

Arduino Pinball Kit

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Make playfield playfield and rule redesign a frequent part of your pinball play sessions!

You'll need the following:

1. Arduino Uno, to control game scoring and logic
2. LED dot matrix, to display backglass score
3. Pinball Kit, with main table parts (plunger, flippers, incline)
4. Optional: Additional pinball modules (bumpers, ramps, targets)

Follow these steps (*note: Pinball Kit does not yet exist*):

1. Download the example sketch that comes with the Pinball Kit
2. Arrange your playfield parts according to the manual's diagram
3. Install the LED dot matrix in the backglass
4. Connect your Arduino Uno to the connections under the table, including the connection to the LED dot matrix, and test run to ensure that everything works right with the default sketch
5. Iterate on different layouts of playfield parts
6. Experiment with modifications to playfield score and gate logic
7. Modify the backglass.psd or playfieldart.psd files provided with the kit, print, and switch them out for custom visual themes
8. Enjoy playing your pinball designs, or invite friends to beat your high score for a given configuration¹
9. For advanced users, experiment with creating your own pinball playfield toys by mixing Arduino components with simple mechanisms of your own design

Remember to share photos of your playfield! If you'd like to make your game available to others, it's as easy as uploading your Arduino sketch code, psd art files, and a photograph to show your layout.

¹ High scores may be set to automatically clear when any change is made to layout or scoring rules.