

Hues in the Air Game Manual

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1 Starting the game

The Main.java file is responsible for the launching of the game. It can either be launched with the jar file generated by Gradle or from your favourite IDE. The following arguments will be considered correct by the program, leading to a successful launch:

- `client`
- `client serverIP:serverPort`
- `client serverip:serverport username`
- `server serverPort`

UTF-8 encoding should be used in order for the program to run without any potential bugs (In IntelliJ: File>Settings>Java Compiler>Add "-encoding UTF-8" to Additional command line parameters).

2 Objective

At the beginning of a game, you are given a colour. Your goal, with your teammates, is to bring your cube to the end of levels by jumping when you are allowed to. Indeed, you can only make the cube jump if it is moving on a block of your own colour.

3 The Menu

From the menu, you can prepare your upcoming game. Three tabs are available to you: home, games and settings.

From the Home tab, you can create a lobby or join an existing one. To know which lobbies you could join, take a look at the list down below or ask in the chat if someone wants to play with you. When creating a lobby, you have

to create a password which all users will have to enter to be allowed into your lobby.

From the Games tab, you can have a look at all the games that have been played on the server up to now, or are still being played

From the settings tab, you can set the music and sfx volumes or change your username. You will also find a great credits text which you are wholeheartedly invited to read.

4 The Lobby

Once you have joined or created a lobby, you will be brought to a new page, the lobby page. In this page, you have access to two chats, one to talk with the other players in your lobby only, and the other to talk to all people on the server. You can send private messages from either of these chats.

A list of all the players currently in the lobby, including you, is displayed on the right. The colour assigned to each player is shown on the right of their username, and their status is shown on the left.

When you are ready to start a game, click the "Toggle Ready" button and wait till all your other teammates have done so. If that's the case, your game will be started automatically.

If you wish to exit your lobby to play with someone else, you can simply log out and you will be brought to the menu screen again.

5 Chats

Type in the text field below a chat and click enter to send your message. If you want to send a private message to a specific client, start your message with *@username*. Private messages are displayed in italics in your chat.

6 Gameplay

To start the movement of the cube, press SPACE. The cube moves by itself on colourful blocks. When the blocks on which the cube is moving correspond to your colour, press SPACE to make the cube jump and avoid dying. Death occurs when the cube comes in contact with a white block or when a person with the wrong colour tries to make the cube jump. You can jump on walls and the gravity will change accordingly so that you can continue moving along the wall. If you get to the end of a wall you can still jump, and the cube will change gravity and wrap around to the other side of the wall and continue its movement there.

Seeing as this is a co-op game, the goal is to get to the end of the level by working together. There is only one path you can take through the level and you have won when you successfully manage to collect the star. If you happen to make a mistake and die, you will be brought back to the starting position

and you can attempt the level again. If you wish to pause the game, you can press the ESCAPE key.