

# Package ‘magicLamp’

May 8, 2026

**Type** Package

**Title** 'WeMo Switch' Smart Plug Utilities

**Version** 0.1.0

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**Description** Set of utility functions to interact with 'WeMo Switch', a smart plug that can be remotely controlled via wifi. The provided functions make it possible to turn one or more 'WeMo Switch' plugs on and off in a scriptable fashion. More information about 'WeMo Switch' can be found at <<http://www.belkin.com/us/p/P-F7C027/>>.

**License** GPL-3

**URL** <https://github.com/swarm-lab/magicLamp>

**Encoding** UTF-8

**LazyData** true

**Imports** httr (>= 1.3.1), tibble (>= 1.3.4)

**RoxygenNote** 6.0.1

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2017-09-21 09:04:42 UTC

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wemo_OFF	<i>Turn WeMo Switch OFF</i>
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**Description**

Turn WeMo Switch smart plugs off

**Usage**

```
wemo_OFF(ip)
```

**Arguments**

ip	A characted string or vector of character strings representing the IP address(es) of WeMo Switch smart plug(s).
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**Value**

A [tibble](#) with two columns:

**ip** The IP address of the WeMo Switch smart plug

**success** A logical indicating whether the WeMo Switch was successfully turned off. NA will be returned is no WeMo Switch is detected at this IP.

**Author(s)**

Simon Garnier, <garnier@njit.edu>

**Examples**

```
## Not run:  
wemo_OFF("192.0.1.1")  
  
## End(Not run)
```

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wemo_ON	<i>Turn WeMo Switch ON</i>
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**Description**

Turn WeMo Switch smart plugs on.

**Usage**

```
wemo_ON(ip)
```

**Arguments**

**ip** A characted string or vector of character strings representing the IP address(es) of WeMo Switch smart plug(s).

**Value**

A `tibble` with two columns:

**ip** The IP address of the WeMo Switch smart plug

**success** A logical indicating whether the WeMo Switch was successfully turned on. NA will be returned is no WeMo Switch is detected at this IP.

**Author(s)**

Simon Garnier, <garnier@njit.edu>

**Examples**

```
## Not run:
wemo_ON("192.0.1.1")

## End(Not run)
```

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wemo\_PORT

*WeMo Switch Port*


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**Description**

Automatically detects the port used by WeMo Switch smart plugs.

**Usage**

```
wemo_PORT(ip, timeout = 0.1)
```

**Arguments**

**ip** A characted string or vector of character strings representing the IP address(es) of WeMo Switch smart plug(s).

**timeout** Number of seconds to wait for a response until giving up. Can not be less than 1 ms (default: 0.1).

**Value**

A `tibble` with two columns:

**ip** The IP address of the WeMo Switch smart plug.

**port** The port at which the WeMo Switch smart plug can be accessed. NA will be returned is no WeMo Switch is detected at this IP.

**Author(s)**

Simon Garnier, <garnier@njit.edu>

**Examples**

```
## Not run:  
wemo_PORT("192.0.1.1")  
  
## End(Not run)
```

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wemo\_STATE

*Check WeMo Switch State*

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**Description**

Check the ON/OFF state of WeMo Switch smart plugs.

**Usage**

```
wemo_STATE(ip)
```

**Arguments**

**ip** A characted string or vector of character strings representing the IP address(es) of WeMo Switch smart plug(s).

**Value**

A [tibble](#) with two columns:

**ip** The IP address of the WeMo Switch smart plug

**state** 'ON' if the WeMo Switch is turned on, 'OFF' if it is turned off. NA will be returned is no WeMo Switch is detected at this IP.

**Author(s)**

Simon Garnier, <garnier@njit.edu>

**Examples**

```
## Not run:  
wemo_STATE("192.0.1.1")  
  
## End(Not run)
```

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