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# Tech Note 7 How to use the System Configuration Manager



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## ***Abstract:***

The System Configuration Manager feature allows a user quick and easy setup of Red Lion Controls' Sixnet Series wired and wireless devices. After successfully configuring a device the user is able to export the configuration to the local computer, connect to a new device, load, and apply the configuration.

## ***Product:***

Any Red Lion Sixnet series SN 6000, RAM 6000, and RAM 9000

## ***Use Case/ Problem Solved***

In some cases users are required to apply the same configuration to multiple devices or may need to reset a device to factory default and re-apply the configuration. The user is able to speed this process up considerably by exporting and saving the config.xml file.

## **Required Software:**

Web Browser

## **Required Firmware:**

3.17/4.17+

**Procedure:**

1. Navigate to the IP of the SN device at port 10000

The screenshot shows the red lion web interface. At the top, there is a navigation menu with 'Status', 'Admin', 'Network', 'Services', 'Automation', and 'Advanced'. Below the menu is the 'System Information' section, which includes a table with the following data:

Device Model Number	RAM-6721
Device Serial Number	G02X2G1000070
Installed Firmware Version	SN version 4.20
Current System Uptime	0D 23H 23M 5S

Below this is the 'Physical Interface Status' section, which includes a table with the following data:

Interface Name	Connection State	IP Address	Link Status
eth0 (WAN)	Up	192.168.0.1	Down
eth1 (LAN)	Up	192.168.1.1	<a href="#">More Info</a>
usb	Up	192.168.111.1	Down

Below this is the 'Cellular Interface Status' section, which includes a table with the following data:

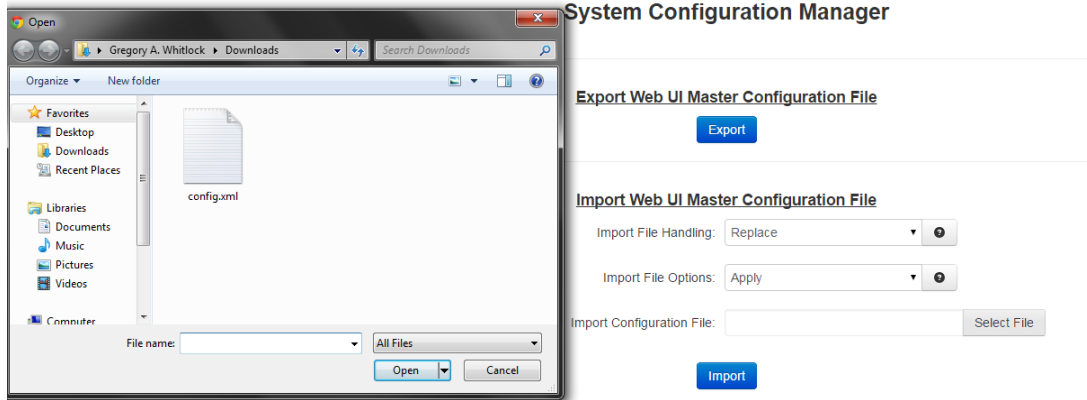
Interface Name	Activation Status	Connection	Uptime	IP Address	Signal Strength
wwan0	Reg Home	Enabled	0D 23H 21M 40S	166.149.166.97	LTE  -67

2. Navigate to **Admin** → **System Configuration**

The screenshot shows the red lion web interface with the 'Admin' menu open. The 'System Configuration Manager' option is highlighted. The main content area shows the 'System Configuration Manager' page with the following options:

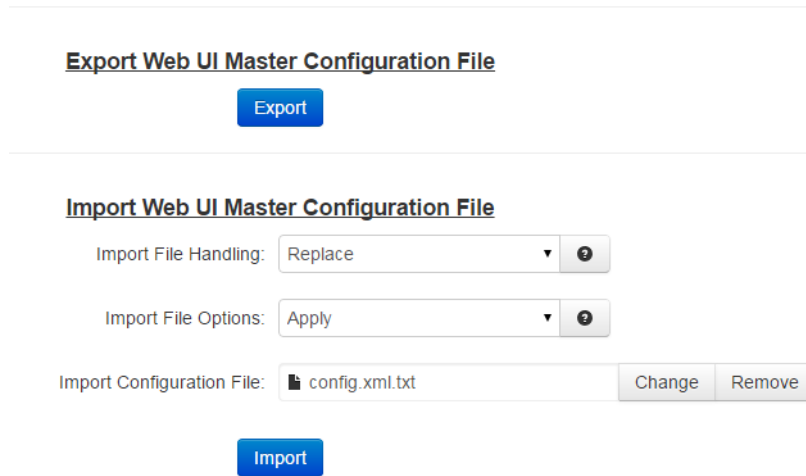
- Export Web UI Master Configuration File** (with an 'Export' button)
- Import Web UI Master Configuration File**
  - Import File Handling: Replace
  - Import File Options: Save Only
  - Import Configuration File:  (with a 'Select File' button)
  - (with an 'Import' button)

3. Click on **Choose File** to display an open file dialog box.
4. Select the configuration that you are applying.



5. Click on **Upload** and select the XML file you want to apply.

### System Configuration Manager



6. Click **Import**

# System Configuration Manager

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## Export Web UI Master Configuration File

Export

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## Import Web UI Master Configuration File

Import File Handling:  ▼ ⓘ

Import File Options:  ▼ ⓘ

Import Configuration File:  Select File

Import

7. The process will take approximately five (5) minutes. Once completed a screen, similar to the Import screen shown below, will display confirming the configuration upload process completed successfully.



## Import

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Processed 59 subsystems in template.
Import file contained 59 subsystems:
certmgr was not modified.
jobctrl was not modified.
dmp was not modified.
systemtime was not modified.
cellular was not modified.
provisioning was not modified.
dns was not modified.
ipv6 was not modified.
switchctl was not modified.
eth0 was not modified.
eth1 was not modified.
wifi was not modified.
usb0 was not modified.
pppoe was not modified.
staticroutes was not modified.
keepalive was not modified.
gretunnel was not modified.
ipiptunnel was not modified.
ipsectunnel *was* modified.
    Table 'ipsectunnels' record(s) changed
dhcpserver was not modified.
dhcprelay was not modified.
dyndns was not modified.
firewall *was* modified.
    Table 'trustedintfs' record(s) changed
    Table 'untrustedintfs' record(s) changed
    Table 'allowrules' record(s) changed
    Table 'redirrules' record(s) changed
    Table 'masqrules' record(s) changed
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For more information: <http://www.redlion.net/support/policies-statements/warranty-statement>

