# Simple Plug Lamp

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## Contents

This tutorial will teach you how to make a wired plug lamp.

## Building the lamp

**You will need:**

*WireMod*

*PHX (Optional)*

*SmartSnap (Optional)*

**Building:**

1. Spawn a PHX plate or other prop you would like to use. (I suggest 1X1)

2. Weld the plate sideways to the ground.

3. Spawn a PHX 1X2 plate or other prop you would like to use.

4. Weld it sideways to the ground as you did with the 1X1 plate.

5. Go to the Wire tab and choose the *Plug*.

6. Place the socket to the 1X1 plate and the plug to the socket.

7. Choose the *Lamp* or *Light* tool (No matter wich one)

8. Place the lamp or light to the 1X2 plate.

9. Choose the *Constant Value*

10. Make the Constant Values values as: 1 Value, Value 1: 1

11. Place the Constant Value next to the socket.

12. **OPTIONAL:** Make a rope connecting the Plugs end near the lamp or light.

**Wiring:**

1. Wire the *Socket A* to the *Constant Value*.

2. Wire the *Lamp On* to the *Plug A*

3. You are finished!

[Finished Plug Lamp.jpg](Finished Plug Lamp.jpg)

This is what the finished plug lamp should look like.

**Testing:**

Attach the plug to the socket. Does the light/lamp switch on? If it does, congratulations! You made your own plug lamp! If not, see if the wiring is correct.

# Extra

You can make lights and lamps to be toggled on/off if the lamps plug is connected to a socket! Just like a real lamp! You can also toggle is the socket even giving 'electricity'!

## Making a toggleable lamp/light

**Building:**

1. Repeat all the steps to build the lamp frame and plugs.

2. Choose the wire *Button*

3. Buttons values: Value On = 1, Value Off = 2

3. Place the button to the lamp frame.

4. Choose the *Gate-Comparison-Equal*

5. Place it near the button.

**Wiring:**

1. Repeat step 1 on the normal lamp part

2. Wire the *Gate-Comparison A* to the *Plug*

3. Wire the *Gate-Comparison B* to the *Button*

4. Wire the *Lamp* to the *Gate-Comparison Out*

5. You are finished!

[Finished Toggle Plug Lamp.jpg](Finished Toggle Plug Lamp.jpg)

The Finished Button Lamp

**Testing**

Attach the plug to the socket. Click the button. Does the light turn on? If it does, try taking off the plug, does the light turn off?

## Making a 'Generator' for the plug.

NOTE! This is only useful when the lamp has its own button!

**Building:**

1. Repeat the steps of building the lamp frame, but dont make the *Constant Value*

2. Instead, replace it with a wire *Button* of your choise.

3. Button values: Value On: 1, Value Off: 0

4. Place the button near the socket.

**Wiring:**

1. Repeat the steps in the normal light wiring, but ignore the constant value wiring.

2. Wire the *Socket A* to the *Button*

3. You are finished!

[Finished Plug Generator.jpg](#)

The Finished generator

**Testing**

Attach the plug to the socket and turn the 'generator' and the lamp on. Does the lamp turn on? If it does, try shutting the power of the generator. Does the lamp turn off?

# Other

Play with the possibilities of the plug and try making crazy constraptions using it! Or maybe try making a realistic house!

You can use the Sizeable Plug/Socket (http://www.garrysmod.org/downloads/?a=view&id=75957) to make smaller plugs for your fit.

--[Funley](#)--

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