

# ADVANTECH



## USR LED Management



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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.

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# 1. Introduction



The Router App *USR LED Management* is not included in the standard router firmware. Uploading this router app is described in the Configuration manual.

*USR LED Management* Router app allows you to choose how the USR LED diode embedded on the router will react. The figure below shows the USR LED located on the ICR-2800 router.

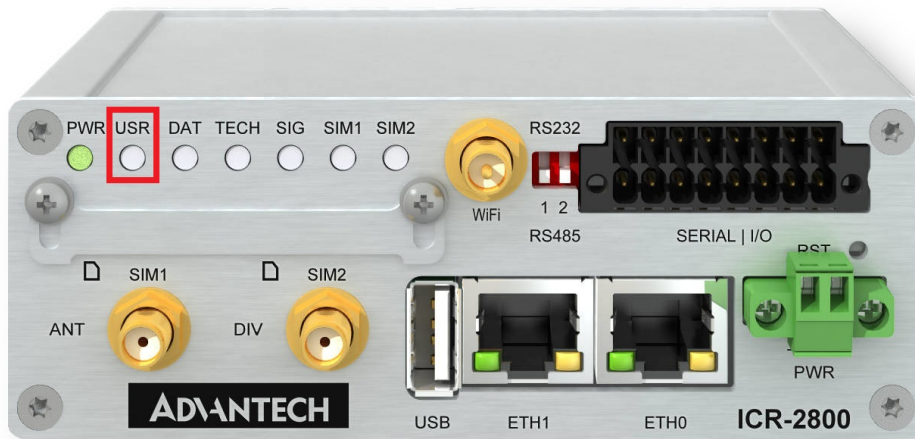


Figure 1: USR LED on the ICR-2800 Router

Once the installation of the module is complete, the module's GUI can be invoked by clicking the module name on the *Router Apps* page of the router's web interface.

The left part of this GUI contains the *Return* item, which navigates back from the module's web page to the router's web configuration pages.

## 2. Configuration

USR LED Management Router App settings can be configured directly in the main form of the module web interface, refer to the image below (Figure 2).

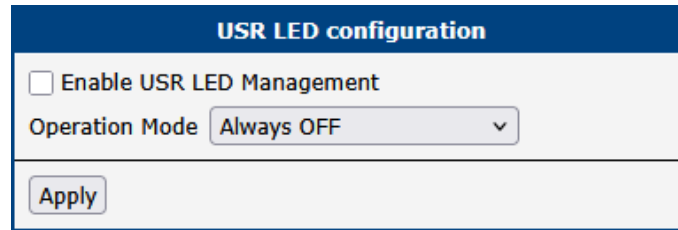


Figure 2: Router App Configuration GUI

The table below lists all available configuration options for this Router App.

- The character *x*, shown in the table below, represents the port or input number. The specific number available depends on the device model.
- Similarly, some items from this menu may not be available on all router models.
- The USR LED signaling is indicative only; its timing may not correspond exactly to the moment an activity starts or finishes.

Item	Description
Enable USR LED Management	Tick this checkbox to enable the LED management for the <i>Operation Mode</i> set up below.
Operation mode	<ul style="list-style-type: none"> <li>• Always OFF – The LED is permanently off.</li> <li>• Always ON – The LED permanently lights. It is useful when trying to find a physical router among many other routers.</li> <li>• Binary IN <i>x</i> – The LED lights when the binary input <i>x</i> is in 1 (on) state. State is updated each 100 ms.</li> <li>• Binary OUT <i>x</i> – The LED lights when the binary output <i>x</i> is in 1 (on) state. State is updated each 100 ms.</li> <li>• Portx Rx activity – The LED lights when a serial on the expansion port <i>x</i> is receiving data.</li> <li>• Portx Tx activity – The LED lights when a serial on the expansion port <i>x</i> is transmitting data.</li> <li>• Portx Rx and Tx activity – The LED lights when a serial on the expansion port <i>x</i> is receiving and/or transmitting data.</li> </ul>

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Item	Description
Operation mode	<ul style="list-style-type: none"><li>• WiFi AP activity – The LED lights when a client is connected to the router's WiFi AP and flashes when communicating.</li><li>• WiFi STA activity – The LED lights when the router is connected to a WiFi AP and flashes when communicating.</li><li>• OpenVPN active – The LED lights when the OpenVPN tunnel is established and has received some data.</li><li>• IPsec active – The LED lights when the IPsec tunnel is established.</li><li>• WebAccess/DMP active – The LED lights when the router is connected to a WebAccess/DMP server.</li><li>• WebAccess/VPN active – The LED lights when the router is connected to a WebAccess/VPN server.</li></ul>

Table 1: Configuration Page Options

## 3. Related Documents

You can obtain product-related documents on *Engineering Portal* at [icr.advantech.com](http://icr.advantech.com) 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 [Development](#) page.