# Smart IP Button (IPBTN) Installation





- For third-party software application, consult guide for access method (often uses configuration file).

## MOUNT THE BUTTON DEVICE

- Use device to mark installation location.
- Choose the best location and orientation to make the push button easy to access by the user, as well as to connect the network cable.
- Secure device using mounting hardware appropriate for the installation surface.
- Drywall: #8-32 steel screw x 1-5/8" min. length fastened to a 75 lbs. rated drywall anchor, or similar
- Concrete: #8-32 steel screw x 5/8" min. length fastened to a 8-32 concrete anchor with 9/16" min. length, or similar

## CONNECT TO THE NETWORK

- Connect a network cable (CAT 5 or better) to the RJ-45 port (PoE/PoE+).
- Connect the other end of the network cable to an LPS (Limited Power Source) PoE (Power over Ethernet) network switch or PoE injector on a network with a DHCP server.

## ACCESS THE DEVICE

Use one of these ways to access the device:
- Enter the IP address assigned by the DHCP server in your browser.
- Enter the IPv6 link-local address in your browser, formatted as *http://[fe80::2246:f9ff:feXX:XXXX]* (XX:XXXX = last 6 digits of MAC address).
- Double-click on the device in the IPClockWise Endpoints list to open the web server interface.

## CONFIGURE THE BUTTON

- Set up the button to trigger notifications, alerts, or other signal (see next page).
- Consult the IPClockWise User Manual (available on the Customer Portal www.anetd.com/portal/) or third-party software guide for further instructions.
- Test before putting it into service.

## OPERATION

The front panel blue LED provides feedback on a button push. The LED flashes upon the initial button press. Once the device then connects to a SIP phone or HTTP Callback server, the LED will stop flashing and remain on solid for at least 5 seconds.

## CONFIGURATION OPTIONS

The device ships with default settings:

| | |
|---|---|
| *SIP Mode* | "Button" |
| *Push-to-Talk 1 Trigger Only* | "Yes" |
| *Activate GPIO 0 During Active Call* | "Yes" |
| *Send Activations Only* | "Yes" |
| *GPIO 0 Output Pulse Time* | "5000" |
| *GPIO 0 Output Blink Period* | "500" |
| *Indicate GPO* | "0" |
| *Indicate Trying Action* | "Blink" |
| *Indicate Success Action* | "Pulse" |

**Configuration File Setup**

```
<SIPConfig
  SIP_mode="button"
  push_to_talk_ip1_trigger_mode="1"
  gpio0_when_active_call="1" />
<GPIO
  pulse_ms_output_gpio0="5000"
```

```
  blink_ms_output_gpio0="500" />
<GPIO_callback
  send_activations_only="1" />
<Indicate
  indicate_gpo="0"
  trying_action="blink"
  success_action="pulse" />
```

## REGISTRED SIP CALL

Register the Smart IP Button device to an SIP server to call an SIP phone or ring a group.

### Configuration File Parameters

SIPConfig tag (values included for example):

```
<SIPConfig
  push_to_talk_ip1="301"
/>
```

### Web Server Settings

- Go to *Device Settings* → *SIP*.
- Under *SIP GPIO Input Action Settings*, set *Push-to-Talk 1* to the SIP extension the button should call.
- Select *Save and Apply* to save changes.

## DIRECT SIP CALL

Call a SIP phone directly without registration to a SIP server.

### Configuration File Parameters

SIPConfig tag (values included for example):

```
<SIPConfig
  push_to_talk_ip1="sip:301@10.10.7.168"
/>
```

### Web Server Settings

- Go to *Device Settings* → *SIP*.
- Under *SIP GPIO Input Action Settings*, set *Push-to-Talk 1* to the SIP extension the button should call.
- Select *Save and Apply* to save changes.

## PUSH AND HOLD SIP CALL

In addition to the Push-to-Talk call, configure a second action (registered or direct SIP call) to dial a different SIP extension when holding the button for a specified time or longer.

### Configuration File Parameters

SIPConfig tag (values included for example):

```
<SIPConfig
  push_to_talk_ip1_alt="301"
  push_to_talk_ip1_alt_ms="2000"
/>
```

### Web Server Settings

- Go to *Device Settings* → *SIP*.
- Under *SIP GPIO Input Action Settings*, set *Push-to-Talk 1 Alternate* to the SIP extension the button should call when held for the desired duration.
- Set *Push-to-Talk 1 Alternate Hold Time* to the desired duration (in milliseconds) to hold the button to trigger the call.
- Select *Save and Apply* to save changes.

## HTTP CALLBACK

Send an HTTP GET to IPClockWise or a third-party software solution.

### Configuration File Parameters

GPIO_callback tag (value included for example):

```
<GPIO_callback
 url="http://10.10.7.168:8089/"
/>
```

### Web Server Settings

- Go to *Device Settings* → *Servers*
- Set *GPIO Callback URL* to the HTTP string.
- Select *Save and Apply* to save changes. See the IPClockWise manual to configure an alert to trigger on this callback.

## RESOURCES

SIP Configuration:
https://www.ipspeaker.com/support30/help/settings.html#sip
User Support:
https://www.anet.com/user-support/
AND Limited Warranty:
https://www.anetd.com/warranty/
Legal Disclaimer: https://www.anetd.com/legal/