

## INSTALLATION GUIDE

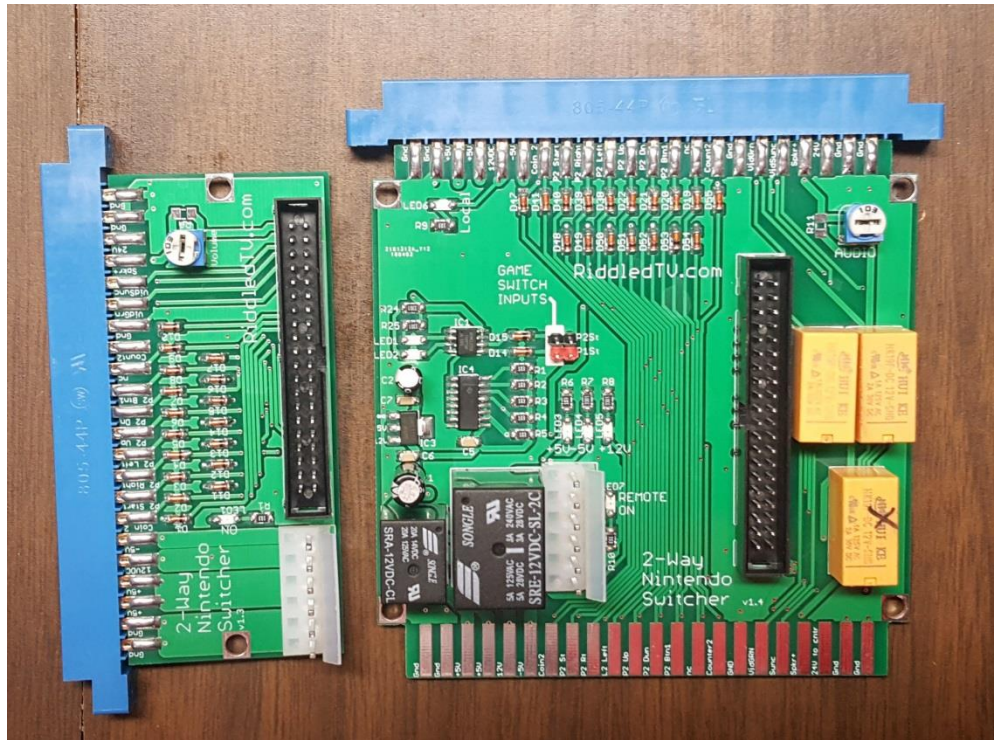


Figure 1. 2-Way Nintendo Switcher Kit

**Each Kit Includes:**

- Mainboard
- Remote Board
- 40pin ribbon cable
- 6wire power cable

**Features:**

- Supports 2 Nintendo boards
- Only 1 Nintendo board is powered at a time.
- No external remotes are required
- Games are switched by holding Player1-Start and Player2-Start for 1.5 seconds, or alternate buttons can be connected.

## Mainboard Components:

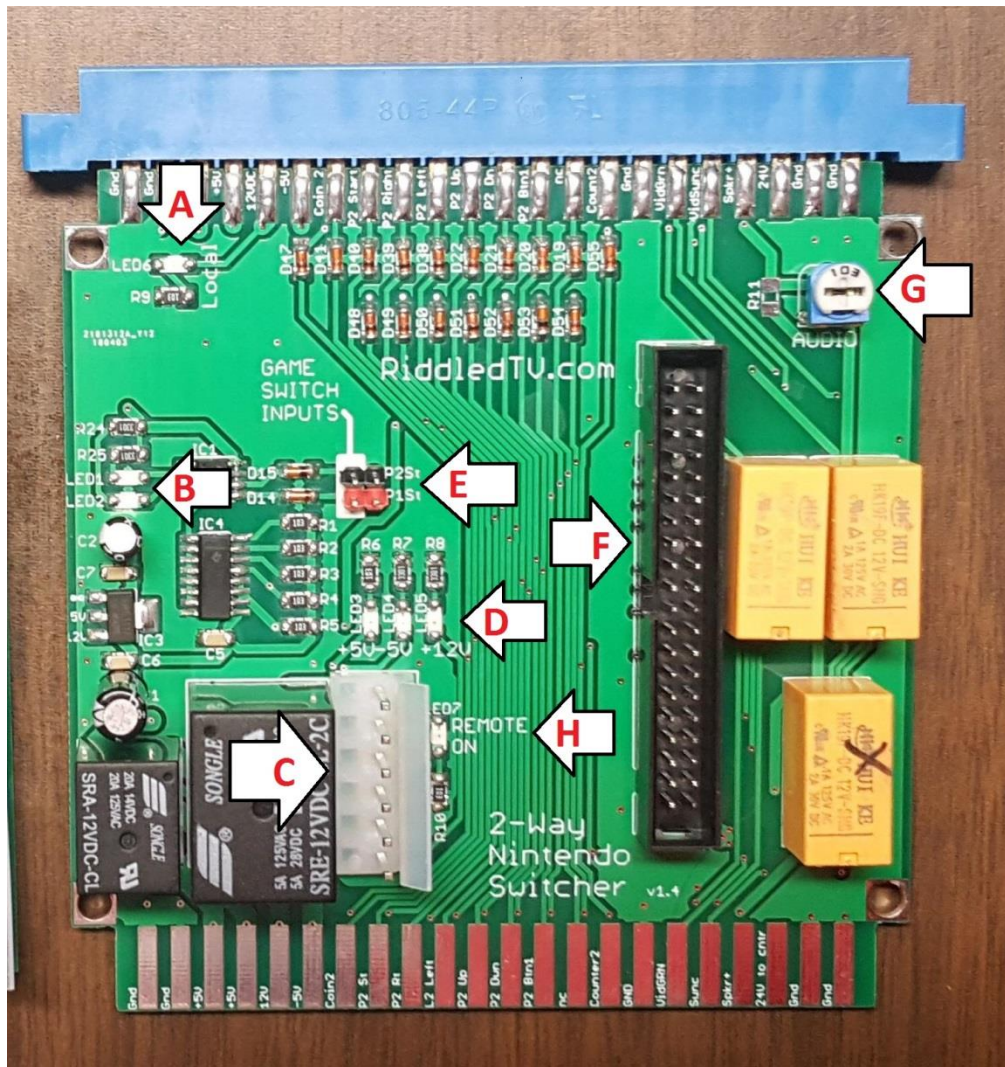


Figure 2 – 2-Way Switcher with Indicator Arrows

- A. Indicator LED that the local gameboard is active
- B. Indicator LEDs that illuminate when one or both of the game select button inputs are active.
- C. Remote Power cable header. Plug the provided 6pin power cable here, and similarly to the remote board.
- D. Power indicator LEDs. 12V, 5V, -5V (these only indicate presence of voltage, not accuracy of voltage levels)
- E. Game Select Button Inputs. If jumpers are installed here, players 1 and 2 start buttons (held for 1.5 sec) will switch to the next game.
- F. Remote Ribbon cable header. Plug the 40pin ribbon cable here, and similarly to the remote board.
- G. Volume control for Local Nintendo Gameboard
- H. Indicator LED indicates that the Remote Gameboard is active

## Installation Instructions:

1. Disconnect AC power.
2. Plug the Switcher into your existing Nintendo harness and mount in a suitable location.  
Note: Do NOT connect the Nintendo gameboards yet.
3. Double-check all your work.
4. Reconnect AC power, and turn the power on.
5. Verify that the switcher is receiving inputs from your control panel by doing the following:
  - a. Press Player1-Start. Verify that the 1<sup>st</sup> Blue LED on the switcher circuit board illuminates as the Player1-Start button is pressed. Note, If an alternate input button is being used, verify the input from that button in place of Player1-Start.
  - b. Press Player2-Start. Verify that the 2<sup>nd</sup> Blue LED on the switcher circuit board illuminates as the Player2-Start button is pressed. Note, If an alternate input button is being used, verify the input from that button in place of Player2-Start.
6. Turn power switches off, and disconnect AC power
7. Plug the Nintendo gameboards into the mainboard and remote switcher board. Make certain that all boards are securely mounted and are not contacting other wiring or metal supports inside your arcade cabinet
8. Reconnect AC power, and turn the power on
9. To advance to the next game hold down both Player1-Start and Player2-Start buttons.
10. You may need to readjust your monitor's color balance levels, and the volume controls for each gameboard.

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## Switching Games:

If both jumpers are installed, the mainboard will switch games when buttons Player 1-Start and Player 2-Start are pressed for 1.5 seconds. To use alternate button inputs, disconnect the 2 jumpers, and connect two button inputs of your choice to the two terminals on the left side when positioned as shown in Figure 3. If only one input button is desired, connect it to BOTH pins. The Switcher will change games when both inputs are grounded for 1.5 seconds. If both buttons are held down, it will continue to cycle between the games in 1.5 second increments.

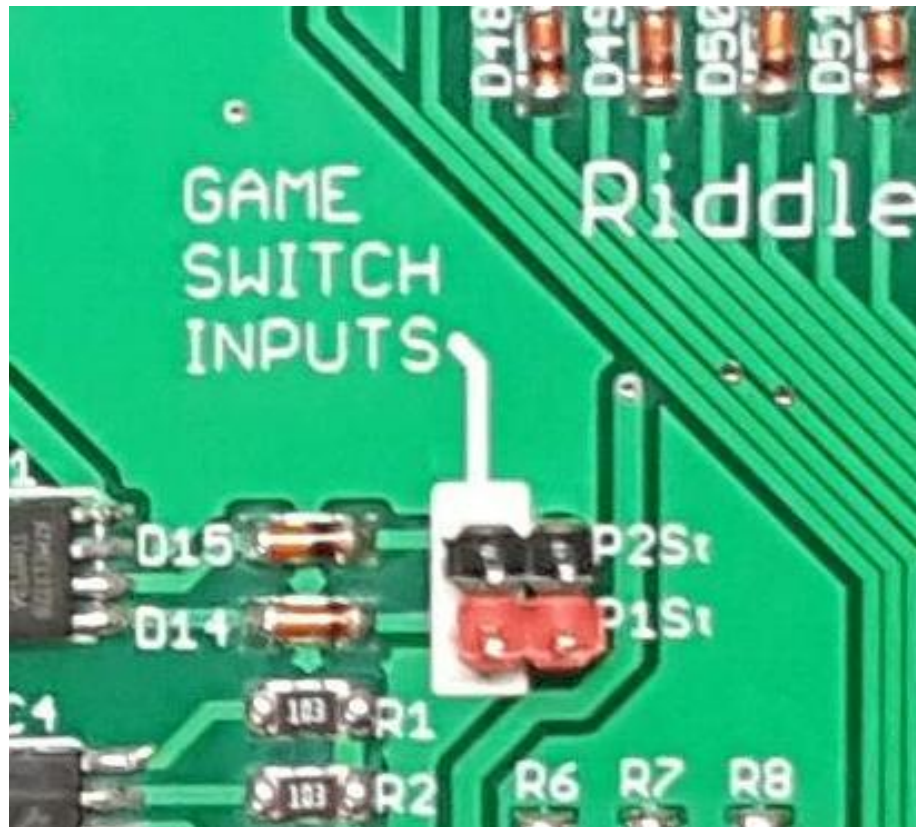


Figure 3. Button Inputs for Game Selection

## Indicator lights

The mainboard has 7 indicator LED lights:

- 2 Red LEDs to indicate which gameboard is active
- 3 Power Supply indicator LEDs. Red, Green, and Yellow LEDs indicate that “some” voltage is present on the 5V, -5V, and 12V power supplies. They do not indicate the accuracy of those voltages.
- 2 Blue LEDs indicate that the switcher detects one or both of the game-select buttons are pressed.