# Game manual

# Game name

Mr. Driller

# Brief introduction

Mr. Driller is a 2D puzzle game. The player controls a driller and has several levels to achieve. The main goal of each level is to dig until its depth without lacking air or being crashed by a falling block.

# Permissible system

Linux, Windows and Mac OS X.

# Install the game

You need to install python 3 and pygame on your computer.

## If you don’t have pygame:

[Windows]

1. run cmd.exe in the python directory.
2. if you have no pip, input “python get-pip.py” and press enter.
3. input “pip install pygame” and press enter

[Linux]

Run “sudo apt-get install python-pygame”

[Mac OS X.]

1. open terminal
2. if your pc don’t have Homebrew. Then run “/usr/bin/ruby -e "$(curl -fsSL <https://raw.githubusercontent.com/Homebrew/install/master/install>)" ”
3. run “brew install sdl smpeg sdl\_image sdl\_mixer sdl\_ttf portmidi hg”

Run mian.py , then you can play the game.

# Rules

You can click the "help" button to see how to play before you start the game. And you can choose the “start” to start the game and enter the game screen.

**Lifes and air:**

The initial life value is three and the initial air value is 100. Air percentage decreases as time gonging on. Players can dig air blocks to get air.

**Blocks and score:**

Blocks of the same color will merge when they meet in the course of the game, and more than four of the merged blocks will be eliminated. If one of the fused blocks is dug out, the rest of the fused blocks will disappear. Some of these blocks are special: digging out an air block can get 20 air transparent blocks. It takes three seconds for them to disappear. Digging out Brown blocks will consume twenty players' air. The rest of the blocks will not consume air.

**Levels:**

There are 10 levels in the game from easy to difficult. When the game is completed, the game clears.

**Win and lose:**

Pass every levels you will win. You can enter your name and scores are ranked. If hit by a block or exhausted by air, life is reduced by one. When the life value is 0, the game ends, the game fails and the score is not included in the ranking.

## How to play

**Moves**

Use keys on the keyboard :

UP : jump

Right : move right

Left : move left

UP+Right or UP+Left :climb a block.

**Drill**

Press the LEFT/RIGHT/DOWN keys to drill toward the blocks, brown blocks need to drill 5 times, others need for twice.

**Pause**

Click on the pause button, the air won’t be lost and everything cannot move during this time.