

Hexagons

Frank Bernard

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1 Hexagons	1
1.1 Hexagons	1
1.2 Instructions	1
1.3 Shareware	2
1.4 Idea	2
1.5 Control	3
1.6 Preferences	3
1.7 Scoring	5
1.8 Statistics	5
1.9 Tooltypes	5
1.10 System Requirements	6
1.11 Features	7
1.12 History	7
1.13 Authors	8
1.14 Copyright	8
1.15 Disclaimer	9
1.16 Credits	9

Chapter 1

Hexagons

1.1 Hexagons

Hexagons V2.3

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1. Instructions
2. System Requirements
3. Features
4. History
5. Authors
6. Copyright
7. Disclaimer
8. Credits

1.2 Instructions

1. Instructions

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- 1.0 Shareware
 - 1.1 Idea
 - 1.2 Game Control
 - 1.3 Preferences
 - 1.4 Scoring
 - 1.5 Statistics
 - 1.5 Tooltypes
-

1.3 Shareware

1.0 Shareware

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Hexagons is shareware. If you enjoy the game, you should pay the shareware fee of US\$ 10.- (DM 13.-, £ 6.-, FF 50.-). If you're living outside of Europe, you should send this amount of money cash to one of the **authors**. Inside of Europe you should use an Euro-Cheque (please don't use any other form of cheque). Inside of Germany the best way for transferring the money will be a transfer order to the following account:

Frank Bernard

KtoNr. 103 870 515

BLZ 540 502 20

Kreissparkasse Kaiserslautern

Please send us your complete address, and, if available, your e-mail address. Don't forget the word "Hexagons" as subject of matter.

ATTENTION: If you can receive your keyfile via EMail, you're allowed to reduce the shareware fee by \$2.- (DM 3.-, £1.-, FF10.-).

After receiving the shareware-fee we'll send you your private keyfile immediately. This keyfile suppresses the appearance of the reminding-requester.

PLEASE DON'T GIVE YOUR KEYFILE TO OTHER PERSONS !!

1.4 Idea

1.1 Idea

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The basic idea of Hexagons is very similar to that of the wellknown game Tetris. So it's unnecessary to describe the games principle in detail. You have to place downfalling pieces skilfully, by shifting them left or right and rotate them, so that they completely fill the floor of your playfield. Every complete line in the playfield will be removed immediately, so that the pieces above can succeed. The more pieces you can place, the more **points** you'll get.

After Tetris was getting boring even in it's fastest level, and even it's three-dimensional version was too easy, we decided to convert this games principle to a hexagonal playfield. We kept the number of single parts (four) each piece consists of, but there are now 10 different pieces,

because of the hexagonal structure, instead of the 7 wellknown of Tetris.

Of course, the rotation angle is now 60 degrees, which makes the game much more difficult, because it differs from the usual rectilinear view of things.

In other words: Hexagons is a game for all these, who get boring by playing Tetris. But you shouldn't expect to get **top-scores** at once, even if you are a Tetris-wizard.

1.5 Control

1.2 Control

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Joystick/Cursor left - move left

Joystick/Cursor right - move right

Cursor down - rotate clockwise

Cursor up - rotate counterclockwise

Fire Button - rotate clockwise or counterclockwise

(depends on the **preferences**)

Joystick forward - drop hexagon immediately

Joystick backward - pull down hexagon smoothly

SPACE - pull down or drop hexagon

(depends on the **preferences**)

p - pause on/off

AMIGA n - new game

AMIGA r - preferences menu

AMIGA s - statistics window

AMIGA h - show highscores

AMIGA i - informations

AMIGA x - iconifies the game

HELP - start AmigaGuide documentation

ESC - quit actual game / leave program

1.6 Preferences

1.3 Preferences

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«Drop»

Immediate - Drop down the downfalling pieces immediately by pressing SPACE.

Variable - Pull down the pieces softly by pressing SPACE. The speed is variable from 1 to 20.

«Colors»

Arranged - Each piece has its own, invariable colour. If there are less than 10 colours available, Hexagons uses ordered dithering to create additional colours.

Random - The colour for each piece is chosen randomly.

«Name»

Ask - The name for a new entry in the highscores will be asked every time you made a top score.

Lock - Choose a permanently used name for your highscore entries.

«Preview»

on / off Activate/Deactivate the preview window.

«Startlevel»

1 ... 20 - Starting level.

«Taskpriority»

0 ... 5 You can choose the taskpriority from 0 to 5 to avoid a jerky gameplay during heavy system load.

(registered version only)

«Hexagon Set»

Normal - Play with the usual 10 pieces

Extended - Play with 6 additional pieces

«Game Mode»

Normal - Place as many pieces as you can to create complete lines.

Arcade - Remove randomly placed hexagons and complete 10 lines in each level (The lines-display shows the number of remaining lines).

«Control»

Keyboard - Use keyboard to play the game.

Joystick - Use joystick to play the game (only available, if the tootype **NOJOYSTICK** is inactive).

«Rotation»

turn left - If you use a **joystick**, the pieces will rotate counterclockwise by pressing the fire button.

turn right - The pieces will rotate clockwise.

1.7 Scoring

1.4 Scoring

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1. For each wellplaced piece you'll get a level-specific amount of points. The higher the level is, the more points you'll get.
2. For each completed line you'll get a relative high amount of points. If you complete two lines at the same time, the amount will be twice as high. For three completed lines, the amount will be four times, and for four lines (Wow !!) it'll be eight times of the original value. Even here the scoring is level dependant.
3. If you don't use the **Preview** option, you'll get three times of the basic amount of points for each dropped piece.
4. If the **Random-Color-Mode** is active you'll get twice as many points for each dropped piece.
5. Deactivated **Preview** and activated **Random-Color-Mode** will result in a four times scoring.
6. For each line, a piece is pulled down (or dropped) with the SPACE-Key, you'll get extra points.

1.8 Statistics

1.5 Statistics

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The statistics-window informs you, how often each hexagon appears during the game. You can choose between a statistic since the last start of the program and an all-time-statistic. Moreover you can choose between the normal and the extended hexagon set. The percentage values are rounded, so their sum may be unequal to 100%. The difference will be neglectable. Moreover there appears the number of played games since the last start of the program and the number of games ever played. The statistics-window can stay opened during the game and will be actualized permanently !!!

1.9 Tooltypes

1.6 Tooltypes

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Hexagons supports the following tooltypes:

NOLACE - Hexagons uses automatically the correct aspect ratio for the selected screenmode. If it should use the wrong aspect ratio just for once, you can force the non-interlaced mode by using the tooltype NOLACE.

ENDREQUEST - If this tooltype is active, there appears a safety-requester by leaving the game.

NOJOYSTICK - Prevents the reservation of the gameport.device and so the usage of a joystick.

MAINWINDOW - Position of the mainwindow. You can use absolute coordinates (e.g. MAINWINDOW=100,80) or CENTERSCREEN. Default value is CENTERSCREEN.

SUBWINDOWS - Position of the different subwindows. You can use absolute coordinates (e.g. SUBWINDOWS=100,80), CENTERSCREEN or CENTERMAIN for centering above the mainwindow. Default value is CENTERMAIN.

PREFWINDOW - Position of the preferences window. You can use absolute coordinates (e.g. PREFWINDOW=100,80), CENTERSCREEN, or CENTERMAIN for centering above the mainwindow. Default value is the upper left corner.

1.10 System Requirements

2. System Requirements

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You can run Hexagons on any Amiga with Kickstart \geq 2.04 and 512kB ChipRAM.

A screenmode with at least 400 lines and a minimum of 8 colours is recommended, but you can use any other, even non-interlaced, screenmode with 2 or 4 colours. In this case you have to make some cuts regarding the graphics quality.

Hexagons was tested with the following system configurations:

A4000/040, AGA, Kick 3.1, Cybervision 64, Cyberstorm060

A4000/040, AGA, Kick 3.0, Hardital Powerchanger 040/28MHz

A4000/040, AGA, Kick 3.0 & 3.1

A2000/030, ECS, Kick 3.1, GVP 3001 (030/882, 33MHz), Merlin 2

A2000/030, ECS, Kick 3.1, GVP Combo-30 (030/882, 33MHz), Picasso II

A2000/030, ECS, Kick 3.1, A2630 (030/882, 25MHz)

A2000, ECS, Kick 2.04, SupraTurbo 28

A2000, OCS, Kick 2.04

A500+, ECS, Kick 2.04, SupraTurbo 28

A500, OCS, Kick 1.3, Softkick 2.04

1.11 Features

3. Features

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- runs on any Amiga with Kickstart >= 2.04
- completely system conform
- runs on any Workbench screen
- dithering to get additional colours
- saveable preferences
- choosable taskpriority
- saveable placement of main- and subwindows
- supports locale with external catalog-files
- very great statistic function
- integrated AmigaGuide documentation
- Highscore-Merging
- supports different tooltypes
- supports joysticks with two different firebuttons
- iconification

1.12 History

4. History ?

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Version 1.0 (June 1st, 1995)

- first release

Version 2.0 (October 9th, 1995)

- A new game mode with 6 additional hexagonal pieces.
- Enhanced degree of difficulty by using randomly placed hexagons at the beginning of each game.
- Separate highscore-table for the extended game mode.
- Loading, saving and joining of different highscore-tables.
- Iconification of the game at any time.
- Control by joystick or keyboard.
- Enhanced statistic-functions.
- Keyfiles for registered users.
- Improved game routines.

Version 2.1 (November 22th, 1995)

- support of external catalog-files.
 - statistic functions for the extended hexagon set.
-

- more points for DROP and PULL DOWN.
- no preview while game is paused.
- Game Over - display.
- many internal code optimizations.

Version 2.1c (January 23th, 1996)

- small Bugfix in game routines.
- Bugfix (preferences-problem with Kick 2.04).

Version 2.2 (February 11th, 1996)

- some code improvements.
- three new Tooltypes for placement of main- and subwindows.

Version 2.3 (12. Dezember 1996)

- own highscorettable for every game-mode.
- choosable taskpriority
(avoids jerky gameplay during heavy system load).
- small bugfix in statistic-functions.

1.13 Authors

5. Authors

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Bugreports or suggestions for further enhancements welcome.

1.14 Copyright

6. Copyright

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Hexagons is **Shareware** . You can copy the program as it is (program, incl. documentation) for free. You're not allowed to include Hexagons to any CD-ROM compilation or disk-series, with the exception of the AMINET- and Fred-Fish-CD compilations. The price of a floppy disk, which contains a copy of Hexagons, must not exceed US\$ 3.-.

Magazines, which report about Hexagons, are hereby asked, to send us a copy of this edition. Many thanks.

1.15 Disclaimer

7. Disclaimer

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We are not responsible for any data loss or damage, caused directly or indirectly by the usage of Hexagons.

Moreover we have to excuse our poor english. Sorry.

1.16 Credits

8. Credits

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Thanks to the following persons for beta testing, bug reports and helpful suggestions (alphabetical order):

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