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

Repository CRAN

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R topics documented:

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wemo_OFF   *Turn WeMo Switch OFF*

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).

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   *Turn WeMo Switch ON*

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)
```

---

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 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*

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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