User Manual

Year: 2023 Semester: Spring Team: 3 Project: ”Rigged” Card Shuffler

Creation Date: April 15, 2023 Last Modified: April 15, 2023

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Assignment Evaluation:

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| **Item** | **Score (0-5)** | **Weight** | **Points** | **Notes** |
| **Assignment-Specific Items** | | | | |
| **Product Description** |  | x1 |  |  |
| **Product Illustration** |  | x2 |  |  |
| **Setup Instructions** |  | x3 |  |  |
| **Usage Instructions** |  | x3 |  |  |
| **Troubleshooting Instructions** |  | x3 |  |  |
| **Writing-Specific Items** | | | | |
| **Spelling and Grammar** |  | x2 |  |  |
| **Formatting and Citations** |  | x1 |  |  |
| **Figures and Graphs** |  | x2 |  |  |
| **Technical Writing Style** |  | x3 |  |  |
| **Total Score** |  | | |  |

5: Excellent 4: Good 3: Acceptable 2: Poor 1: Very Poor 0: Not attempted

Comments:

*Comments from the grader will be inserted here.*

1. Product Description

Card games using a traditional 52 card playing deck remain incredibly popular today and are often played with friends, family, or even competitively. While they are very fun and provide a great source of entertainment, nearly every card game involves luck-based drawing or dealing. This can become a source of frustration and detract from the entertainment value of these card games. Components of these games that may be described as luck-based can be eliminated if a player can perform controlled shuffles that result in the exact order of cards as desired. Therefore, a device that can perform such controlled shuffles would be incredibly useful in restoring the entertainment value of such games. Our shuffler allows the user to insert a 52 card deck, pick a game to play and specify the order that the cards should be dealt. The shuffler allows users to either have complete control over the order of the deck or allow the deck to be shuffled into a random configuration.

1. Product Illustrations

**Complete System:**

*A picture containing text, wooden, container, box

Description automatically generated*

A picture containing text

Description automatically generatedA picture containing text, indoor

Description automatically generatedA picture containing text, wood

Description automatically generatedShape, square

Description automatically generated with medium confidence**Features:**

Deck Output

Deck Input

Power Jack

LCD Screen

Buttons

1. Setup Instructions

In order to ensure correct functionality of the card shuffler, the user must follow the following steps.

1. Plug the wall adapter into the power jack shown in the features above.
2. Allow the Shuffler time to align and start up.
3. The Select Game screen will show when the shuffler is ready to be used.
4. Usage Instructions

User Interface Information:

* The LCD Screen will be used to show the user the progress of the shuffler as well as the list of selections that the user will be able to make.
* The buttons will be used to interface with the device. Each button will perform slightly different actions depending on the screen the LCD is currently on. These will be explained in the general usage.

General Usage:

* The device will start up and show a Select Game Screen. This screen will have a list of games or shuffle options that the user can select from.
* On Select screens, the top and bottom buttons can be used to scroll up and down through the selections respectively. The middle button acts as a select button that will Select the option that is currently highlighted. The left button will act as a back button allowing the user to move back to a previous screen.
* Once the user chooses a shuffling mode, the screen will display a set of options that the user will be able to choose from. In the case of Blackjack, the user will be able to specify the number of players and from there alter the cards that will show up in those players’ hands.
* Before Dealing, the user should place the unshuffled deck in the deck input slot on top of the device.
* Once the user is done choosing the cards for whatever players they decide to, they can return to the Player Select Screen and Select the Deal option.
* This will start the deal. The progress of the deal will be displayed on the LCD Screen for the user to see.
* Once the deal is finished, the cards can be collected from the deck output on the side of the device.
* Lastly, deal the cards and watch your friends faces sink when you win over and over.

1. Troubleshooting Instructions

* Is the output deck not in the order that you specified?

There are many possible issues that could be causing this

* + Make sure you are using an official Bicycle Card Deck.
  + Make sure that the device is sitting upright during use.
  + Try unplugging the device and plugging it back in. This will allow the card wheel to realign itself.
* Are the cards not being pulled out of the deck input?
  + Make sure that you have the deck placed flat inside the input to allow the insertion to work properly.
* Is the shuffler making a weird sound?
  + Wait for the shuffler to finish. Unplug the device and plug it back in to allow the card wheel to realign.
* Did none of the above solutions help? Is your question not shown above?
  + Leave a message with your name, contact information, and a description of the problem at the following email address: [help@riggedshufflers.com](mailto:help@riggedshufflers.com) or call us at 1234-RIGGED and we will get back to you as soon as possible.