



# VirtuaPin Plunger Kit Installation Guide

## Things You'll Need

### TOOLS

Screwgun / Drill (corded or battery powered)

Screwdriver

### FASTENERS

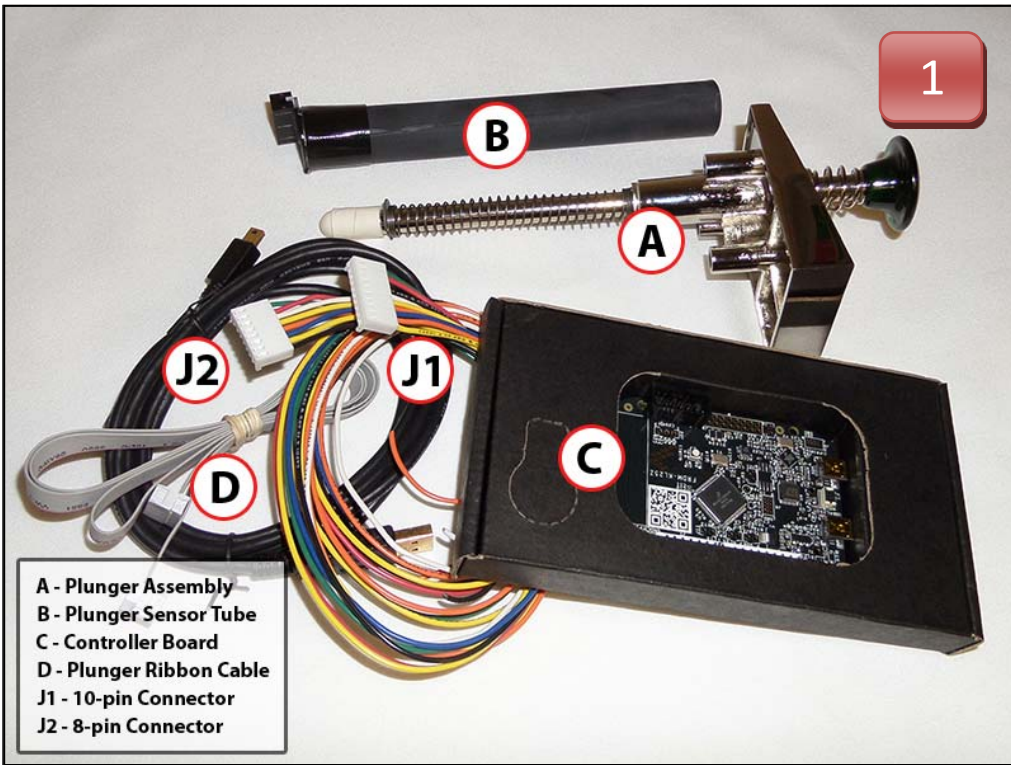
2 - #4 1/2" pan head screws (optional)

3 - 10-32 Machine Screws

3 - 1/4" Washers



**Please read all warnings and follow all operating procedures of all equipment used in the installation of this product.**



## Plunger Kit Parts

When you receive your kit, please take a moment to ensure you've received all of the components found in the illustration on the left.

To wire the buttons to your kit, a terminal barrier strip, like the one below, is strongly suggested.



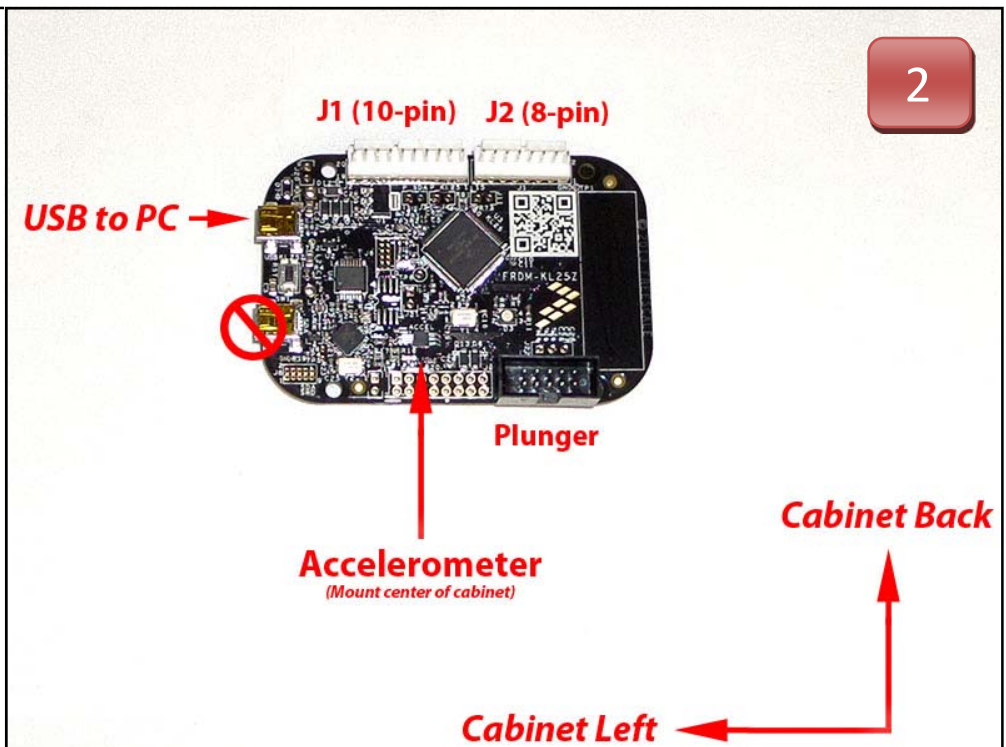
**Note:** If using screws to fasten the board to your cabinet's bottom, be sure to drill pilot holes, **DO NOT** over tighten and damage the board!

## Setup

For optimal results, mount the board on the bottom of your cabinet face-up and oriented as pictured on the right. The J1 and J2 headers should be facing the cabinet and the USB connectors on the left side of the cabinet. Connect the plunger to the connector indicated to the right.

### **IMPORTANT!**

**Plunger MUST be connected before the board is powered on.**



## Wiring

(Pins are numbered left to right)

<u>J1 (10-Pin) Connector</u>				<u>J2 (8-Pin) Connector</u>			
<u>PIN</u>	<u>COLOR</u>	<u>BUTTON</u>	<u>Joy</u>	<u>PIN</u>	<u>COLOR</u>	<u>BUTTON</u>	<u>Joy</u>
<u>1</u>	Green	Digital Plunger	1	<u>1</u>	Green	Start Game	9
<u>2</u>	Red	Right Flipper	2	<u>2</u>	Red	Left Flipper	10
<u>3</u>	—	Not Used	—	<u>3</u>	White	Left Magnasave	11
<u>4</u>	Black	Common/Ground	—	<u>4</u>	Yellow	Insert Coin 1	12
<u>5</u>	White	Right Magnasave	3	<u>5</u>	Purple	Insert Coin 2	13
<u>6</u>	Purple	Change Camera*	4	<u>6</u>	Brown	Test*	14
<u>7</u>	Orange	Toggle HUD*	5	<u>7</u>	Blue	Service*	15
<u>8</u>	Blue	Look at Backbox*	6	<u>8</u>	Black	Ground	—
<u>9</u>	Gray	Pause	7				
<u>10</u>	Yellow	Exit Table	8				

\* Used with Future Pinball

## USB and Calibration

Plug the cable into the connector pictured above in **Diagram 2**, and then into your PC. The controller will automatically be detected, and the drivers installed.

The accelerometer (nudging) is auto-calibrated on power on. To calibrate the plunger, simply pull it all the way back and release.

## 90 Day Limited Manufacturer's Warranty

The VirtuaPin Digital Plunger Kit, sold by VirtuaPin Cabinets, is covered by a 90-day Limited Manufacturer's Warranty. Any and all claims must be brought to the attention of VirtuaPin Cabinets to receive warranty service. Remember to retain a copy of your receipt to receive warranty service during the warranty period.

**Tampering with, or altering in any way, the VirtuaPin Digital Plunger Kit will immediately void this warranty. In addition, warranty requests determined to be the result of abuse or improper usage will be denied.**

The manufacturer warrants the VirtuaPin Digital Plunger Kit against defects in materials and workmanship as follows:

**Labor** - For a period of 90 days from receipt, if the manufacturer determines the equipment is defective, subject to the limitations of this warranty, the manufacturer will replace defective components, at no charge. The manufacturer warrants any such work against defects for the remainder of the original warranty period.

**Parts** - For a period of 90 days from receipt, the manufacturer will supply, at no charge, new or remanufactured parts in exchange for parts determined to be defective, subject to the limitations of the warranty. The manufacturer warrants any such parts against defects for the remainder of the original warranty period.