter 1

## PicView

### 1.1 PicView V2.00

```
PicView V2.00
=====

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All rights reserved.

~~~Introduction~~~
~~~Requirements~~~
~~~Installation~~~
~~~~~Starting~~~~~

~~ Preferences ~
~~~~~ Using~ ~~~~

ARexx

~Copyright~notice~
Registration
~~~~~Author~~~~~

Acknowledgments
History
```

### 1.2 Acknowledgments

Acknowledgments

Thanks to:

Stefan Stuntz  
for the development of the MUI object library. Without it, PicView  
wouldn't exist.

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---

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and all users, which had write to me.

## 1.3 Introduction

### Introduction

If you have a large collection of pictures and you don't know where a special one is located, you should take a look at PicView.

With PicView you can create a catalog of your pictures very easily. PicView will load pictures and render small images (thumbnails) from it. These thumbnails are displayed in a list. From there you can show the pictures or you can ask for some information such as the path, name, resolution and so on. Furthermore you can delete, move or rename pictures with PicView. For easier searching you can classify the pictures into max 255 different groups. Every picture can belong to max 4 groups.

## 1.4 Requirements

### Requirements

PicView needs at least Workbench 3.0, because it loads all pictures using the

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datatypes.library. In addition it requires MUI V2.3+ from Stefan Stuntz to layout the user interface.

Of course you should also have some memory and hard disk space for PicView.

And last but not least you need an AMIGA.

## 1.5 Starting

Starting

From Workbench you start PicView by double-clicking on its icon. Starting from the shell is also possible. You can give a catalog as argument.

## 1.6 Using

Using

PicView is as easy to operate like the Workbench. You have to select a picture, before you can start some operations on it. To select a picture into the list, click with the mouse pointer on it. Like the workbench you can also select more than one pictures by pressing the 'Shift' key and clicking on some pictures. In addition you can also frame the pictures with the mouse.

Double-clicking an thumbnail will display the picture.

All program actions are available via menu. In addition you can switch on a groups with buttons at the right window border, with include the more wanted program actions.

The PicView menu

Projekt	Picture	List	ARexx
About...	Add	Select All	Start Script
-----	Select...	-----	
New	Remove	-----	
Open	-----		
Save	Edit	Show...	
Save Select	-----		
Save as IFF	Show	Sort	
-----			
Preferences			
-----			
Quit			

## 1.7 About...

About...

A window will be opened with some informations about the program and the user.

## 1.8 New

New

The current catalog will be cleared after a confirmation request. Now you can create another catalog with new pictures.

## 1.9 Open

Open

Select the file to load into PicView from the file requester.

PicView will get the thumbnail size and color mode from the file. The groups will also loaded from the file.

## 1.10 Save

Save

Use the file requester to select a directory and file name under which you wish to save the catalog.

The thumbnail size, color mode and all groups will be also saved.

The loading and saving can be interrupted by pressing the 'Abort' button.

## 1.11 Save Select

Save Select

This functions work as the same as the Save function, but only the selected pictures will be saved into the file.

## 1.12 Save as IFF

Save as IFF

You can save all the thumbnails as picture(s).

An additional window will be open. Here you can choose the file name, the screen mode and the width and height of the picture. You can enable or disable the printing of the picture names below the thumbnails.

If there is more than a picture required the name will have a number appended.

The options are also saved with the preferences.

---



## 1.13 Quit

Quit

Quit PicView.

## 1.14 Add

Add

Select somw pictures from file requester to place into the catalog.

You can give also an AmigaDOS pattern. If there is a pattern given, you will be asked if you only want to search the current directory or if you want to search all subdirectories also.

If you scan a directory twice, PicView will only include pictures which are not yet in the catalog. PicView uses the name, directory and date to identify a picture. If there is a picture with the same name and path as one already in the catalog, PicView uses the date to determine what to do. The picture will be updated if the date is different or ignored if the date is the same.

You can stop PicView at any time while pressing the 'Abort' button.

## 1.15 Add Dir

Add Dir

Choose the directory, which is searched for any pictures. All pictures are found (recognized) will be added to the current catalog. You can also scan all subdirectories.

Use the 'Abort' button to stop the scanning.

## 1.16 Remove

Remove

After a security request all selected pictures will be removed from the current catalog. You can delete the pictures also from hard disk, by pressing the 'Catalog & Disk' button.

## 1.17 Edit

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### Edit

There comes up another menu with the following functions:

#### Rename

Enter a new name for a certain picture. It is also possible to rename the picture on hard disk.

For every select picture you will asked for a new name.

#### Comment

Comment all selected pictures in the database or in the database and on hard disk.

#### Groups

A window will be opened with a list of all groups. Now you can choose max 4 groups to which the picture should belong.

#### Move

Choose in the directory request a new path, where the pictures should move to. The pictures can also moved an hard disk.

## 1.18 Show

### Show

All selected pictures will be displayed. You can switch to the next one by pressing the left mouse button or any key. The displaying can be stoped by pressing the right mouse button or the ESC key.

The choosen picture viewer from the preferences will be used.

## 1.19 Info

### Information

The 'Information' window will be opened. Here you can see the data for a picture.

Following information will be displayed:

- Path : the path where the picture is located
- Name : the file name of the picture
- Comment : the comment for that picture
- Format : the file format
- Resolution : width x height x depth from picture
- Screen Mode : the screen mode for displaying

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ModeID : the modeID from screen mode  
Size : the file size  
Date : the date from file  
Time : the time from file  
Group : all groups to which the picture belongs

The window can be closed by pressing the 'Close' button.

## 1.20 Select All

Select All

All pictures of the current catalog will be selected.

## 1.21 Select...

Select...

A window will be opened to enter a pattern for picture selection.

All entries will be AND-associated. This means, that all entries have to match for selecting a certain picture.

If there is no input to an entry it will be ignored.

All input is incase-sensitiv ('Amiga' = 'AMIGA').

Path

Give the path of the picture. You can enter a complete path or a AmigaDOS pattern.

example:

Pic:Holiday/Summer95 - all pictures are located in this path will be selected  
#?Winter#? - all pictures will be selected, with are located in any path called 'Winter' or 'Winter95' or 'last\_winter' etc.

Name

Give the complete picture name or a pattern.

example:

At\_Sea.iff - for all pictures named 'At\_Sea.iff'  
Party#?.iff - for all pictures with include the word 'Party' in his names

Comment

Give the complete comment or a pattern.

---

example:

Holiday 95	- for all pictures with exact this comment
Holiday#?	- for all pictures with comment start with the word 'Holiday'

Format

Give thge file formats to which the picture should belong.

Gruppe

Select the groups to classify a picture. If you select more than one group, all will be OR-associated. That means, that only pictures will be selected, which belongs to one of the choosen groups at least.

## 1.22 Show All

Show All

All pictures will be displayed into the list again.

Read also Show....

## 1.23 Show...

Show...

A window will be opened to enter a pattern to display pictures in the list. All pictures don't match to this given pattern will be hidden.

The windows entries match to these from Select... function.

To display all pictures again use the Show All function.

## 1.24 Sort

Sort

A window will be opened to enter the oredor of sorting rules.

example:

Order in List	Sort
Path	At first the path will be compared, then
Name	the name etc.
...	
Format	At first the file format will be compared,
Size	then the file size, then the date and time
Date	etc.

...

## 1.25 Start Script

Start Script

Choose a ARexx script from file request to execute it.

## 1.26 Copyright

Copyright

This software is subject to the "Standart Amiga FD-Software Copyright Note". It is SHAREWARE as defined in paragraph 4s.

For more information please read AFD-COPYRIGHT.

To use PicView without restrictions, you have to register.

## 1.27 Registration

Registration

With the unregistered version from PicView you can't save or load the preferences. To do this you will need a key file.

If you want to register PicView, please send the completed order form and either DM 30,- or US\$ 20,- to the following address:

Holger Papajewski  
Johann-Mühlpfort-Str.2d  
39288 Burg

GERMANY

After this you will get the latest version of PicView and a key file registered to your name. With this key file you can use PicView without any restrictions.

## 1.28 Author

The Author

PicView was written by Holger Papajewski.

If you have any questions, remarks, suggestions or bug reports please let me know. You can contact me at the following addresses:

---

internet:  
papa@ami.boerde.de

normal mail:  
Holger Papajewski  
Johann-Mühlpfort-Str.2d  
39288 Burg  
  
GERMANY

Home Page:  
<http://www.boerde.de/~papa/>

Here you will always find the current PicView version and some additional things like further translation of the documentation or catalog files.  
For now there is a french translation for the documentation and installation.

## 1.29 Installation

### Installation

Please install PicView by using the supplied installation script for Commodore's installer program. You can choose the directory for the program and documentation. The locale files will also be installed.

## 1.30 Preferences

### Preferences

You access the preferences window from the 'Project' menu. Here you can setup PicView at you own wishes.

While saving the options from preferneces window the options from 'Save as IFF' window will be also saved.

The preferences window is shared into 6 groups.

- Misc
- Image
- File
- Viewer
- Groups
- ARexx

## 1.31 Misc

Here you can setup how to operate with PicView in general.

### Button Bar

---

Switch the button bar at the right window border on or off.

#### Show Name

Enable or disable the displaying of the picture name below the thumbnail.

#### Security

Here you can enable some additional security request bevor some actions will be executed.

#### Info Text Format

Here you can setup the format of the short information line in the upper part of the main window. There are some token defined, with will be replaced by the picture data.

- %P - path
- %N - name
- %C - comment
- %F - file format of the picture
- %w - width
- %h - height
- %d - depth
- %s - file size
- %W - weekday
- %D - date
- %T - time
- %m - screen mode id
- %M - screen mode text

Between the token you can insert some text.

example:

```
%N Format: %F Resolution: %wx%hx%d
```

output in info line

```
Amiga.iff Format: ILBM Resolution: 640x512x8
Park.jpg Format: JFIF Resolution: 640x480x8
```

For an easier using all token are placed into a list, which will be displayed after pressing the button by the input line. After double-click the entry in the list, it will be insert into the input line at the aktuell cursor postion.

#### Log File

While adding new pictures you can re-direct all error messages into a log file. Then all actions will be reported into this file. This is very useful if you want to insert a large number of pictures, for instance from a CD. If there is a very big picture and you haven't enough memory, PicView will break the adding with a request. This will not happened if you use a log file. Then PicView write the name of the picture and the error message into the file and continue with the next picture.

#### Log Name

---

Enter the path and name for the log file.

## 1.32 Image

Here you setup the thumbnails, the little images in the list.

Color

You can switch between gray and color mode.

Max Gray

Enter the number of gray values with will be maximal used.

Width & Height

Give the dimensions of the thumbnail in pixel.

Space

Give the space between two thumbnails.

Differ

PicView pay attention of the pictures aspect while scaling it. But in some cases there are badly looking small stripes at the thumbnails border produced. The differ value says PicView how many pixel can be added in all directions to make the thumbnails fit into the given size.

Dithering

Choose the algorithm for dithering the thumbnails.

## 1.33 File

Setup options hoew to operate with catalog files.

Default File

Sets which file should be loaded at program startup. Enter the directory and name of the file here.

Use XPK

PicView is able to store the data into a XPK compressed file. Here you can enable or disable this option. You can also choose method and mode for packing.

This is only available if you have the XPK library installed.

---



## 1.34 Viewer

PicView is also able to use for every picture format a own viewer.

With help of the `datatypes.library` PicView recognize every new picture format and make an entry in this list. The internal screen viewer is setup be default.

To choose an own viewer, select the picture format in the list. Now choose the preferred viewer with the button below the list. This viewer are available:

- \* Internal Screen:

PicView will open an own screen to view the picture.

- \* Internal Window:

A window will be opened at the current PicView screen to display the picture. If the picture is grater than the screen, it will be scaled.

- \* Extern:

If you like another picture viewer better than the built in viewers, you should activate this option. Now you can enter the command line for the viewer into the string gadget. Use `'%s'` where the filemae should be substituted.

example: `Work:Utilities/Multiview "%s" SCREEN`

It is recommend to set the `'%s'` into quotes, because there are some problems otherwise, it there is a blank into the file name.

## 1.35 Groups

With PicView you can categorise your picture into 255 groups. Every picture can belong to maximal 4 groups. Here you can define or change the groups names.

To create a new group, press the `'Add'` button and enter the name into the input line.

Selecting a group in the list and pressing the `'Remove'` button will delete this group.

If you want to rename a group, select it in the list and change the name in the input line.

## 1.36 ARexx

PicView is able to start ARexx programs. For scripts you need frequencely there is the possibility to add them to the ARexx menu.

To add an Arexx program press the `'Add'` button and select the script into the file requester.

To remove a special one, select it in the list and press the `'Remove'` button.

---

## 1.37 ARexx

### ARexx Command List

ABOUT	- opens the about requester
ADDPIC	- add new picture to the current catalog
COMMENTPIC	- comments a picture
GETENTRIES	- get number of catalog pictures
GETNEXTSELECT	- get handle to next selected picture
GETPICDATA	- get some data from picture
MOVEPIC	- moves a picture
NEWPROJECT	- clears current catalog
OPENPROJECT	- opens a new catalog
REMOVEPIC	- removes a picture
RENAMEPIC	- renames a picture
SAVEPROJECT	- saves the current catalog
SAVEASIFF	- saves the current catalog as IFF picture
SELECTLIST	- selects some pictures
SHOWLIST	- shows only certain thumbnails
SHOWPIC	- shows a picture

### ARexx-Scripts

MakeAscii.rexx - writes an ASCII file with the picture informations of the current catalog

MakeGuide.rexx - writes an AmigaGuide file with the picture informations of the current catalog

SlideShow.rexx - shows all select pictures

## 1.38 COMMENTPIC

comments a picture

Command	Options	Function
-----		
COMMENTPIC	HANDLE/A/N	a number between 0 and GETENTRIES -1
	COMMENT/A	new comment for the picture
	DISK/S	comment also on hard disk

## 1.39 MOVEPIC

moves a picture

Command	Options	Function
-----		
MOVEPIC	HANDLE/A/N	a number between 0 and GETENTRIES -1
	PATH/A	new path for the picture
	DISK/S	move also on hard disk
	FORCE/S	no security request

## 1.40 RENAMEPIC

renames a picture

Command	Options	Function
-----		
RENAMEPIC	HANDLE/A/N	a number between 0 and GETENTRIES -1
	NAME/A	new name for the picture
	DISK/S	rename also on hard disk
	FORCE/S	no security request

## 1.41 REMOVEPIC

removes a picture

Command	Options	Function
-----		
REMOVEPIC	HANDLE/A/N	a number between 0 and GETENTRIES -1
	DISK/S	remove also on hard disk
	FORCE/S	no security request

## 1.42 SHOWPIC

shows a picture

Command	Options	Function
-----		
SHOWPIC	HANDLE/A/N	a number between 0 and GETENTRIES -1
	TIMEOUT/K/N	max time in seconds, which the picture should displayed

## 1.43 GETNEXTSELECT

get the handle of the next selected picture

Command	Options	Function
-----		
GETNEXTSELECT	(keine)	returns the handle of the next selected picture if no next, a -1 will be returned
	START/S	get handle of the first selected picture

Beispiel:

```
/* show path and name of all selected pictures */
options results
address PICVIEW.1

getnextselect start
do while result ~= -1
    getpicdata result FILE
```

```

    say result
    getnextselect
end

```

## 1.44 GETPICDATA

get some data from a picture

Command	Options	Function
GETPICDATA	HANDLE/A/N DATA/M	a number between 0 and GETENTRIES -1 a list with some key words separated by a blank
		<ul style="list-style-type: none"> <li>* NAME - name</li> <li>* PATH - path</li> <li>* FILE - path and name</li> <li>* COMMENT - comment</li> <li>* WEEKDAY - creation weekday</li> <li>* DATE - creation date</li> <li>* TIME - creation time</li> <li>* WIDTH - width</li> <li>* HEIGHT - height</li> <li>* DEPTH - depth</li> <li>* SIZE - file size</li> <li>* FORMAT - file format</li> <li>* MODEID - screen mode id</li> <li>* MODETEXT - screen mode text from display data base</li> </ul>

If there are more than one key word, the results will be separated by a blank.

## 1.45 GETENTRIES

get number of catalog pictures

Command	Options	Function
GETENTRIES	(keine) SELECTED/S	get the total number of pictures of current catalog get only the number of selected pictures

## 1.46 ADDPIC

add picture(s) to the current catalog

Command	Options	Function
ADDPIC	FILE/A ALL/S	complete path and name of the picture to add, or a pattern (example: "Pic:Amiga.iff" "Pic:#.iff") - if FILE is a pattern, all pictures match that pattern will be added

- if FILE is a directory only, all pictures will be added  
subdirectories will be also processed

## 1.47 ABOUT

opens the about window

Command	Options	Function
ABOUT	(keine)	opens the about window

## 1.48 NEWPROJECT

clears the current catalog

Command	Options	Function
NEWPROJECT	(keine) FORCE/S	clears the current catalog without security request

## 1.49 OPENPROJECT

loads a new catalog

Command	Options	Function
OPENPROJECT	FILE/A	file to load

## 1.50 SAVEPROJECT

saves the current catalog

Command	Options	Function
SAVEPROJECT	FILE/A SELECTED/S	file to save save only selected pictures

## 1.51 SELECTLIST

select some catalog pictures

Command	Options	Function
SELECTLIST	NAME/K	complete name or pattern

---

	(example "#?.iff", "Amiga.iff")
PATH/K	complete path or pattern (example "Pic:Clipart/#?", "Work:Pictures")
COMMENT/K	complete comment or pattern
FORMAT/K	file format(s) of picture, separated by ' ' (example "ILBM", "GIF JFIF ILBM")
GROUP/K	groups to which the picture should belong, separated by ' ' (example "Clipart", "Scan Clipart")
ALL/S	all pictures will be selected
NONE/S	all pictures will be disselected

NONE will overwrite all other options.

ALL will overwrite all options than NONE.

## 1.52 SHOWLIST

show only thumbnails belong to the given pattern

Command	Options	Function
SHOWLIST	NAME/K	complete name or pattern (example "#?.iff", "Amiga.iff")
	PATH/K	complete path or pattern (example "Pic:Clipart/#?", "Work:Pictures")
	COMMENT/K	complete comment or pattern
	FORMAT/K	file format(s) of picture, separated by ' ' (example "ILBM", "GIF JFIF ILBM")
	GROUP/K	groups to which the picture should belong, separated by ' ' (example "Clipart", "Scan Clipart")
	ALL/S	all pictures will be selected

ALL will overwrite all options than NONE.

## 1.53 SAVEASIFF

save catalog as IFF picture

Command	Options	Function
SAVEASIFF	FILE/A	path and name for picture(s)
	WIDTH/K/N	width for the generated picture
	HEIGHT/K/N	height for the generated picture
	MODEID/K/N	screen mode id for picture
	SHOWNAME/S	write picture names below the thumbnails

If WIDTH, HEIGHT or MODEID left, the values from the program window will be used.

## 1.54 History

### History

#### V1.00

- first public version

#### V1.10

- bug while opening the screen on NoAGA-AMIGAs removed
- picture viewer revised, should work now with all commodities

#### V1.20

- 16 color mode added - makes PicView more useable an all Amigas with ECS chipset

#### V1.21

- error while saving catalog picture(s) removed

#### V1.22

- argument 'CATALOG' added
- error while building catalog picture(s) removed (forgotten to wait for the blitter)

#### V2.00

- 256 color mode added
- multiselection added
- ARexx port added
- now 255 groups are available
- new internal window viewer
- separate viewer for every picture format
- XPK support
- more data are store into the data base
- comment for picture added
- sort and selection functions added
- log file added
- shows picture name below thumbnail
- free configurable information line added
- size of thumbnails configurable
- dithering: Ordered, Floyd-Steinberg added
- now every public screen can use to run PicView
- button bar can be switched off
- remove, rename and comment also on hard disk

#### V2.01

- error in pens managment removed (after switching the color mode)
- speed up the rendering of the picture list on graphics cards

#### Some thinks for the future:

- support MUI 3.x
  - support of CyberGfx
  - support of animations
  - creation and presentation of picture shows
-