[AN004]

IPClockWise: GPIO Callback

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Static Electric Warning

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SETTING UP GPIO EVENTS IN IPCLOCKWISE

1. Get the IP address of the PC running IPClockWise. In Windows, run *ipconfig* from a command prompt to list the address.

2. Power up the AND device with the GPIO input that will be monitored.

3. Configure the device to point to the PC running IPClockWise.

   To configure the device using onboard settings, access the web page for the device:
   - Select **Device Settings → Servers**.
   - Locate the GPIO Callback URL, and set it to *http://10.10.3.4:8089/* where *10.10.3.4* is your PC's IP address (obtained in step 1).

GPIO Callback URL		help
Stored Value	http://10.10.3.4:8089/	
New Value	http://10.10.3.4:8089/	

   To configure the device using a configuration file, add the following tag, where *10.10.3.4* is the IP address of your PC (obtained in step 1):

```
<GPIO_callback url="http://10.10.3.4:8089/" min_update_period_ms="250" />
```
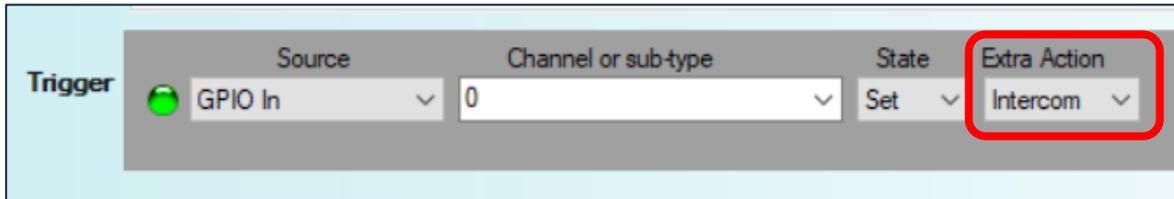
4. Save the settings, and reboot the device.

5. In IPClockWise, under the *Alerts* tab, select *Add an Alert*.

6. In the Trigger section, select "GPIO In" as the *Source*. Set the *Channel or sub-type* to "0" or 1" for monitoring GPIO Input 0 or 1, respectively. Set the *State* to "Set" to look for the input going active.

Trigger	Source	Channel or sub-type	State	Extra Action
	GPIO In	0	Set	None

7. *OPTIONAL STEP*
   You can select an extra action in the *Trigger* Section. For example, if *Intercom* is selected for a push button-equipped speaker, IPClockWise will sound an alert in the Intercom Call Waiting tab of the Live Sound tab when the button is pressed. This action will alert the IPClockWise attendant of an intercom call request. The attendant can then respond to the request by double-clicking on the device in the call waiting list.

8. Check the checkbox next to the device with the monitored GPIO input in the *GPIO Listen for Trigger Source* list at the bottom of the screen.

9. 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.

10. Select *OK* to save the Alert.

IPClockWise will now respond to the GPIO input as configured.

Advanced Network Devices • 3820 Ventura Dr. Arlington Hts. IL 60004 • Fax: 847-359-5418
Support: tech@anetd.com • 847-463-2237 • www.anetdsupport.com
4

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