

RUT301 UPNP

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The information in this page is updated in accordance with firmware version [RUT301_R_00.07.07.2](#).



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Summary

UPnP (Universal Plug and Play) is a service that allows clients in the local network to automatically configure some devices and services.

This chapter of the user manual provides an overview of the UPnP page in RUT301 devices.

Note: UPNP is additional software that can be installed from the **System** → [Package Manager](#) page.

If you're having trouble finding this page or some of the parameters described here on your device's WebUI, you should **turn on "Advanced WebUI" mode**. You can do that by clicking the "Advanced" button, located at the top of the WebUI.



Active UPnP Redirects

The **Active UPnP Redirects** sections allows you to manage currently active UPnP redirects.



MiniUPnP Settings

General Settings



Field	Value	Description
Enable	off on; default: off	Turns UPnP on or off.
Use secure mode	off on; default: on	Turns secure mode on or off.
Enable additional logging	off on; default: off	Puts extra debugging information into the system log when enabled.
Downlink	integer; default: 1024	Bandwidth available for traffic coming in from the external interface in kilobytes per second. Note that this only information given to clients, it doesn't control the speed.
Uplink	integer; default: 512	Bandwidth available for traffic out the external interface in kilobytes per second. Note that this only information given to clients, it doesn't control the speed.
Port	integer [1..65535]; default: 5000	Port to listen for incoming requests.

Advanced Settings



Field	Value	Description
Report system instead of daemon uptime	off on; default: on	If enabled, system service uptime is reported.
Device UUID	string; default: unique	The Device UUID attribute specifies and uniquely identifies a device that supports Universal Plug and Play (UPnP).
Announced serial number	string; default: none	Specifies serial number for XML Root Desc.
Announced model number	string; default: none	Specifies model number for XML Root Desc.
Notify interval	integer; default: none	Interval in which UPnP capable devices send a message to announce their services.
Clean ruler threshold	integer; default: none	Minimum number of redirections before clearing rules table of old (active) redirections.
Clean ruler interval	integer; default: none	Number of seconds before cleaning redirections.
Presentation URL	string; default: none	Presentation url used for the Root Desc.

UPnP lease file	string; default: /var/run/miniupnpd.leases	Stores active UPnP redirects in a lease file (specified), like DHCP leases.
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MiniUPnP ACLs

ACLs specify which external ports may be redirected to which internal addresses and ports.

There are two preconfigured rules, one to allow high ports, and another to deny the rest. Highest priority is at the top of a list and goes down. To add another specific rule, click the 'Add' button.



Field	Value	Description
Comment	string; default: none	Adds a comment to this rule.
External ports	integer [0..65535] range of integers [0-65535]; default: none	External port(s) which may be redirected. May be specified as a single port or a range of ports. To specify a range use a dash '-' symbol between two integer numbers.
Internal Addresses	ip/integer [0..32]; default: none	Internal address to be redirect to.
Internal ports	integer [0..65535] range of integers [0-65535]; default: none	Internal port(s) to be redirect to May be specified as a single port or a range of ports. To specify a range use a dash '-' symbol between two integer numbers.
Action	allow deny; default: allow	Allows or forbids the UPnP service to open the specified port.