Button Kit with Microphone
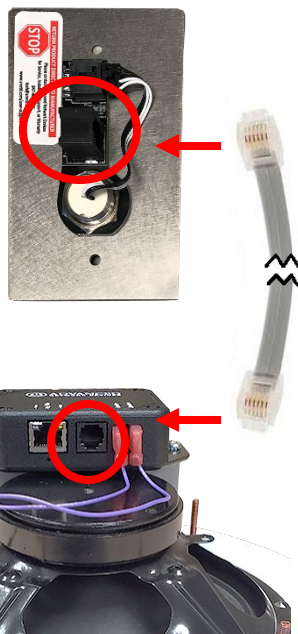## (BTN-KIT-MIC-ND) Installation

WIRING

OVERVIEW

The Call Button Kit with Microphone (Non-Displays) (BTN-KIT-MIC-ND) includes a lighted push button and microphone mounted on a stainless-steel wall plate. Provides a general purpose input as well as a microphone input to compatible ANetD devices. Button LED will light up when microphone is active.

DEVICE REQUIREMENTS

Compatible with ANetD models IPSCM-RMe, IPSCM, IPSWS-SM, and IPSWS-FM with MAC address 20:46:F9:0a:00:00 or higher.

Disconnect the ANetD device's built-in microphone RJ-12 cable from the mic/input jack, if connected. Connect RJ-12 (6P6C) cable of suitable length for install location (not provided) between the wall plate and the ANetD device. 40 ft maximum length is recommended for best performance. If 50 ft is desired, cable C2G #08115 was tested and is compatible.

NON-REGISTERED OPERATION

If the ANetD device is not registered with any servers, you can use the following general purpose URL callback to generate actions based on the push button press.

1. Power up the ANetD device with the monitored input.

2. Configure a GPIO Callback URL for the device. This example uses the URL *http://10.10.3.4:8089/directory/file,* where *10.10.3.4:8089* is the IP address and port of the server that will receive the response. Note that *directory* and *file* are optional parameters.

   - If configuring the device using the device's web page, select **Device Settings → Servers** to locate the *GPIO Callback URL*. Set the URL to *http://10.10.3.4:8089/directory/file*, and save the settings.

   - If using a configuration file, add the following tag:

```
<GPIO_callback
url="http://10.10.3.4:8089/director
y/file"  min_update_period_ms="250"
/>
```

3. Reboot the device.

   In this example, when the input changes state, the device will execute an HTTP GET to 10.10.3.4, port 8089, of the following format (parameters detailed below):

```
GET
/directory/file?address=2046f901020
3&gpinputid=0&state=1&transitions=3
40
```

Parameter	Description
address	The MAC address of the device with the input state change
gpinputid	the input number that changed
state	state of that input (0 or 1)
transitions	the total number of transitions for that input since last reboot

IPCLOCKWISE GPIO CALLBACK

1. Obtain the IP address of the PC running ClockWise Campus. In Windows, run *ipconfig* from a

command prompt to list the address.

2. Power up the ANetD device with the monitored input.

3. Set the GPIO Callback URL to *http://10.10.3.4:8089* where *10.10.3.4* is the IP address of the PC running ClockWise Campus. See section 2 of *Non-Registered Operation* for configuration options.

4. In ClockWise Campus, under the *Alerts* tab, select *Add an Alert*.

5. In the *Edit Alert* window, in the middle section labeled *Trigger*, select *GPIO In* in the *Source* drop down box and then select the appropriate *Channel*, 0 or 1, depending on the input the alert will monitor.

6. Optional: To trigger a Live Sound Intercom or Monitor request with the triggered input, select an *Extra Action*, typically *Intercom*. For example, if selecting *Intercom* for an ANetD device equipped with a call button, ClockWise Campus will sound an alert in the Intercom Call Waiting tab of the *Live Sound* tab when pressing the button. This action will alert the ClockWise Campus attendant of an intercom call request, to which the attendant can respond by double-clicking on the device in the call waiting list.

7. Check the checkbox next to the device(s) with the monitored input in the *Listen for trigger source* list at the bottom of the screen.

8. Fill out the remaining details of the Alert, such as a scrolling message and audio file, as well as the devices to receive the alert in the *Output devices* list, if desired.

9. Select *OK* to save the Alert. ClockWise Campus will now respond to the input as configured.

PUSH-TO-TALK OPERATION

You can use the push button to call and/or connect to a phone or other third-party SIP device, when

configured for "push-to-talk" operation.

ANetD Device to Phone Operation

1. Configure the ANetD to register to a SIP server

- If configuring the ANetD device using on-board settings, access the device's web page, and select **Device Settings→ SIP**. Under *SIP GPIO Input Action Settings*, set the *Push-to-Talk 1* parameter to the extension or SIP ID of the phone or third-party device to call when pressing the button. Save the settings.

- If configuring the device using a configuration file, add, or modify the push_to_talk_ip1 parameter in the *SIPConfig* tag:

```
<SIPConfig
    push_to_talk_ip1="2450"
/>
```

See related third-party documentation for details on setting up a SIP extension on the ANetD device.

2. Reboot the device

A momentary press of the push button will dial the phone or device specified by the programmed extension number. If the phone or other device accepts the call, they will be put into a two-way conversation. Press the button again to end the call.

ADDITIONAL RESOURCES

User Support:

https://www.anetd.com/user-support/

Technical Resources:

https://www.anetd.com/user-support/technical-resources/

ANetD Legal Disclaimer:

https://www.anetd.com/legal/

Static Electricity Warning