

INSTALLATION GUIDE

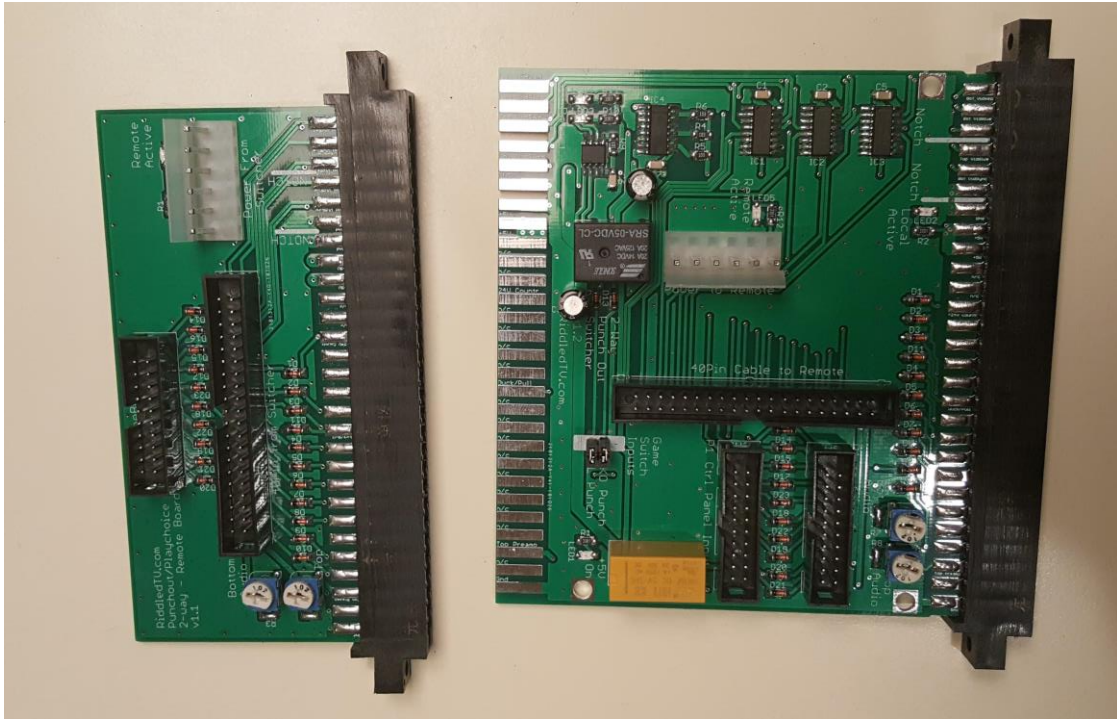


Figure 1. 2-Way Punchout/Playchoice Switcher Kit

Each Kit Includes:

- Mainboard
- Remote Board
- 40pin ribbon cable
- 6wire power cable
- **Optional** – qty 2, 20pin ribbon cables for Playchoice

Features:

- Supports 2 Punchout, SuperPunchout or Playchoice game boards
- Only 1 game board is powered at a time.
- No external remotes are required
- Games are switched by holding KO and Left Punch (Or Game Sel, Start) for 1.5 seconds, or alternate buttons can be connected.

Mainboard Components:

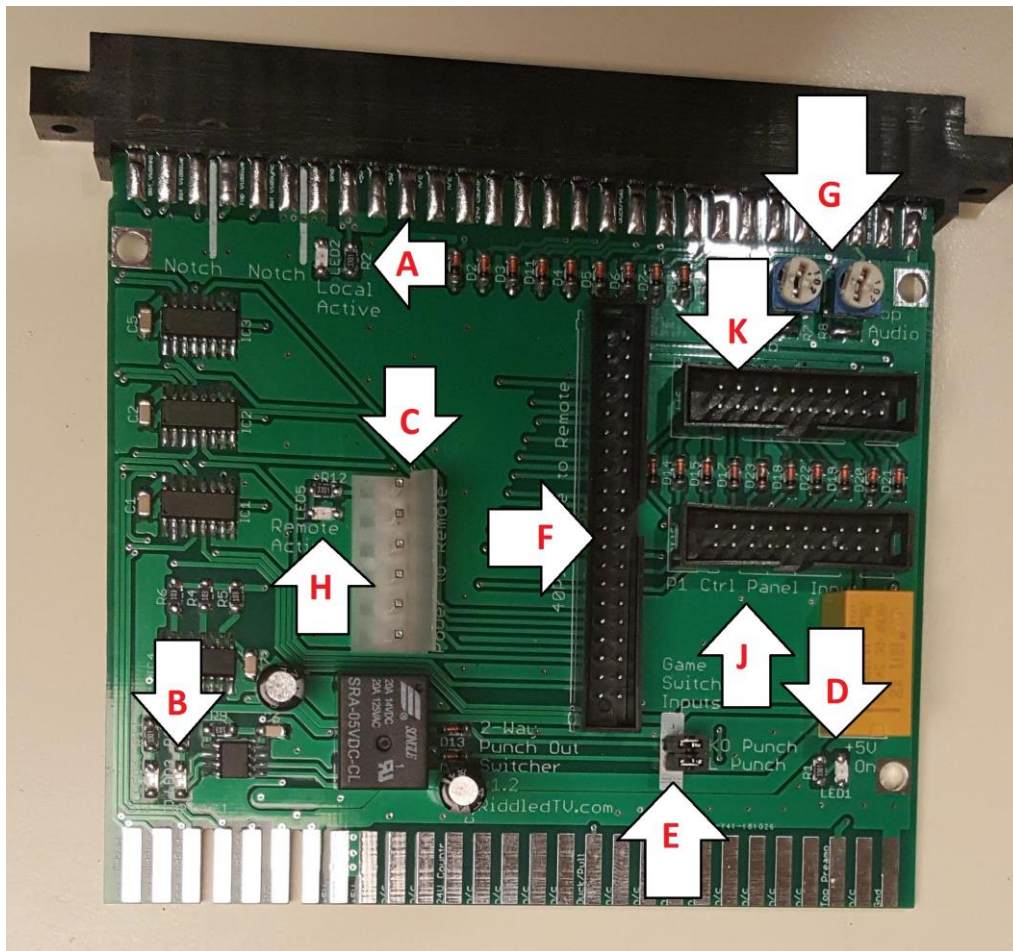


Figure 2 – 2-Way Switcher with Indicator Arrows

- 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 LED 5Volts (only indicate presence of voltage, not accuracy of voltage levels)
- E. Game Select Button Inputs. If jumpers are installed here, KO Punch and L Punch buttons (held for 1.5 sec) will switch to the next game. (For Playchoice, game select and game start buttons are used.)
- F. Remote Ribbon cable header. Plug the 40pin ribbon cable here, and similarly to the remote board.
- G. Volume controls for Local Gameboard. Should normally be set to max.
- H. Indicator LED indicates that the Remote Gameboard is active
- J. Playchoice control panel input
- K. Playchoice P1 connection to gameboard #1

Installation Instructions:

1. Disconnect AC power.
2. Plug the Switcher into your existing harness and mount in a suitable location.
Note: Do NOT connect the 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 **KO Punch**. Verify that the 1st Blue LED on the switcher circuit board illuminates as the KO Punch button is pressed. Note, if an alternate input button is being used, verify the input from that button in place of KO Punch.
 - b. Press **Left Lunch**. Verify that the 2nd Blue LED on the switcher circuit board illuminates as the Left Punch button is pressed. Note, if an alternate input button is being used, verify the input from that button in place of Left Punch.
 - c. Note: If this switcher is being used for **Playchoice**, the default game switch input buttons are **Game Select** and **Game Start**.
6. Turn power switches off, and disconnect AC power.
7. Plug the 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 game select input buttons (see step 5).
10. You may need to readjust your monitor's color balance levels, and the volume controls for each gameboard.
11. Volume controls on the switcher and remote boards should be set to the maximum possible. A volume knob should only be adjusted downward if it is too loud compared to other games.

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Switching Games:

If both jumpers are installed (as shown), the mainboard will switch games when buttons KO Punch and L Punch are pressed for 1.5 seconds. (For Playchoice the default buttons are Game Select and Game Start.) 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 5 indicator LED lights:

- 2 Red LEDs to indicate which gameboard is active
- 1 Red Power Supply indicator LED. The LED indicates that “some” voltage is present on the 5Vpower supply. It does not indicate the accuracy of those voltages.
- 2 Blue LEDs indicate that the switcher detects one or both of the game-select buttons are currently active.

For support or questions:

Contact 2WayPunchout@RiddledTV.com via email.

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