Smart Panic IP Button (Discreet) Installation Guide

IPBTN-DIS

Mounting the Device

- Use the 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 (CAT5e or better) to the RJ-45 port (PoE/PoE+).
- Connect the other end of the network cable to a PoE (Power over Ethernet) network switch or PoE injector on a network with a DHCP server.

NOTE: ANetD products require an IEEE 802.3af/at/bt compatible switch or injector to correctly classify and supply the power needed for our devices. Use of non-standard PoE powering schemes (such as 24V passive PoE) may cause damage and void your warranty.

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.
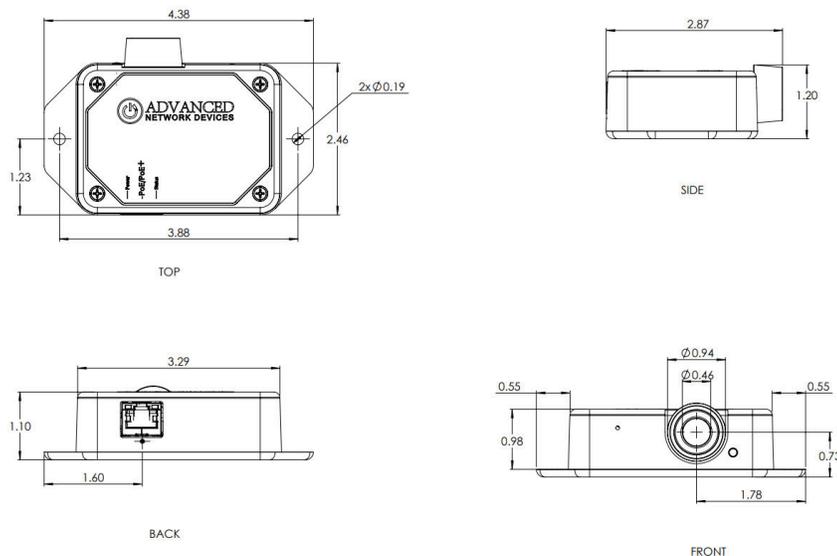
- For third-party software applications, consult a guide for access methods (often uses configuration file).

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"
- **Emergency Indication:** "SIP"
- **Indicate Trying Action:** "Clear"
- **Indicate Success Action:** "Blink"
- **Indicate Unready Action:** "Clear"
- **Indicate Ready Action:** "Set"
- **Indicate Failure Action:** "Clear"

Configuration File Setup

```XML
<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="clear"
success_action="blink" unready_action="clear"
ready_action="set" failure_action="clear"/>
```

Registered SIP Call

Register the Smart IP Button device to an SIP server to call an SIP phone or ring a group and playback a pre-recorded message. See [App Note #48](#) for details.

Configuration File Parameters
SIPConfig tag (values included for example):

```XML
<SIPConfig push_to_talk_ip1="301"
mic_replacement_filename="file.wav"/>
```

Web Server Settings
- If not using configuration files, go to **Device Settings → SIP**.
- Under **SIP GPIO Input Action Settings**, set **Push-to-Talk 1** to the SIP extension to call and **Mic Replacement Filename** to the audio wav file to playback.
- 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):

```XML
<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):

```xml
<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):

```xml
<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.

Configure the Button

- Set up the button to trigger notifications, alerts, or other signals (see next page). Consult the IPClockWise User Manual (available on the Customer Portal www.portal.anetd.com/) or third-party software guide for further instructions.
- After configuration is complete, the light on the button will illuminate indicating the device is successfully connected and ready for use. If it does not illuminate, re-check the configuration settings or contact our [Technical Support](#) team
- Test operation before putting into service.

Operation

With the default settings, the following LED states are encountered during operation.

The button LED illuminates when the device is registered to a server and ready for use.

SIP Emergency Indication Mode: Once the button is pressed, and a connection is made to the configured SIP extension, the LED will blink indicating success.

HTTP (Server) Emergency Indication Mode: Once the button is pressed, and communicates to the configured server, the LED will blink indicating success.

The LED success state can only be canceled by a separate Clockwise Campus emergency state clear notification or using SNMP to set the device's emergencyActive OID to "2" (false). This OID value is 1.3.6.1.4.1.39866.3.1.3.27.1.0.

Factory Reset

If a device fails to operate for any reason, there is access to a factory reset via a port under the PoE input. With the device powered on, insert the end of a paper clip into the hole and lightly hold for 10 seconds.

Additional Resources

SIP Configuration: ipspeaker.com/support30/help/settings.html#sip
Support Center: https://anetd.com/resources/
Documents: https://anetd.com/resources/documentation/
ANetD Warranty: https://anetd.com/warranty
ANetD Legal Disclaimer: https://anetd.com/privacy-policy/