

# Wildcard Recipe: 2N - Open a Gate

## Problem

Your Crestron Home project includes a 2N door station, and you'd like to be able to trigger a gate open from a quick action. Easy!

## Solution

The Ultamation HTTP GET or POST Wildcard modules can be used to send commands to the device, via manual button presses or by integrating the commands into Quick Actions and sequences in Crestron Home.

⚠ It is assumed you already have the RAVA configuration correctly set up in Crestron Home to communicate with the 2N door station, and also have the enhanced integration licence installed on the 2N system.

ℹ You will need to disable authentication on the 2N integration API for the HTTP GET/POST commands to be accepted.

1. Add the Ultamation HTTP POST, or GET Wildcard driver to Crestron Home  
2N will accept both GET and POST commands for many of the API calls - this solution has been tested with the GET driver.
2. Configure your chosen commands for buttons or discrete commands (under Actions/Sequences) using the information in the table, and examples below.
3. You're in the 1-hour trial period window - give your new integration a test drive!
4. Once you're happy everything is working, purchase a licence key for your processor from [HTTP/S POST "Wildcard" for Crestron Home](#) or [HTTP/S GET "Wildcard" for Crestron Home](#) depending on which module you're using.
5. Add the licence key to your Crestron Home configuration (under "Installer Settings")

## Command Table


Command	API Endpoint
Gate Open (trigger a switch)	api/switch/ctrl?switch=1&action=trigger
Gate Hold	api/switch/ctrl?switch=1&action=hold
Gate Release	api/switch/ctrl?switch=1&action=release

ℹ The "switch" field is the switch relay ID configured in the 2N system - typically 1-4  
The "action" field is required and can be "trigger" if monostable, or toggle for bistable, "on", "off", "lock", "unlock", "hold" or "release"

ℹ The full 2N API is available here: [2N HTTP API manual for 2N devices - HTTP API manual for 2N IP intercoms](#)  
This explains the 2N HTTP and all of the options fully.

## Examples

The following example shows you how format the the commands in the Installer Settings of the module.

 The first element - "Label" - can be whatever you want to have displayed on the button. The other elements must be formatted exactly as shown.

**Have the 2N door station open the gate (configure relay 1 in monostable mode)**

```
1 Gate|api/switch/ctrl?switch=1&action=trigger
```