

# **The KBounce Handbook**

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# The KBounce Handbook

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## **Abstract**

This documentation describes the game of KBounce version 0.9

## Chapter 1

# Introduction

GAMETYPE: Puzzle, Arcade
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NUMBER OF POSSIBLE PLAYERS: One
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KBounce is a single player arcade game with the elements of puzzle.

It is played on a field, surrounded by walls, with two or more balls that move about in the field bouncing off of walls. The player can build new walls, decreasing the size of the active field.

The goal of the game is to fill at least 75% of the field and advance to the next level.

## Chapter 2

# How To Play

The player is presented a rectangular tiled field surrounded by walls. Two or more balls move about in the field and bounce off of the walls. The object of the game is to limit the size of room for the balls.

The size of the active area of the field is decreased by making new walls that enclose areas without balls in them. To complete a level, the player must decrease the size of the active field by at least 75% within the time allowed.

New walls are built by clicking the left mouse button in an active area of the field, at which point two walls will begin to grow in opposite directions from the square the mouse was clicked in. Only one wall in each direction may be growing on the screen at any given time.

When the mouse is on the field, the cursor is shown as a pair of arrows pointing in opposite directions, either horizontally or vertically. The arrows point in the direction the walls will grow when the left mouse button is clicked. This direction can be changed by clicking the right mouse button.

A new wall has a 'head' which moves away from the point where the mouse was clicked. A wall is not permanent until this 'head' runs into another wall. If a ball collides with any part of the wall except the head, before the head has run into another wall, the new wall will disappear completely and one life will be lost. If a ball collides with the head in the direction of the wall's growth, the wall will stop growing there, and become permanent, with no loss of life. If a ball collides with the head from any other side, the ball will bounce off and the wall will continue to grow normally.

## Chapter 3

# Game Rules, Strategies and Tips

### 3.1 Game Rules

The game starts with level 1 in which two balls move around in the field. The player has two lives and 90 seconds to successfully complete the level.

In n-th level there are  $n + 1$  balls. The player is given  $n + 1$  lives. They have  $30 * (n + 2)$  seconds to complete it.

When a ball collides with a growing wall the player loses one life. An exception is the collision with wall's 'head' when no life is lost.

The goal of each level is to cover at least 75% of the field with wall.

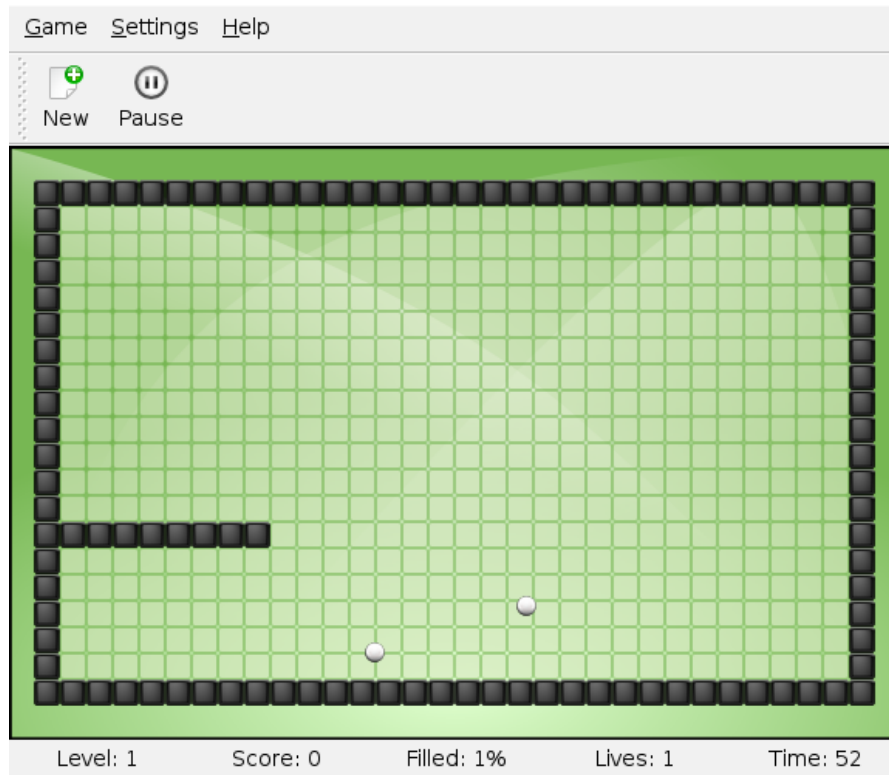
The loss of all lives and exceeding the time allowed result in the end of the game.

If a player completes a level he receives 15 points for each life left, and a bonus depending on the number of balls and the number of tiles filled above 75%. They also advance to the next level.

### 3.2 Strategies and Tips

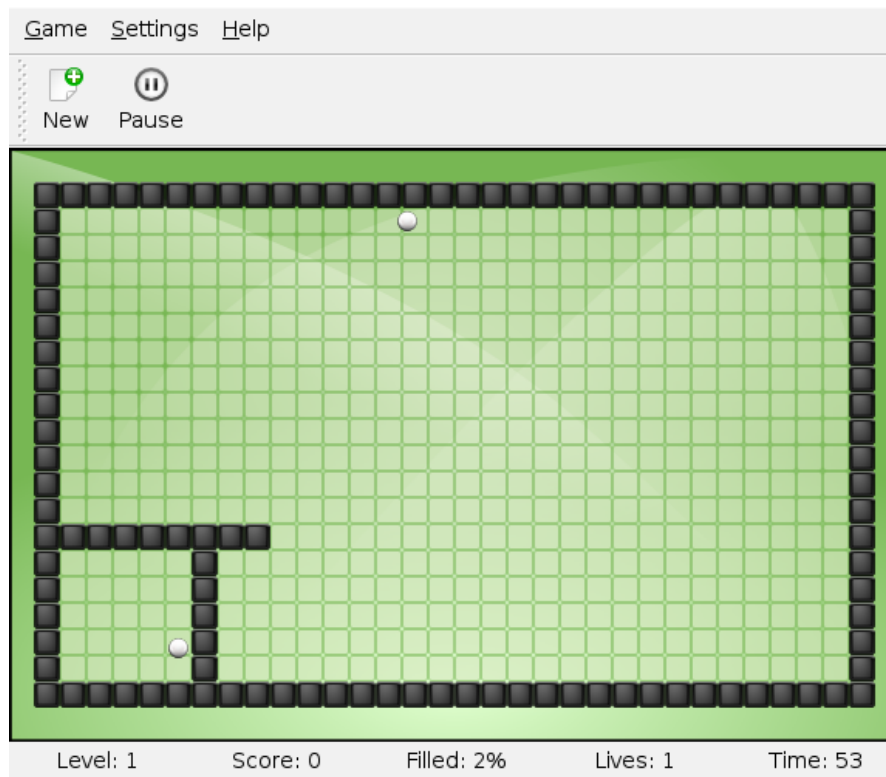
- Many players find the game becomes quite difficult by only the third or fourth level, given the number of balls on the field at once.
- The trick playing KBounce successfully is to build 'corridors'. To build a corridor, start a pair of walls growing close to another wall, and time it so that one of the walls will be hit by a ball and one of the walls will not, and thus become permanent.

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This will leave a narrow corridor only a few squares high on the field, surrounded on three sides by walls. Wait for the balls to bounce into the open end of the corridor, and close the corridor behind the ball with a new wall. Although you will most likely lose a life for each corridor created, you can trap several balls in a single corridor.

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- A final tip — take your time! There is plenty of time, as shown in the Time display at the bottom of the screen. Rushing will just get you in trouble!

## Chapter 4

# Interface Overview

### 4.1 The Tool Bar



The toolbar provides buttons for the commonly used functions.


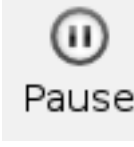



Button	Name	Menu Equivalent	Action
	New	GameNew	Starts a new game. If a game is currently played clears the field and sets the level to 1.
	Pause	GamePause	Pauses or resumes the current game.

Table 4.2: Toolbar Buttons

## 4.2 The Menu Items

### 4.2.1 The Game Menu

 <b>N</b> ew	Ctrl+N
 <b>E</b> nd Game	Ctrl+End
 <b>P</b> ause	P
 Show <b>H</b> igh Scores...	Ctrl+H
 <b>Q</b> uit	Ctrl+Q

**Game** → **New (Ctrl+N)** Starts a new game.




**Game** → **End Game (Ctrl+End)** Ends the current game.

**Game** → **Pause (P)** Pauses or resumes the game.

**Game** → **Show High Scores (Ctrl+H)** Opens a dialog that displays different high score tables.

**Game** → **Quit (Ctrl+Q)** Quit and close KBounce. If a game is currently played, it's status is lost

### 4.2.2 The Settings Menu

<input checked="" type="checkbox"/> <b>S</b> how Toolbar
<input checked="" type="checkbox"/> Show <b>S</b> tatusbar
<input type="checkbox"/> <b>P</b> lay Sounds
 <b>C</b> onfigure <b>S</b> hortcuts...
 <b>C</b> onfigure <b>T</b> oolbars...
 <b>C</b> onfigure <b>K</b> Bounce...

**Settings** → **Show Toolbar** Shows/hides the KBounce toolbar.

**Settings** → **Show Statusbar** Shows/hides the KBounce statusbar.

**Settings** → **Play Sounds** If checked, KBounce game sounds are played.

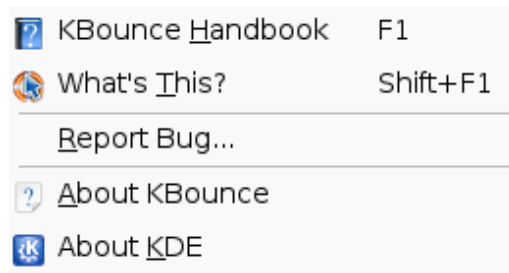
**Settings** → **Configure Shortcuts...** Opens a standard KDE shortcut configuration dialog, in which you can change the keyboard shortcuts used by KBounce.

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**Settings** → **Configure Toolbars...** Opens the standard KDE toolbar configuration dialog to customize the KBounce toolbar.

**Settings** → **Configure KBounce...** Opens a dialog to customize the game. It allows to select themes.

### 4.2.3 The Help Menu



**Help** → **KBounce Handbook (F1)** Invokes the KDE Help system starting at the KBounce help pages. (this document).

**Help** → **What's This? (Shift+F1)** Changes the mouse cursor to a combination arrow and question mark. Clicking on items within KBounce will open a help window (if one exists for the particular item) explaining the item's function.

**Help** → **Report Bug...** Opens the Bug report dialog where you can report a bug or request a 'wishlist' feature.

**Help** → **Switch Application Language...** Opens a dialog where you can edit the Primary language and Fallback language for this application.

**Help** → **About KBounce** This will display version and author information.

**Help** → **About KDE** This displays the KDE version and other basic information.

## Chapter 5

# Frequently asked questions

1. *I want to change the way this game looks. Can I?*  
Yes. To change KBounce visual theme you can use Settings → Configure KBounce... option on the menubar.
2. *I have made a mistake. Can I undo?*  
KBounce does not have an 'Undo' feature.
3. *Can I use the keyboard to play this game?*  
No. KBounce cannot be played using keyboard.
4. *I have to quit the game now, but I am not finished yet. Can I save my progress?*  
KBounce does not have a 'Save' feature at the moment.

## Chapter 6

# Game Configuration

The KBounce configuration dialog allows you to select visual themes for KBounce. To select a new theme simply choose the theme's name from the selection list.

**NOTE:**

For your convenience a quick preview screenshot will be displayed on the right hand sided of the selection list as soon as you select the theme you are interested in.

Once you are satisfied with the theme you have selected you can either click the Apply, or simply click the Ok button, located at the bottom part of this dialog.

If, however you are dissatisfied with your selection – simply click Cancel to discard the changes.

## Chapter 7

# Credits and Licenses

KBounce

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This handbook is dedicated to Dennis E. Powell.

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## Appendix A

# Installation

KBounce is part of the KDE project <http://www.kde.org/> .

KBounce can be found in the kdegames package on <ftp://ftp.kde.org/pub/kde/> , the main FTP site of the KDE project.

For detailed information on how to compile and install KDE applications see [Building KDE4 From Source](#)

Since KDE uses **cmake** you should have no trouble compiling it. Should you run into problems please report them to the KDE mailing lists.