
AndroidTest Documentation

Release stable

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Contents

```
>>> switch_device(device)
```

description switch to the Android Phone by serial-number

device The serial-number of Android Phone(adb devices).

```
>>> assert_exists(template_pic, threshold=0.9, device=None, timeout=10)
```

description throw a Error if template picture is not in current screen of Android Phone

template_pic The object of Template class

threshold The threshold of match template in opencv, the default is 0.9.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

timeout Picture match will continue until time is overtime, the default is 10 second.

```
>>> assert_not_exists(template_pic, threshold=0.9, device=None, timeout=10)
```

description throw a Error if template picture is in current screen of Android Phone

template_pic The object of Template class

threshold The threshold of match template in opencv, the default is 0.9.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

timeout Picture match will continue until time is overtime, the default is 10 second.

```
>>> exists(template_pic, threshold=0.9, device=None, timeout=10)
```

description return True is template picture is in current screen of Android Phone, else return Flase

template_pic The object of Template class

threshold The threshold of match template in opencv, the default is 0.9.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

timeout Picture match will continue until time is overtime, the default is 10 second.

```
>>> touch(template_pic, threshold=0.9, device=None, delay=0.4, timeout=10)
```

description touch template picture,throw a Error if template picture is not in current screen of Android Phone

template_pic The object of Template class or a point like [110,220] or (110,220).

threshold The threshold of match template in opencv, the default is 0.9.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

delay When delay < 0.5, is in press station; When delay > 0.5, is in long press station.

timeout Picture match will continue until time is overtime, the default is 10 second.

```
>>> touch_if(template_pic, threshold=0.9, device=None, delay=0.4, timeout=10)
```

description touch template picture if template picture is in current screen of Android Phone

template_pic The object of Template class or a point like [110,220] or (110,220).

threshold The threshold of match template in opencv, the default is 0.9.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

delay When delay < 0.5, is in press station; When delay > 0.5, is in long press station.

timeout Picture match will continue until time is overtime, the default is 10 second.

```
>>> long_touch(template_pic, threshold=0.9, device=None, delay=0.8, timeout=10)
```

description long touch template picture,throw a Error if template picture is not in current screen of Android Phone

template_pic The object of Template class or a point like [110,220] or (110,220).

threshold The threshold of match template in opencv, the default is 0.9.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

delay When delay < 0.5, is in press station; When delay > 0.5, is in long press station.

timeout Picture match will continue until time is overtime, the default is 10 second.

```
>>> touch_in(template_pic, target_pic, threshold=0.9, device=None, delay=0.4, ↵
↳ timeout=10)
```

description touch small picture in big picture

template_pic The object of Template class, samll picture template object.

target_pic The object of Template class, big picture template object.

threshold The threshold of match template in opencv, the default is 0.9.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

delay When delay < 0.5, is in press station; When delay > 0.5, is in long press station.

timeout Picture match will continue until time is overtime, the default is 10 second.

```
>>> flick(start, direction, step=1, device=None)
```

description flick screen to different direction.

start The point to start flick screen.

direction The direction you want to flick, value is in [DIR_UP, DIR_DOWN, DIR_LEFT, DIR_RIGHT].

step The step to flick.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

```
>>> swipe(start, end, device=None)
```

description swipe from one point to another point.

start The point to start swipe.

end The point to end swipe.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

```
>>> keyevent(keycode, device=None)
```

description do hardkey actioin using keycode.

keyevent The keycode of hardkey you want to operate to your Android Phone, value is in [HOME, BACK, VOLUME_UP, VOLUME_DOWN, POWER].

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

```
>>> text(input, device=None)
```

description input string via keyboard

input The input string.

device If your connect PC with more than one Android Phone, your will use this to identify which phone you want to operate by its serial number, beacuse every Android Phone has its own searial number.

```
>>> image_to_string(template_pic)
```

description recognize text in pictures

template_pic The object of Template class or a list [top_left_x, top_left_y, bottom_right_x, bottom_right_y] like [120,200,200,400].

```
>>> sleep(delay)
```

description sleep for some second

delay Sleep time.

```
>>> end ()
```

description to end runing case in your case