

## Cassia E1000/X1000/C1000 Quick Start Guide

### Step One – Connect your laptop/PC to your Bluetooth router

- Check your Bluetooth router’s MAC address on the bottom of the router, as noted in Figure 1 below. Then power up your Cassia router.



Figure 1: Cassia router’s MAC address

- Your Cassia Bluetooth router comes with a WIFI hotspot. Its SSID is cassia-[last 6 digits of its MAC address]. For example, the router noted above (MAC address CC1BE0E0BA98), its WIFI SSID is cassia-E0BA98.
- Search for this WIFI SSID from your laptop and connect to it. The default password is the same as the SSID.

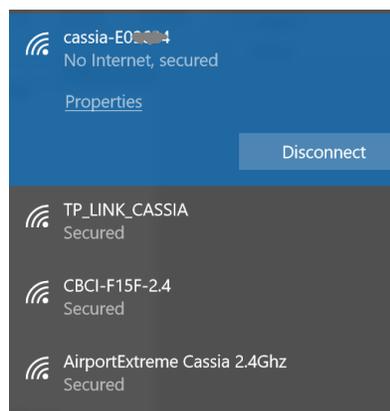


Figure 2: Laptop WIFI connection sample

### Step Two – Associate your Bluetooth router with the Cassia IoT Access Controller (AC)

- Open a web browser (Note: Cassia routers only support Google Chrome) on your laptop and enter the router’s default IP address 192.168.40.1. A popup window will display.

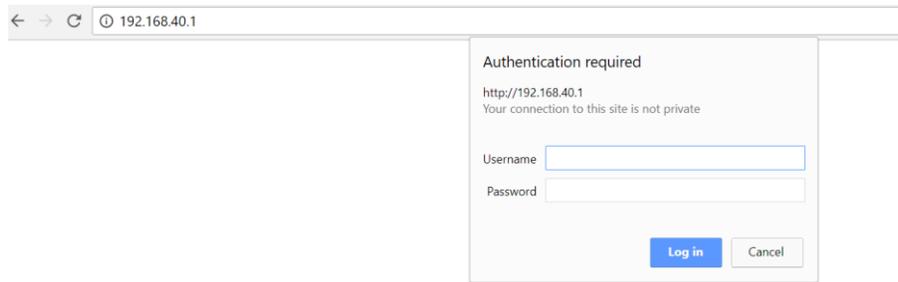


Figure 3: Cassia router's web login page

- Enter the default web username and password: admin/admin. The first time you login, the system will prompt you to change the default password. Please note down your new password for future use.
- Login to your router's web page again and navigate to the Common tab. Then, input the AC's address. See screenshot below.

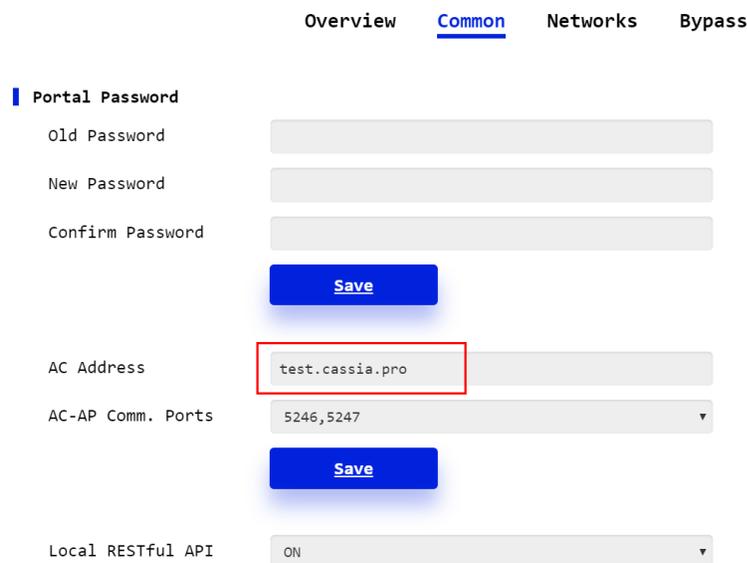


Figure 4: Cassia router's web config page

- By default, the router will use DHCP to obtain an IP address over the wired connection. If you don't have DHCP or wired connection available in your network, you can navigate to the Networks tab and setup a static IP or WIFI. See below.

Overview   Common   **Networks**   Bypass

**Wired**

IP Allocation: DHCP

**Save**

**Wireless (5Ghz WiFi is not supported.)**

Mode: client

SSID:

Password:

IP Allocation: Static

IP:

Netmask:

Gateway:

Figure 5 - Setup network configuration for your router

Tip: turn off the WIFI hotspot function once you finish the network configuration. This is to reduce excessive WIFI noise in the background.

### Step Three – Access the Cassia IoT Access Controller (AC)

- Switch your laptop to the normal WIFI SSID that you are using which will provide you Internet access. Enter the IP address or domain name of your AC into the address bar. For example, http://test.cassia.pro
- Input your Cassia AC user name and password, then click Login. See Figure 6 below.

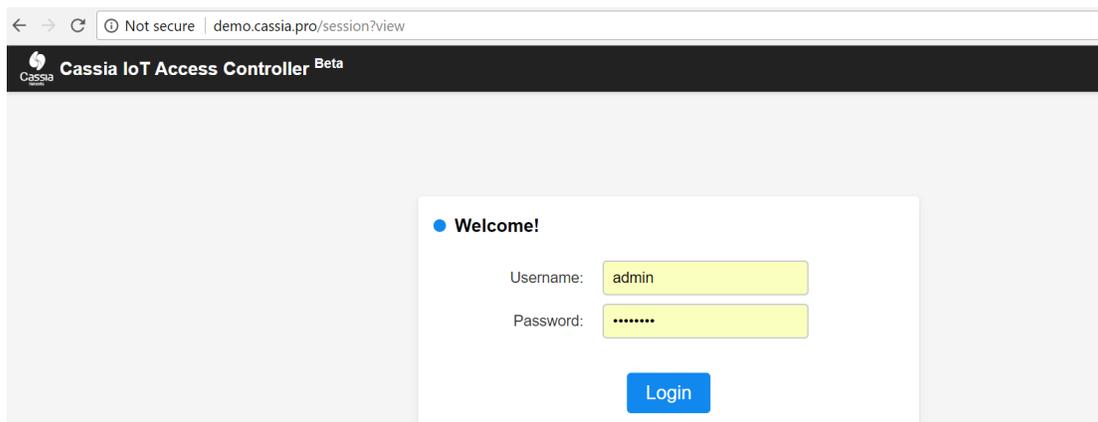
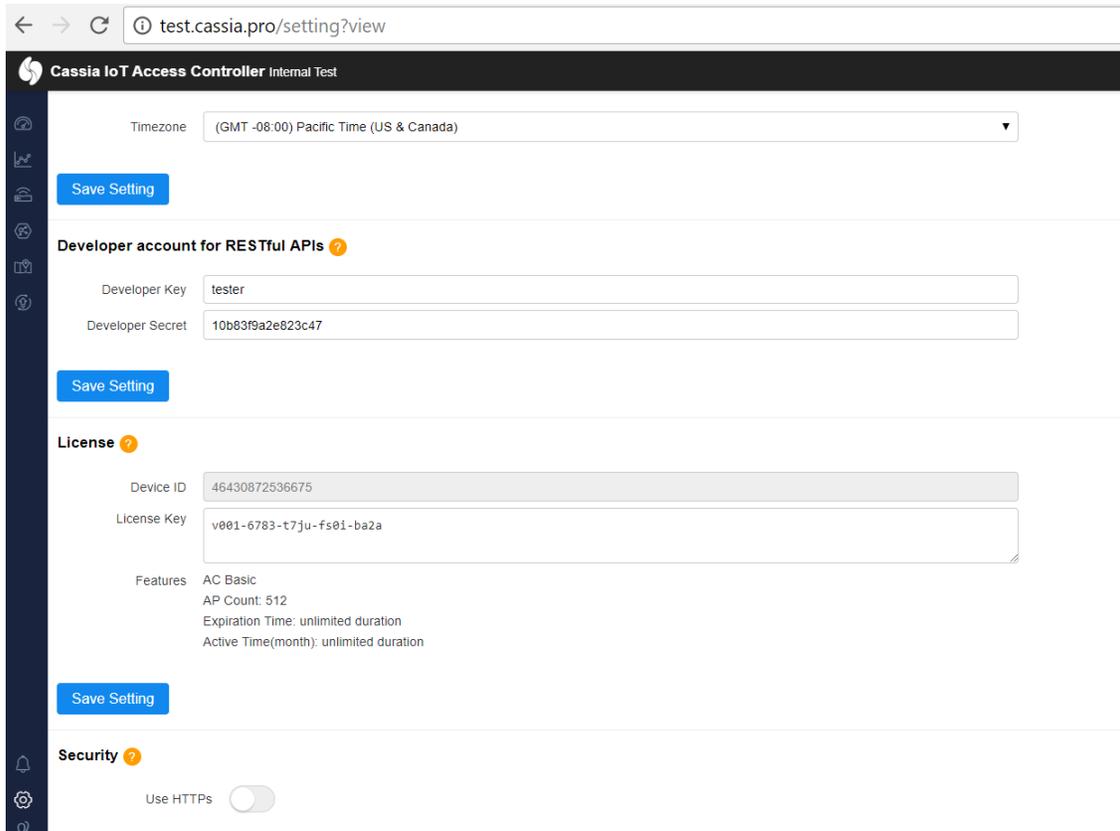


Figure 6 - Cassia AC login page

- Navigate to the settings page, input your Developer Key, Developer Secret, and License as indicated in Figure 7 below.



test.cassia.pro/setting?view

**Cassia IoT Access Controller** Internal Test

Timezone (GMT -08:00) Pacific Time (US & Canada)

Save Setting

**Developer account for RESTful APIs**

Developer Key: tester

Developer Secret: 10b83f9a2e823c47

Save Setting

**License**

Device ID: 46430872536675

License Key: v001-6783-t7ju-fs01-ba2a

Features: AC Basic  
AP Count: 512  
Expiration Time: unlimited duration  
Active Time(month): unlimited duration

Save Setting

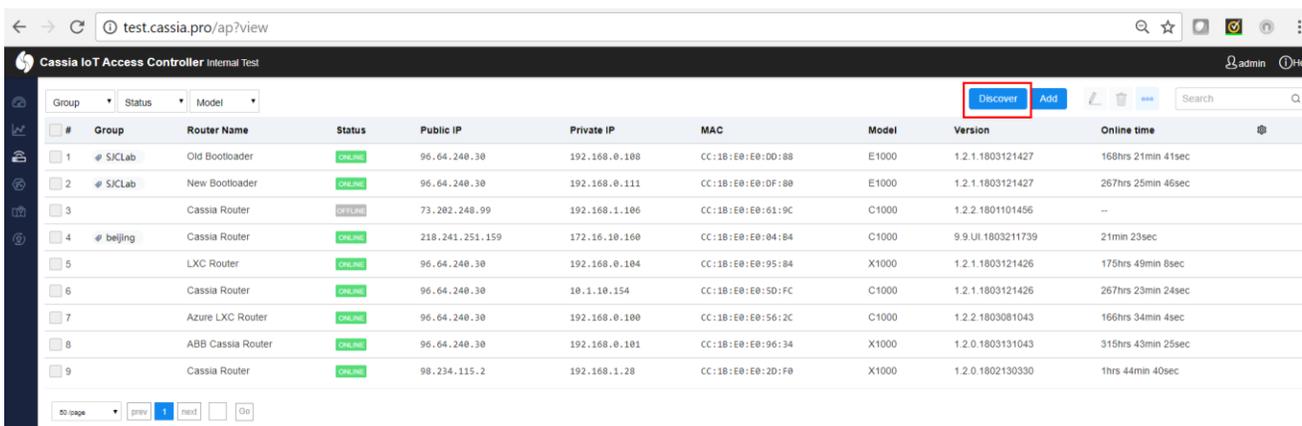
**Security**

Use HTTPs:

Figure 7: Input your developer key, secret, and license

#### Step Four – Add your Bluetooth router to the AC routers list

- Navigate to the Routers page, as shown in Figure 8 below.



test.cassia.pro/ap?view

**Cassia IoT Access Controller** Internal Test

Discover Add

#	Group	Router Name	Status	Public IP	Private IP	MAC	Model	Version	Online time
1	SJCLab	Old Bootloader	ONLINE	96.64.240.30	192.168.0.108	CC:18:E0:E0:DD:88	E1000	1.2.1.1803121427	160hrs 21min 41sec
2	SJCLab	New Bootloader	ONLINE	96.64.240.30	192.168.0.111	CC:18:E0:E0:DF:80	E1000	1.2.1.1803121427	267hrs 25min 46sec
3		Cassia Router	OFFLINE	73.202.240.99	192.168.1.106	CC:18:E0:E0:61:9C	C1000	1.2.2.1801101456	--
4	beijing	Cassia Router	ONLINE	218.241.251.159	172.16.10.100	CC:18:E0:E0:04:84	C1000	9.9.U1.1803211739	21min 23sec
5		LXC Router	ONLINE	96.64.240.30	192.168.0.104	CC:18:E0:E0:95:84	X1000	1.2.1.1803121426	175hrs 49min 6sec
6		Cassia Router	ONLINE	96.64.240.30	10.1.10.154	CC:18:E0:E0:5D:FC	C1000	1.2.1.1803121426	267hrs 23min 24sec
7		Azure LXC Router	ONLINE	96.64.240.30	192.168.0.100	CC:18:E0:E0:56:2C	C1000	1.2.2.1803081043	166hrs 34min 4sec
8		ABB Cassia Router	ONLINE	96.64.240.30	192.168.0.101	CC:18:E0:E0:96:34	X1000	1.2.0.1803131043	315hrs 43min 25sec
9		Cassia Router	ONLINE	98.234.115.2	192.168.1.28	CC:18:E0:E0:2D:F0	X1000	1.2.0.1802130330	1hrs 44min 40sec

50 page 1 next Go

Figure 8: Add a Bluetooth router to the AC routers list

- Click Discover button, Cassia AC will identify Bluetooth routers that are either in the same local network as your AC or have been configured to talk to this AC, but haven't been added to the AC routers list yet, and

display them in the table.

- Check the routers you want to add, then click “Add” button.

Note: You can select multiple routers and add all of them in one batch, see Figure 9.

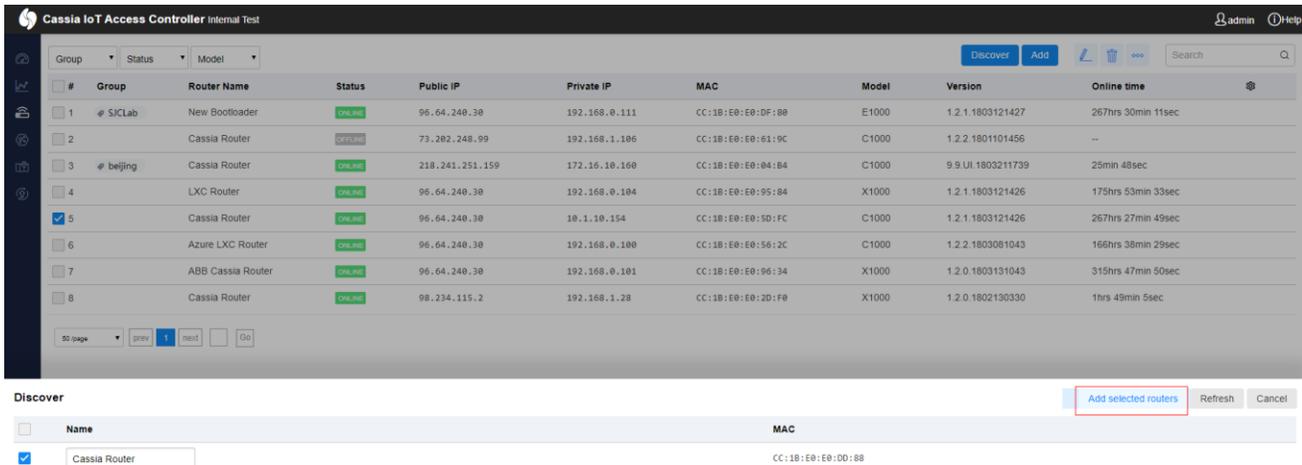


Figure 9: Discover your router and add it into the AC

- User your router’s MAC address to identify it in the routers table.

## Step Five – Upgrade the router

- If your router is not running the latest firmware, you can upgrade it. Navigate to the Routers page, select the router(s) that need to be upgraded, and click the Upgrade button. See Figure 10.

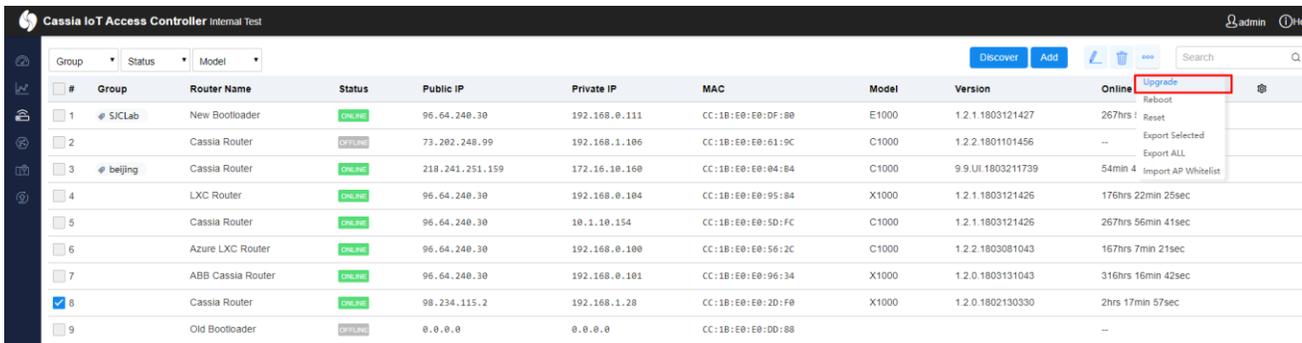


Figure 10: Upgrade a router

- From the text box, choose a Firmware version you want to upgrade to, then click OK. See figure 11 below.

### Upgrade

Please select a firmware to upgrade

XC1000 1.2.0.1803131043  
XC1000 1.2.1.1803121426

[Add a new firmware](#)

Cancel

OK

Figure 11: Select a firmware version and upgrade the router

- If you don't have the latest firmware on the AC yet, obtain it from Cassia first. Then upload it to the AC maintenance page. See Figure 12.



Figure 12: Upload firmware to the AC

- The AC will finish the upgrade for all of the routers you have selected.

For more questions, please contact [support@cassianetworks.com](mailto:support@cassianetworks.com).