

ADVANTECH



IO Control





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Used symbols

 *Danger* – Information regarding user safety or potential damage to the router.

 *Attention* – Problems that can arise in specific situations.

 *Information* – Useful tips or information of special interest.

 *Example* – Example of function, command or script.

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1. Changelog

1.1 IO Control Changelog

v1.0.0 (2014-09-25)

- First release.

v1.1.0 (2017-03-17)

- Recompiled with new SDK.

v1.2.0 (2020-10-01)

- Updated CSS and HTML code to match firmware 6.2.0+.

v1.2.1 (2021-07-21)

- Added dynamic support for BIN0, BIN1, OUT0, OUT1 whenever available.

v1.3.0 (2022-10-13)

- Added new option - send SMS (according to BINx inputs state).

v1.4.0 (2022-11-03)

- Reworked license information.

v1.4.1 (2023-06-09)

- Recompiled with new SDK.

v1.4.2 (2023-08-03)

- Recompiled with new SDK.

2. Description of the module



Router app *IO Control* is not contained in the standard router firmware. Uploading of this router app is described in the Configuration manual (see Chapter [Related Documents](#)).

IO Control is a router app designed for controlling binary inputs and outputs on Advantech routers.

3. Installation

Like every other Router App, the IO Control is installed in *Router Apps* section in the router configuration page. Once the installation of the module is complete, the module is listed among other installed modules. It contains status and configuration sections described below.

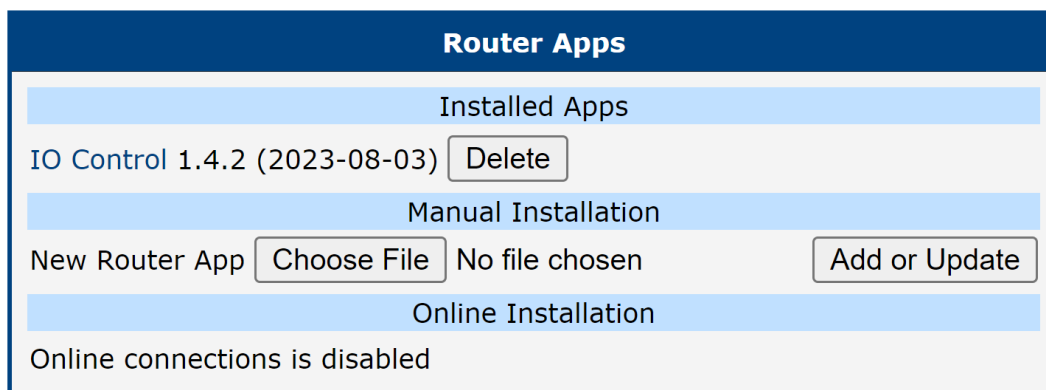


Figure 1: Router Apps

4. How to Use

4.1 Status

Status Overview section showcases availability of Internal Input & Output. Input is turned On by default and cannot be changed, where Output is turned Off by default and can be turned On.

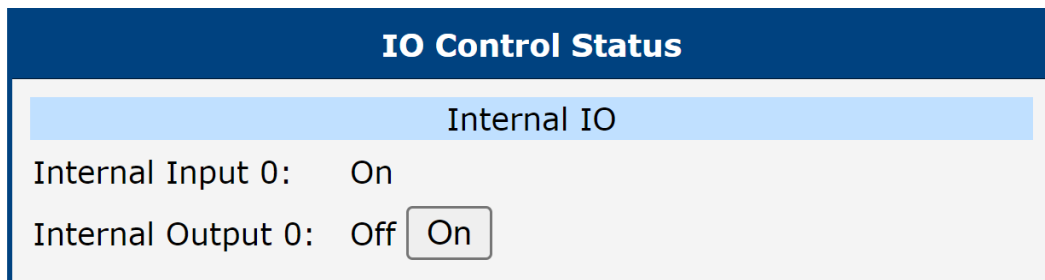


Figure 1: Status Overview

Status System Log contains record of system messages of the device.

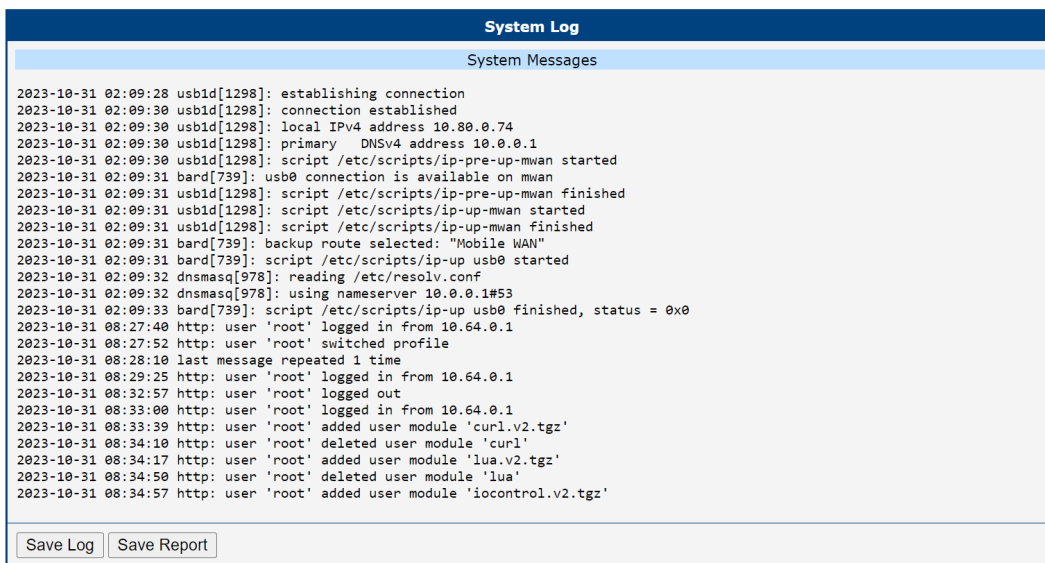


Figure 2: System Log

4.2 Configuration

In this section you can find information about Configuration of IO Control.

IO Control Configuration

Enable IO Control

First Phone Number

Second Phone Number

BIN0 High State SMS

BIN0 Low State SMS

Figure 3: Configuration

Item	Description
Enable IO Control	Enable IO Control configuration.
First Phone Number	Enter first phone number that will be allowed to communicate with BIN0.
Second Phone Number	Enter second phone number that will be allowed to communicate with BIN0.
BIN0 High State SMS	Enter text value which will turn on BIN0 via SMS message.
BIN0 Low State SMS	Enter text value which will turn off BIN0 via SMS message.

Table 1: Description of Configuration Items

5. Related Documents

[1] IO Control Manual Pages: https://sming.readthedocs.io/en/latest/_inc/Sming/Libraries/IOControl/index.html#

You can obtain product-related documents on *Engineering Portal* at icr.advantech.cz address.

To get your router's *Quick Start Guide*, *User Manual*, *Configuration Manual*, or *Firmware* go to the [Router Models](#) page, find the required model, and switch to the *Manuals* or *Firmware* tab, respectively.

The *Router Apps* installation packages and manuals are available on the [Router Apps](#) page.

For the *Development Documents*, go to the [DevZone](#) page.