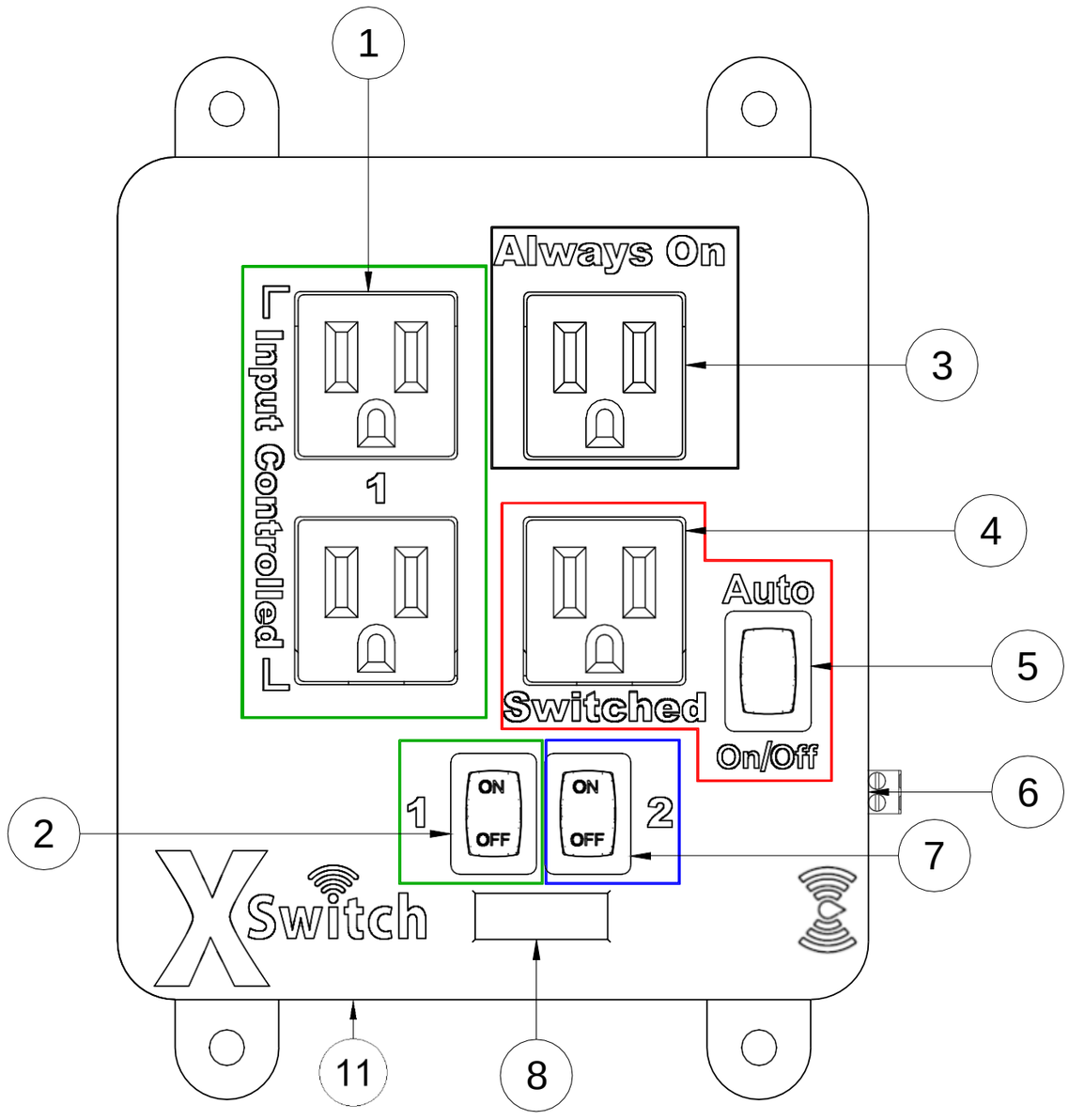
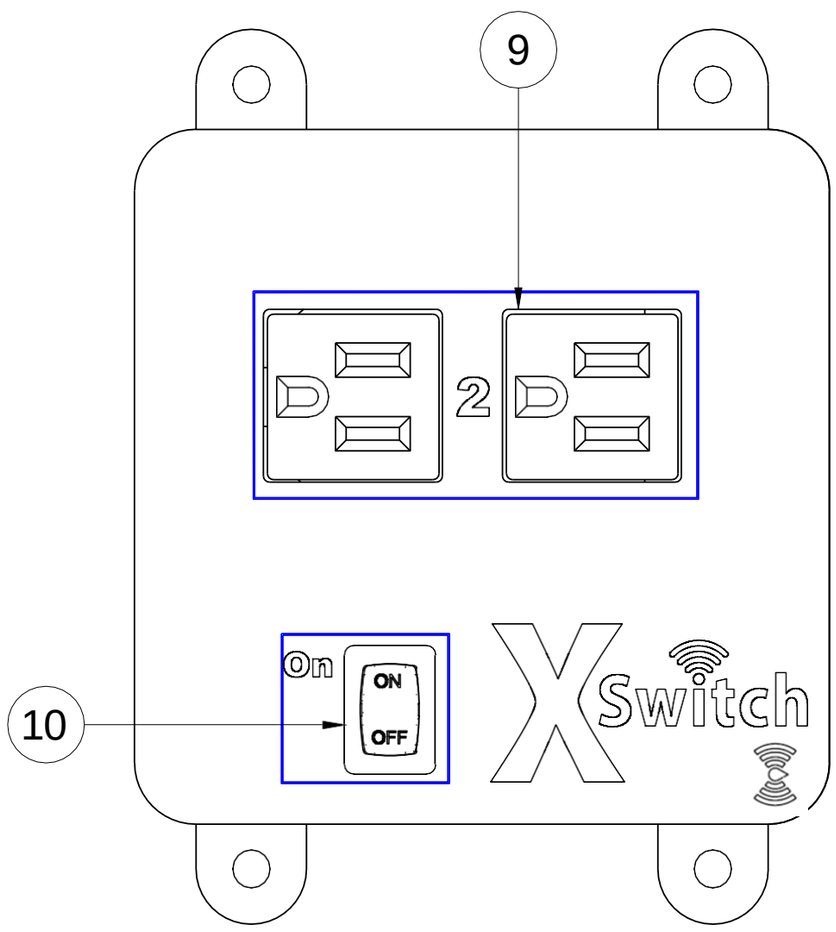
Xswitch Pro User Manual

Base Unit



Remote Unit



1) Input controlled outlet
2) Manual switch for input-controlled outlet
3) Always “ON” outlet
4) Auto off outlet
5) Auto/Manual switch for Auto off outlet
6) External input (from CNC controller)
7) Remote manual switch for remote outlet (9)
8) LCD display
9) Remote input-controlled outlet
10) Manual switch for remote outlet (9)
11) USB connector for firmware updates.

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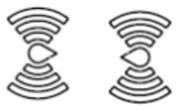
Set Up

Find a suitable location away from other Wi-Fi routers or electrical devices that emit radio waves.
The Wi-Fi antennas offer exceptional range, but results may vary due to environment.
We recommend testing placement before permanently mounting the units.
For best results align the Wi-Fi symbols so they are facing each See example below:



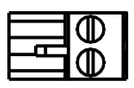
Best Range

This will work but only for shorter distances.

Mount both units with the provided 4 mounting tabs. DO NOT PLUG THE UNITS INTO A WALL RECEPTACLE AT THIS TIME!

On the Base Unit, using the user manual of the CNC machine or a voltmeter, determine the polarity of the output of the CNC machine. On the provided connector, the positive wire goes on the right side and negative on the left. *CAUTION*: WIRING THE UNIT BACKWARDS MAY DAMAGE THE XSWITCH and void warranty! See example below:

+ Positive



- Negative

Insert each end of the bare wires into the provided connector according to polarity and tighten each top screw down till its tight. Give a gentle pull on the wire to make sure it’s in all the way and tight. If it slips out, loosen the screw, insert the wire and retighten. Plug the connector into the Base Unit until its firmly seated.

On the Remote unit, plug the vacuum into outlet (9). Next take the remote unit’s electrical cord and plug it into the remote unit (on the side) and then into the wall receptacle.

On Base Unit, plug the electrical cord for the CNC router into the input-controlled outlet (1) and the CNC controller into the Auto off outlet (4).

Insert the Xswitch electrical cord into the Xswitch (on the side) and then plug it into the wall receptacle. The LCD screen should light up and display “Waiting for Connection”.

In a few seconds the base unit should display the switch status.

On the remote unit, test the Manual switch for remote outlet (10), the remote outlet (9) should turn on/off.

Test the 2 manual switches (2) (base unit outlet) and (7) (remote unit outlet), the corresponding outlets should turn on/off.

On the Base unit: Push the Auto/Manual switch (5) down once to On/Off, the Auto outlet (4) should turn on, push the switch down again and the outlet should turn off.

Push the Auto/Manual switch (5) up once to Auto, the Auto outlet (4) should turn on, Push it up again and the outlet should turn off.

Prepare a very short test cut, push the auto/manual switch up to Auto and the CNC machine should turn on. Run the test cut, the router and vacuum should come on. When it’s finished, the router should turn off and 30 seconds later the vacuum and CNC controller should turn off. See the OPERATION section for detailed operation.

OPERATION

Input controlled outlets 1 and 2:

When an input is supplied to the external input (6), the input-controlled outlet (1) and the remote input-controlled outlet (9) turns on. When the external input turns off, both outlets shut off.

Manual Switch (2) manually controls the input-controlled outlet (1).

Remote Manual Switch (7) manually controls the remote outlet (9)

Manual switch for remote outlet (10) controls the remote outlet (9)

Auto off outlet (4):

Putting the Auto off outlet into Auto mode will automatically shut off the outlet when the cut is finished. To activate Auto Off follow the steps below.

The auto off outlet is controlled with the Auto/Manual switch (5). Pressing the switch up to “AUTO” will turn on the outlet. When the external input is activated, both outlets 1 and 9 will turn on. Once the external input is deactivated, outlet 1 will turn off , once 30 seconds has passed both the remote outlet (9) and the auto outlet (4) will turn off.

Example: Assuming the following: router plugged into outlet (1), CNC controller plugged into Auto off outlet (4), and vacuum plugged into remote outlet (9). Pressing the Auto/Manual switch up, the CNC controller will turn on. Start the cut and both input controlled outlets (1) and (9) will turn on. When the cut is finished, the external input is deactivated by the CNC controller and outlet (1) turns off. After 30 seconds, outlet (9) turns off shutting off the vacuum and outlet (4) turns off shutting off the CNC controller.

Auto off outlet (4) in manual mode:

Sometimes you will want the CNC controller to stay on all the time (for multiple short runs). To activate manual mode for the auto off outlet, press the auto/manual switch down to on/off. The auto off outlet (4) is now in manual mode and will stay on until you again press the switch down to on/off.

Resetting the mode:

To ensure that you are in the correct mode, always be sure to turn the auto off outlet off before switching modes. Example: You pushed the auto/manual switch down for manual mode but decide you want it in auto mode. You will need to push the switch down again to turn off the outlet and reset the mode, and then push the switch up for auto. Failing to reset the mode may result in unexpected results.

Troubleshooting

Switch is locked up:

As with any Wi-Fi device, it may become unresponsive or very slow at times. Often times just unplugging the Base unit will fix the problem. If it doesn’t then unplug both units and wait 30 seconds, then plug the Remote Unit in first followed by the Base Unit.

The display is stuck at “Waiting for Connection”:

Unplug both units and wait 30 seconds then plug the Remote Unit in first followed by the Base Unit.

The outlets will not turn on when starting a cut:

1) Make sure there is an actual voltage output >3v from the machine using a voltmeter.
2) Make sure the polarity is correct at the external input connector.

3) Unplug both units and wait 30 seconds then plug the Remote Unit in first followed by the Base Unit.