

# Administration Guide

**Sputnik Aria Billing Module™**  
**Version 1.0**



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**Administration Guide**  
**Sputnik Aria Billing Module**

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## Installation

The Sputnik Aria Billing Module is installed from the command line of your Sputnik Control Center server (and requires that you have root or sudo administrative privileges). Before the installation will succeed, you must first purchase the Sputnik Aria Billing Module from Sputnik's on-line store. That purchase will provision your entitlement to use it, such that the installer will allow download and installation of the module on your server. At the command-line of your SCC server, type the following commands:

```
[root@server]# cd /root
[root@server]# ./scc_install.pl --yum install Sputnik-CC-Aria
[root@server]# /sbin/service httpd restart
```

## Module Name

The screenshot shows the Sputnik Control Center interface for 'Foobar Incorporated'. The top navigation bar includes the Sputnik logo, version 'v0.2004.343.71', and links for 'Status Overview' and 'Report A Bug'. A left sidebar contains a 'CONFIG' menu with options like Routers, Captive Portals, Authentication, and Reports. The main content area is titled 'Authentication System: Aria One' and features a breadcrumb trail: 'Module Name > Group Policies > Edit Settings > Users'. The configuration form includes a dropdown menu for 'Select a module:' set to 'Aria Module', a text field for 'Name or description:' containing 'Aria One', and another text field for 'Visible Name:' also containing 'Aria One'. Explanatory text for each field is provided to the right. At the bottom of the form are 'Save Changes' and 'Delete' buttons.

The module name can be whatever you like. Typically, there would only be one Aria module setup per Sputnik Control Center site.

The first text field is the name used within the admin interface. The second text field should be set so that end-users (subscribers) will clearly understand that they are logging into a billed-use system.


# Group Policies

The screenshot shows the Sputnik Control Center interface for 'Foobar Incorporated'. The top navigation bar includes the Sputnik logo, version 'v0.2004.343.71', and a 'Sign Out' button. The main header displays 'Foobar Incorporated' and 'Status Overview', with a 'Report A Bug' link. A left sidebar contains a 'CONFIG' menu with items like Routers, Captive Portals, Authentication, Aria, Devices, Guests, Prepaid, RADIUS, Users, Network Policies, and Control Center, along with a 'REPORTS' section for Bandwidth, Client Sessions, and Router Activity. The main content area is titled 'Authentication System: Aria One' and features a breadcrumb trail: 'Module Name > Group Policies > Edit Settings > Users'. Below this, it states 'Groups currently defined:' and shows a table with one entry: 'all' with description 'All Clients' and a link to '[Edit] Network Policies'.

Group Identifier	Description	Network Policies
all	All Clients	[Edit]

Like most authentication systems, the Sputnik Aria Billing Module allows you to optionally create user groups within that system and apply different network policies to the various groups. All subscribers of the module are members of the "All" group.

## Edit Settings



**SPUTNIK**  
CONTROL CENTER  
v0.2004.343.65

**FooBar Incorporated** [Sign Out](#)

Status Overview [Report A Bug](#)

**CONFIG**

- Routers
- Captive Portals
- Authentication
  - Aria
  - Devices
  - Guests
  - Prepaid
  - RADIUS
  - Users
- Network Policies
- Control Center

**REPORTS**

- Bandwidth
- Client Sessions
- Router Activity

### Authentication System: Aria One

[Module Name](#) [Group Policies](#) **[Edit Settings](#)** [Users](#)

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Aria portal Customer ID string

Aria portal URL

Aria Link Text - this text will be displayed as the link for the Aria portal URL

Aria Link Prompt - this html will be displayed above the Aria portal link

Aria shared secret

This page must be properly configured before you can accept credit card or bank account payments via this module. Fields 1, 2, and 5 will be given to you by Aria Systems when you setup a billing services account with them. Fields 3 and 4 are available for you to customize. They form the prompt and link text listed below that login form that informs subscribers where to go to sign up for a new account (or recharge an existing account).

## Users

The screenshot shows a web interface for 'Sputnik Control Center' at 'Foobar Incorporated'. The top navigation bar is red and contains the company name, version 'v0.2004.343.71', a 'Sign Out' button, and a 'Report A Bug' link. A left sidebar menu lists various configuration and report categories. The main content area is titled 'Authentication System: Aria One' and features a sub-menu with 'Module Name', 'Group Policies', 'Edit Settings', and 'Users'. Below this, there is a 'Display Users' section with a text input field for filtering by leading username and an 'Execute' button.

**SPUTNIK**  
CONTROL CENTER  
v0.2004.343.71

**Foobar Incorporated** [Sign Out](#)

Status Overview [Report A Bug](#)

**CONFIG**

- Routers
- Captive Portals
- Authentication
  - Aria
  - Devices
  - Guests
  - Prepaid
- RADIUS
- Users
- Network Policies
- Control Center

**REPORTS**

- Bandwidth
- Client Sessions
- Router Activity

**Authentication System: Aria One**

[Module Name](#) [Group Policies](#) [Edit Settings](#) **[Users](#)**

**Display Users**

Filter on leading username:

This page allows you to browse the list of users who have registered with your Aria Systems billing services account. To browse all users, type “%” into the text field and click the “Execute” button. To narrow your search, use the % as a wild card, and type in some portion of the username, for example: “joe%” will list all usernames that begin with joe.

## Terms and Usage

Authentication System	A named instance of an authentication module, used to manage, authenticate and group clients of a Sputnik network.
Captive Portal	A captive portal is a page set up for users to see in their browser when they first connect via wireless. This page can allow them to login or pass them through anonymously, depending on your portal settings.
Client	A client is any user or device that can connect to your network.
Policy, Network Policy	Policies define the IP addresses, ranges, or URLs a client can or cannot visit, and are defined as either allow/accept or deny/reject.
Router	A router runs the Sputnik Agent. The Agent enforces a redirect to the Sputnik Control Center for client authentication. The Agent applies network policies specifically authorized for that client.
Session	A session is a record of a client's bandwidth activity while connected. Sessions begin with authentication and end with client logout or inactivity expiration.
Walled Garden	A walled garden is a group of network policies that are applied prior to client authentication. For example, in addition to viewing your captive portal, you will need to provide a link to Aria's billing service Website. The user could browse that site to register or modify their account, but would not be able to browse elsewhere without first authenticating.

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