

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.
 2015-2018 Cassia Networks[®]



← → C () 192.168.40.1

Authentic	ation required	
http://192.1	68.40.1	
our conne	tion to this site is not private	
Jsername		
Password		

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.

	Overview	Common	Networks	Bypass
Portal Password				
Old Password				
New Password				
Confirm Password				
	<u>Save</u>			
AC Address	test.cassia.pro			
AC-AP Comm. Ports	5246,5247			
	<u>Save</u>			
Local RESTful API	ON			•

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			v						
	Save									
Wireless (5Ghz WiFi is not supported.)										
Mode	client			v						
SSID										
Password										
IP Allocation	Static			v						
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.

\leftrightarrow \rightarrow C \textcircled{O} Not secure demo.cassia.pro/session?view			
Gassia loT Access Controller ^{Beta}			
	• Walasmal		
	• weicome!		
	Username:	admin	
	Password:	••••••	
		_	
		Login	

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.



\leftarrow	\rightarrow C (i) test.	cassia.pro/setting?view							
\$	Cassia loT Access (Controller Internal Test							
Ø	Timezone	(GMT -08:00) Pacific Time (US & Canada)							
<u>~</u>									
	Save Setting								
S	Developer account for RESTful APIs 🕜								
ഷ	Developer Key tester								
Ð	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 ₂								
Q Q	Use HTT	Ps							

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.

\leftarrow	→ C	(i) test.cass	sia.pro/ap?view							ବ 🖈 🖸 🗹	0 :
\$	Cassia I	oT Access Cont	troller Internal Test							ßadr	min (j)He
	Group	 Status 	• Model •						Discover Add	L 🗊 🚥 Search	Q
		Group	Router Name	Status	Public IP	Private IP	MAC	Model	Version	Online time	\$
â	1	# SJCLab	Old Bootloader	ONLINE	96.64.240.30	192.168.0.108	CC:1B:E0:E0:DD:88	E1000	1.2.1.1803121427	168hrs 21min 41sec	
	2	# SJCLab	New Bootloader	ONLINE	96.64.240.30	192.168.0.111	CC:1B:E0:E0:DF:80	E1000	1.2.1.1803121427	267hrs 25min 46sec	
	3		Cassia Router	OFFLINE	73.202.248.99	192.168.1.106	CC:1B:E0:E0:61:9C	C1000	1.2.2.1801101456		
	4	@ beijing	Cassia Router	ONLINE	218.241.251.159	172.16.10.160	CC:1B:E0:E0:04:B4	C1000	9.9.UI.1803211739	21min 23sec	
	5		LXC Router	ONLINE	96.64.240.30	192.168.0.104	CC:1B:E0:E0:95:84	X1000	1.2.1.1803121426	175hrs 49min 8sec	
	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:1B: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:1B: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:1B:E0:E0:2D:F0	X1000	1.2.0.1802130330	1hrs 44min 40sec	
	50 /page	• prev 1	next Go								



 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 2015-2018 Cassia Networks[®]



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.

\$	Cassia I	oT Access Cont	roller Internal Test								ی admir	n (i)Help
Ø	Group	• Status	• Model •						Discover Add	L 🗊 🚥 Searc	ch	۹
<u>k</u>		Group	Router Name	Status	Public IP	Private IP	MAC	Model	Version	Online time	\$	ß
â	1	@ SJCLab	New Bootloader	ONLINE	96.64.240.30	192.168.0.111	CC:18:E0:E0:DF:80	E1000	1.2.1.1803121427	267hrs 30min 11sec		
ß	2		Cassia Router	OFFLINE	73.202.248.99	192.168.1.106	CC:18:E0:E0:61:9C	C1000	1.2.2.1801101456			
۲Ŷ	3	@ beijing	Cassia Router	ONLINE	218.241.251.159	172.16.10.160	CC:18:E0:E0:04:B4	C1000	9.9.UI.1803211739	25min 48sec		
٢	4		LXC Router	ONLINE	96.64.240.30	192.168.0.104	CC:18:E0:E0:95:84	X1000	1.2.1.1803121426	175hrs 53min 33sec		
	5		Cassia Router	ONLINE	96.64.240.30	10.1.10.154	CC:18:E0:E0:5D:FC	C1000	1.2.1.1803121426	267hrs 27min 49sec		
	6		Azure LXC Router	ONLINE	96.64.240.30	192.168.0.100	CC:18:E0:E0:56:2C	C1000	1.2.2.1803081043	166hrs 38min 29sec		
	7		ABB Cassia Router	ONLINE	96.64.240.30	192.168.0.101	CC:18:E0:E0:96:34	X1000	1.2.0.1803131043	315hrs 47min 50sec		
	8		Cassia Router	ONLINE	98.234.115.2	192.168.1.28	CC:1B:E0:E0:2D:F0	X1000	1.2.0.1802130330	1hrs 49min 5sec		
	50 /page	• prev 1	next Go									
									-			
Disc	over									Add selected routers	Refresh	Cancel
	Nam	•					MAC					
~	Ca	isia Router					CC:18:E0:DD:	88				

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.

\$	Cassia le	oT Access Cont	roller Internal Test							Ladmin ()He
Ø	Group	• Status	• Model •						Discover Add	🗶 🧃 🚥 Search Q
2	#	Group	Router Name	Status	Public IP	Private IP	MAC	Model	Version	Online Upgrade @
8	1	@ SJCLab	New Bootloader	ONLINE	96.64.240.30	192.168.0.111	CC:1B:E0:E0:DF:80	E1000	1.2.1.1803121427	267hrs : Reset
(F)	2		Cassia Router	OFFLINE	73.202.248.99	192.168.1.106	CC:1B:E0:E0:61:9C	C1000	1.2.2.1801101456	Export Selected
œ۵	3	ø beijing	Cassia Router	ONLINE	218.241.251.159	172.16.10.160	CC:1B:E0:E0:04:B4	C1000	9.9.UI.1803211739	54min 4 Import AP Whitelist
Ŷ	4		LXC Router	ONLINE	96.64.240.30	192.168.0.104	CC:1B:E0:E0:95:84	X1000	1.2.1.1803121426	176hrs 22min 25sec
	5		Cassia Router	ONLINE	96.64.240.30	10.1.10.154	CC:1B:E0:E0:5D:FC	C1000	1.2.1.1803121426	267hrs 56min 41sec
	6		Azure LXC Router	ONLINE	96.64.240.30	192.168.0.100	CC:1B:E0:E0:56:2C	C1000	1.2.2.1803081043	167hrs 7min 21sec
	7		ABB Cassia Router	ONLINE	96.64.240.30	192.168.0.101	CC:1B:E0:E0:96:34	X1000	1.2.0.1803131043	316hrs 16min 42sec
	8 🔽		Cassia Router	ONLINE	98.234.115.2	192.168.1.28	CC:1B:E0:E0:2D:F0	X1000	1.2.0.1802130330	2hrs 17min 57sec
	9		Old Bootloader	OFFLINE	0.0.0	0.0.0	CC:1B:E0:E0:DD:88			**



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



lease select a firmware to upgrade			
XC1000 1.2.0.1803131043 XC1000 1.2.1.1803121426			

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.

6			0	A 1 1
S)	Cassia lo TAccess Controller Internal Test		8 admin	UHelp
	Access Controller Update			
	Upload package and install 🛛 🥹			
	Router's Firmware Update	Up	load firmware	elete
	Version	Size		
(d)	E1000 1.2.1.1803121427	19.18 MB		
-	XC1000 1.2.0.1803131043	18.51 MB		
	XC1000 1.2.1.1803121426	18.51 MB		
	About			

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.