Pushover RTI Driver

Revision:	20181116
Date:	2018-11-16
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Overview

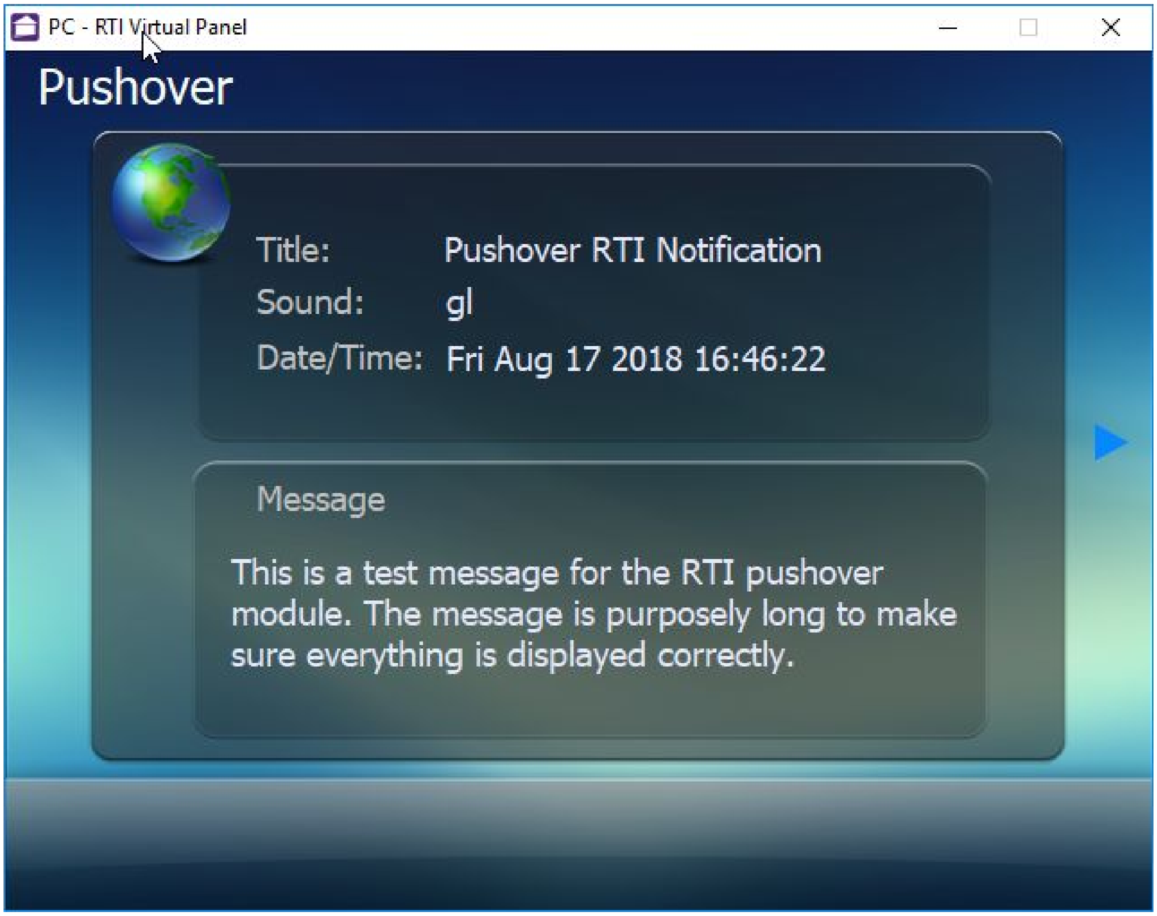
The Pushover module integrates with the pushover notification service http://pushover.net

Pushover makes it easy to get real-time notifications on your Android, iPhone, iPad, and Desktop (Android Wear and Apple Watch, too). They offer a 7 day trial period after which a licence can be purchased for a once off fee of $4.99 US.

The module can both send and receive notifications. Sent notification can go to all of your registered devices or you can choose a specific device.

Received notifications can be displayed on your touchscreen device or used to trigger events. You can send these notification from a range of applications or by simply sending an email.

The real power comes when using a system like If This Then That (IFTTT) or Zapier. Using these services it is possible to connect a range of services that have no other way of integrating with RTI allowing for very sophisticated automation.



Title: Pushover RTI Notification
Sound: gl
Date/Time: Fri Aug 17 2018 16:46:22

Message

This is a test message for the RTI pushover module. The message is purposely long to make sure everything is displayed correctly.

Installation

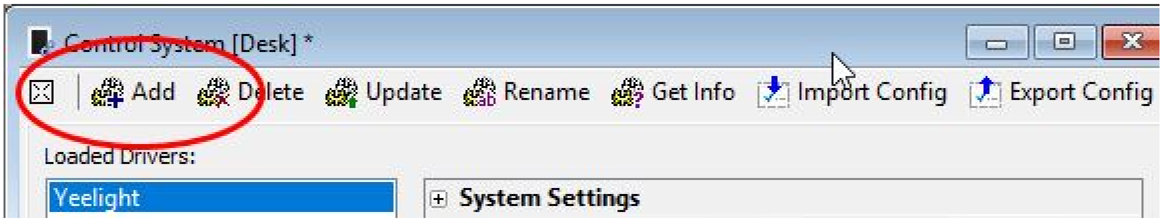
The zip file that included this documentation has the rtidriver file you will need to add. The first step is to download and extract the driver from the zip file. It doesn't matter where you store the file but we advise keeping them together.

The default location is Documents\Integration Designer\Control Drivers

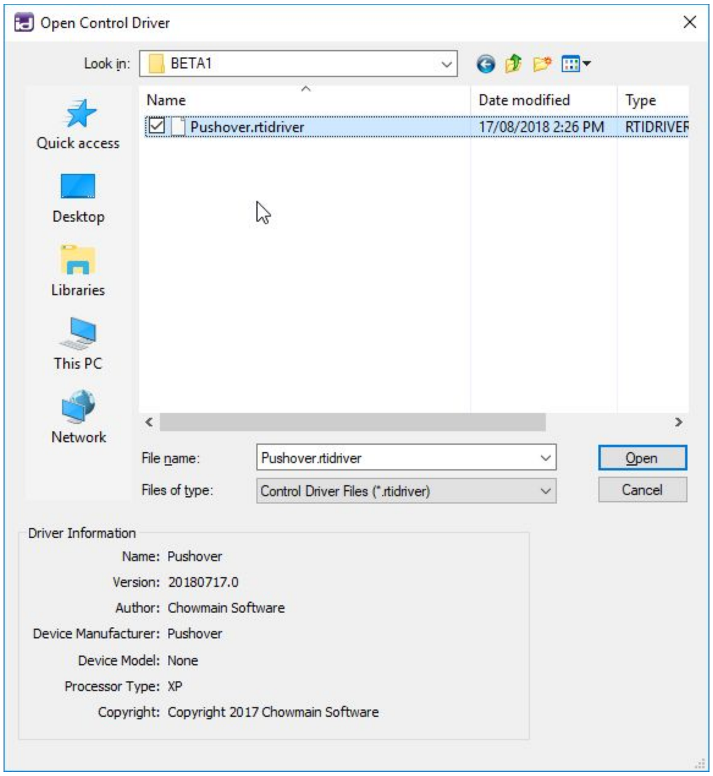
Select your processor from the System Workplace sidebar and select the Drivers tab at the bottom of the window (If you are using a KX3 in control mode then you might need to select 'Switch UI / Control Processor Mode' from the Device menu).

Add the driver

Click the Add button at the top of the driver window. The driver is now ready to configure or use.



Find the rtidriver file that you extracted from the zip file above. Click on Open when you have found the correct file.


Open Control Driver

Look in: BETA1

Name	Date modified	Type
☑ Pushover.rtidriver	17/08/2018 2:26 PM	RTIDRIVER

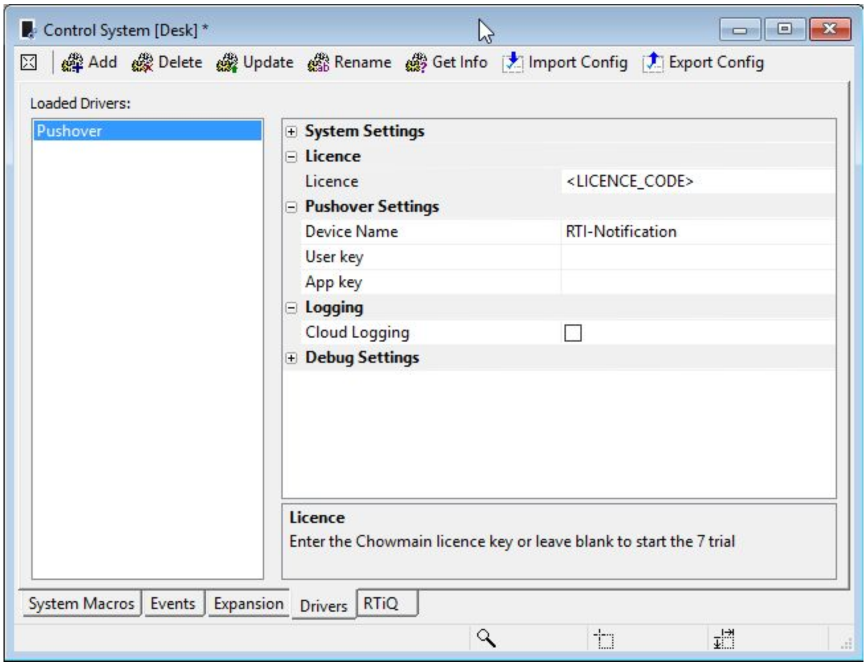
File name: Pushover.rtidriver

Files of type: Control Driver Files (*.rtidriver)

Driver Information

Name: Pushover
Version: 20180717.0
Author: Chowmain Software
Device Manufacturer: Pushover
Device Model: None
Processor Type: XP
Copyright: Copyright 2017 Chowmain Software

The driver is now ready to use.


Control System [Desk] *

Loaded Drivers:
Pushover

⊞ System Settings
⊟ Licence
Licence: <LICENCE_CODE>
⊟ Pushover Settings
Device Name: RTI-Notification
User key:
App key:
⊟ Logging
Cloud Logging: □
⊞ Debug Settings

Licence
Enter the Chowmain licence key or leave blank to start the 7 trial

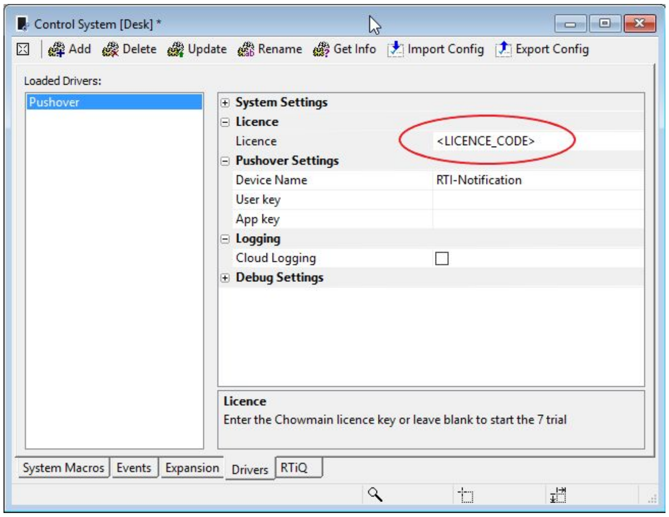
Driver Configuration

Add licence to driver

The driver will work without a licence for 7 days, automatically entering the trial phase if you don't enter a licence key. To keep using the driver after the trial has expired you will need to purchase a licence key.

Once you have your key it should be entered in to the Licence field of the config settings for the driver.

Enter the licence into the field shown to the right.



Loaded Drivers:

Pushover

⊞ **System Settings**	
⊟ **Licence**	
Licence	<LICENCE_CODE>
⊟ **Pushover Settings**	
Device Name	RTI-Notification
User key	
App key	
⊟ **Logging**	
Cloud Logging	□
⊞ **Debug Settings**	

Licence

Enter the Chowmain licence key or leave blank to start the 7 trial

Driver configuration

The Pushover module has three configuration options you can set (other than the licence mentioned above). Each option will be detailed below

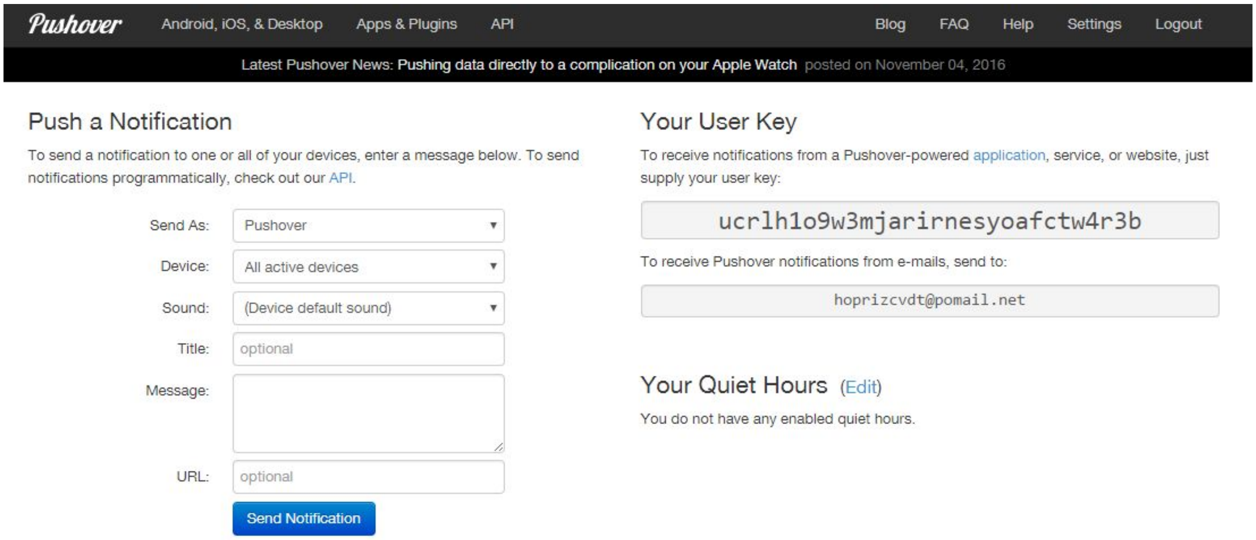
Device Name

The device name refers to the system the pushover app is running on. You can leave it as the default (RTI-Notification) or change it to a different name of your choosing. This name you give your device is only important once you have multiple processors all using the same account (a home and holiday house, for example). In this case you need to make sure that both locations have a unique name. The names will appear on the URC dashboard and it is possible to send messages to a specific device so its best to choose a name that is linked to its location.

User Key

The User Key parameter is only required if you want to send notifications. If you are not planning on sending notifications you can leave it blank. If you do want to send notification you will need both the user key and an application key (detailed below).

The user key is available immediately upon logging in to the pushover website - http://pushover.net in the section labelled Your User Key (top right)



Latest Pushover News: Pushing data directly to a complication on your Apple Watch posted on November 04, 2016

Push a Notification

To send a notification to one or all of your devices, enter a message below. To send notifications programmatically, check out our API.

Send As: Pushover
Device: All active devices
Sound: (Device default sound)
Title: optional
Message:
URL: optional

Your User Key

To receive notifications from a Pushover-powered application, service, or website, just supply your user key:

ucrlh1o9w3mjarirnesyoafctw4r3b

To receive Pushover notifications from e-mails, send to:

hoprizcvdt@pomail.net

Your Quiet Hours (Edit)

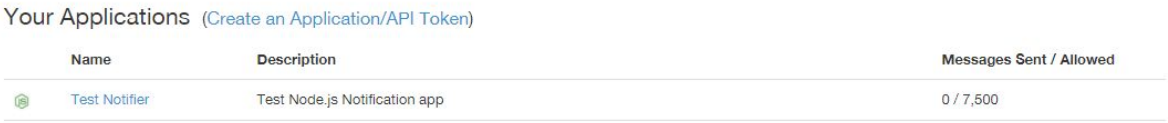
You do not have any enabled quiet hours.

Copy this key in to the User Key field in the configuration settings.

Application Key

The User Key parameter is only required if you want to send notifications. If you are not planning on sending notifications you can leave it blank. If you do want to send notification you will need both the user key and an application key (detailed above).

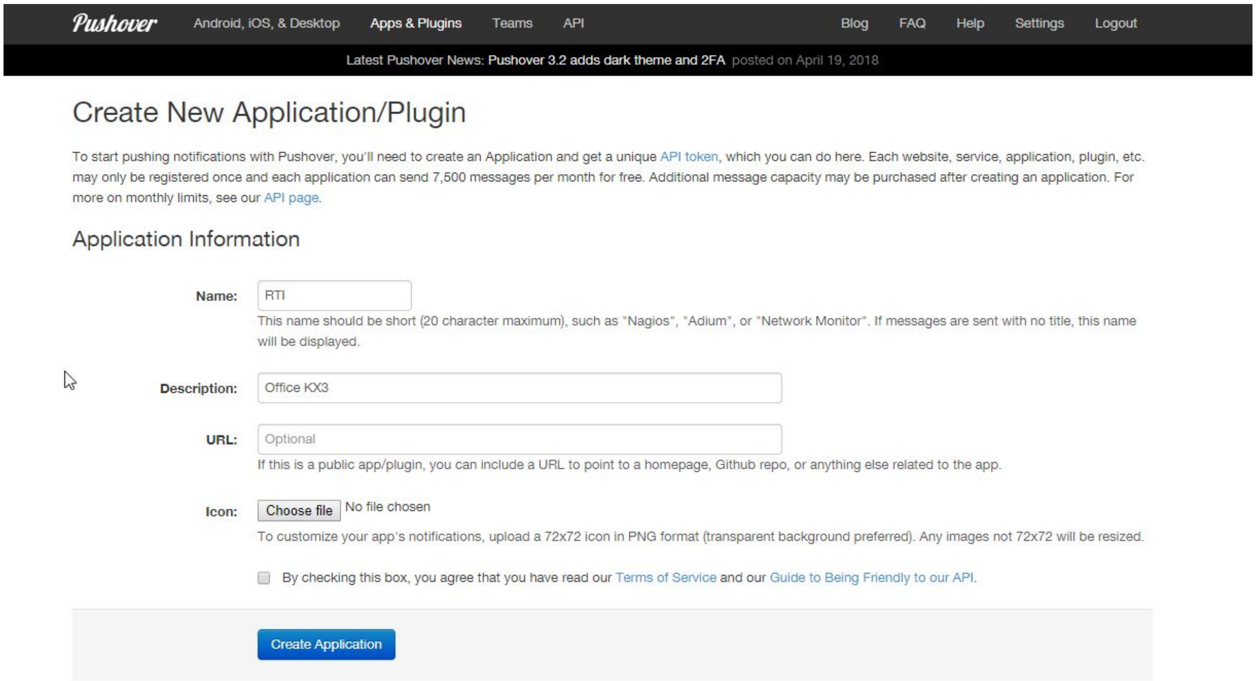
The application key is associated with an application that you create, so that is the first step. To create an application you first need to scroll down to the Create New Application section on the pushover website.



Your Applications (Create an Application/API Token)

	Name	Description	Messages Sent / Allowed
	Test Notifier	Test Node.js Notification app	0 / 7,500

Click on the Create an Application/API Token button and on the next page create a new Application.



Latest Pushover News: Pushover 3.2 adds dark theme and 2FA posted on April 19, 2018

Create New Application/Plugin

To start pushing notifications with Pushover, you'll need to create an Application and get a unique API token, which you can do here. Each website, service, application, plugin, etc. may only be registered once and each application can send 7,500 messages per month for free. Additional message capacity may be purchased after creating an application. For more on monthly limits, see our API page.

Application Information

Name: RTI

This name should be short (20 character maximum), such as "Nagios", "Adium", or "Network Monitor". If messages are sent with no title, this name will be displayed.

Description: Office KX3

URL: Optional

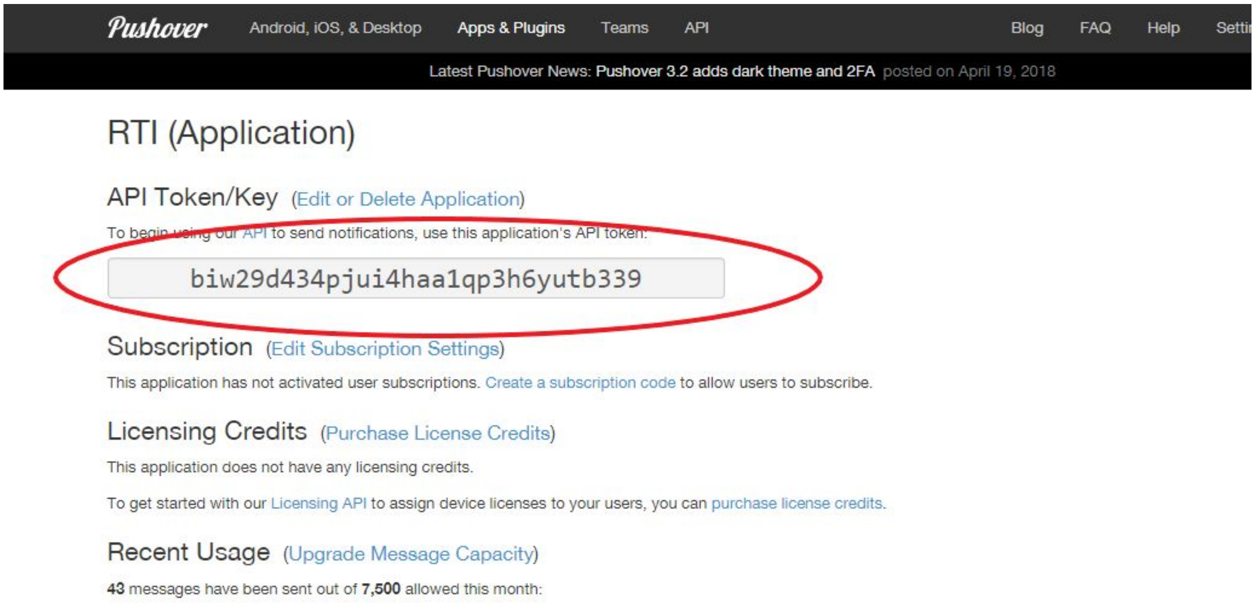
If this is a public app/plugin, you can include a URL to point to a homepage, Github repo, or anything else related to the app.

Icon: No file chosen

To customize your app's notifications, upload a 72x72 icon in PNG format (transparent background preferred). Any images not 72x72 will be resized.

□ By checking this box, you agree that you have read our Terms of Service and our Guide to Being Friendly to our API.

You will be presented with the application screen (you can also get to this screen by click on the name in the Your Applications section of the main page). The Application key (or API Token / Key) needs to be copied into the application key field in the driver config.



Latest Pushover News: Pushover 3.2 adds dark theme and 2FA posted on April 19, 2018

RTI (Application)

API Token/Key (Edit or Delete Application)

To begin using our API to send notifications, use this application's API token:

```
biw29d434pjui4haa1qp3h6yutb339
```

Subscription (Edit Subscription Settings)

This application has not activated user subscriptions. Create a subscription code to allow users to subscribe.

Licensing Credits (Purchase License Credits)

This application does not have any licensing credits.

To get started with our Licensing API to assign device licenses to your users, you can purchase license credits.

Recent Usage (Upgrade Message Capacity)

43 messages have been sent out of **7,500** allowed this month:

Driver Variables

Message

All the message variables will show only the last message received. Once a new message arrives it will replace whatever was previously stored in these variables with the new data.

Title [string]

This variable holds the Title of the incoming message.

Message [string]

This variable holds the message itself. The message can be quite long so make sure you leave enough space to display the message in your GUI layout.

Sound [string]

This variable holds the code for the sound the is associated with the message. The built in sounds use a two letter code but custom sounds may use complete words.

URL [string]

This variable holds the URL attached to the incoming message, if there is one.

Date/Time [string]

This variable holds the Date and Time that the message was processed by pushover, **not** the time the RTI processor received it.

Driver Details

Licence Valid [boolean]

This variable will be true if the licence validation was successful and false otherwise.

Licence Info [string]

The Licence Info variable provides messages from the licencing server that can be used to debug licencing issues.

Connection Status [boolean]

The connection status variable will be true when the driver is connected to the pushover service. The driver tries to maintain a constant connection (so it immediately triggers on new messages) so if this value is false that could indicate a problem.

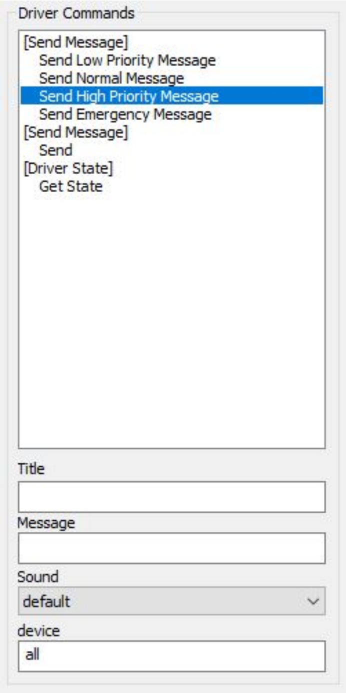
Driver Commands

Send Message

There are four send commands that all work identically, with the exception of the priority of the message that they send. Below is the description of how to use any of the commands.

Send Message Commands

The Send commands are used to send a notification. The command can take four settings, the message title, the message itself, the sound to play on the receiving device and the device (or devices if you select all) to send the notification to. Messages are limited to a maximum length of 1024 bytes.



Title

Message

Sound
default

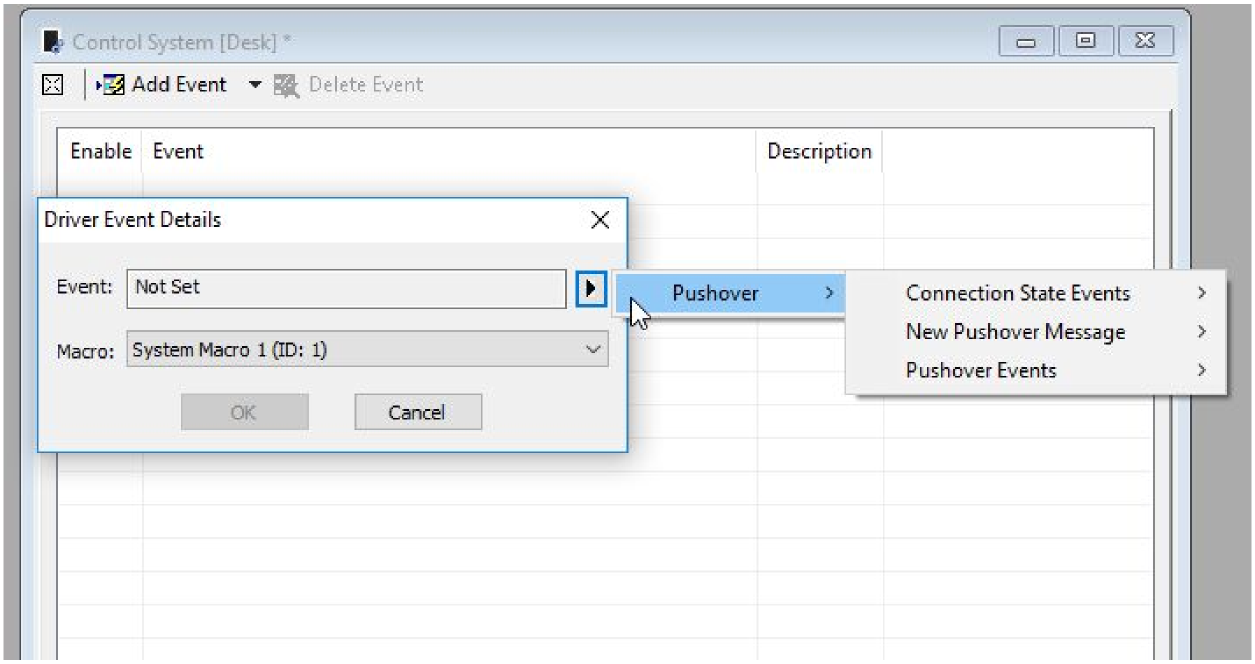
device
all

Driver State

Get State

This command will print the current driver state to the logs. It is only used for debugging purposes.

Events



Event: Not Set

Macro: System Macro 1 (ID: 1)

The module offers three types of events, Connection State, New Message and Automation Events.

Connection State Event

The connection state events can be used to keep track the persistent connection to the pushover service. Once the module establishes this connection it needs to stay connected to make sure it can immediately respond to new messages. Keeping track of the connection state can be useful for debugging purposes.

New Pushover Message

The New Pushover Message event will trigger every time a new pushover message arrives that is not an Automation event (see Pushover Events below). This signal can be used to change the page on a touchscreen to your pushover message page and display the new message.

Pushover Events

There are 50 pre-defined pushover events labelled event1 to event 50. These will trigger when the appropriate message arrives. See the Automation section below for details.

Automation

The is useful for sending events from your RTI system out to your devices and computers but it is even more useful when it is sent a message from an external service. The section below details how these external triggers arrive and some useful applications. There are a variety of ways to send pushover notifications by the two most common (and easiest to setup) are email and using the IFTTT (If This Then That) service so they are the ones we have detailed below.

Incoming Events

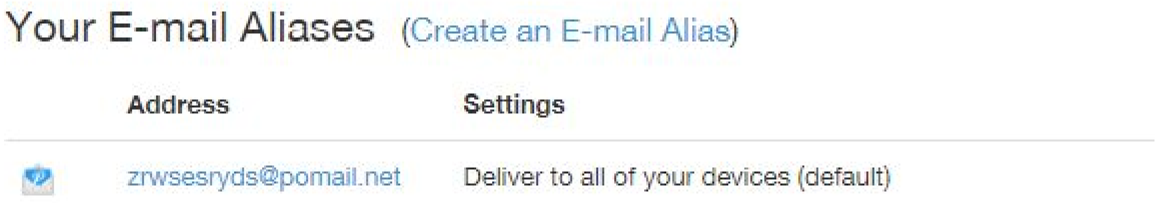
Incoming events are triggered by sending a specifically formatted message from the Pushover service. There are 50 built in events in this version labelled Event1 to Event50.

Message Format

The messages you send to RTI must have no title and have a message body which only contains the text event***n*** where n is a number between 1 and 50. So to send a message that will trigger event 5 you would send a message with no title and the message text would be event5 (the sound and URL as ignored). If you wanted to trigger event 35 then the text for the message would be event35 (the case is not important).

Sending an event via email

On the main pushover page you will find a section labelled Your E-mail Aliases. Sending a message to this email address will trigger an pushover notification. The Subject will become the Title and the email body will become the message.



Your E-mail Aliases (Create an E-mail Alias)

	Address	Settings
✉	zrwsesryds@pomail.net	Deliver to all of your devices (default)

To trigger an event simply enter the event name (event15 for example) in the message body and leave the subject blank. You can add as many aliases as you wish, each with different settings (you can create one that is just for RTI notifications for example).

Sending an event with IFTTT

The IFTTT (If This Then That) service is an extremely versatile system for connecting external services that don't otherwise have any integration and allowing them to interact. The pushover driver allows you to include RTI as one of those target systems.

This allows you to control your RTI system in a variety of ways that are otherwise difficult or not currently possible. Some examples are listed below

- Control RTI via your Apple Watch (using workflow)
- Your EVE enabled Tesla can tell RTI is has arrived home, or is leaving.
- Your Automatic, Zubie or Dash enabled car can tell RTI when you have turned the car on or off in a certain area.
- Your GE, LG or Samsung smart appliances can signal when they done cooking, when there is a leak in the dishwasher or if a filter needs cleaning.
- Control RTI with an SMS or phone call to IFTTT
- Your Nest Protect smoke alarm can send a message to RTI if there are smoke or carbon monoxide warnings or emergencies.
- You can change the colour of your RGB lights using the EPSN IFTTT channel when the game starts.
- Send a message to RTI when something has been picked up or moved (with a wireless tage system)
- Pause your music or video when someone rings your phone (android only)
- Turn on the outside light when your Dominoes pizza is about to be delivered.
- Use the force to control RTI with your Star Wars Force Band!
- So many more…

To set up IFTTT to send messages to IFTTT, you first need to set up the “This” part with a trigger likes the types listed above. In the “That” section you want to Send a Pushover notification. In the notification clear out the title and leave it blank and change the message to contain the event you wish to trigger (event 43 for example). All of the other settings are ignored so at that stage you just just hit create action and, if everything looks right, click on finish.