Package ‘magicLamp’

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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
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wemo_OFF

**Description**

Turn WeMo Switch smart plugs off

**Usage**

```r
wemo_OFF(ip)
```

**Arguments**

- `ip`: A character 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 off. NA will be returned if no WeMo Switch is detected at this IP.

**Author(s)**

Simon Garnier, `<garnier@njit.edu>`

**Examples**

```r
## not run:
wemo_OFF("192.0.1.1")
## end(not run)
```

---

wemo_ON

**Description**

Turn WeMo Switch smart plugs on.

**Usage**

```r
wemo_ON(ip)
```
wemo_PORT

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 if 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)

### wemo_PORT  WeMo Switch Port

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 if no WeMo Switch is detected at this IP.
wemo_STATE

Author(s)
Simon Garnier, <garnier@njit.edu>

Examples
## not run:
wemo_PORT("192.0.1.1")

## End(not run)

wemo_STATE  Check WeMo Switch State

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

Usage
wemo_STATE(ip)

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

Value
A tibble with two columns:

<table>
<thead>
<tr>
<th>ip</th>
<th>The IP address of the WeMo Switch smart plug</th>
</tr>
</thead>
<tbody>
<tr>
<td>state</td>
<td>'ON' if the WeMo Switch is turned on, 'OFF' if it is turned off. NA will be returned if no WeMo Switch is detected at this IP.</td>
</tr>
</tbody>
</table>

Author(s)
Simon Garnier, <garnier@njit.edu>

Examples
## not run:
wemo_STATE("192.0.1.1")

## End(not run)
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