

# 5.6G Wireless Bridge

## Quick Start Guide

AI-CPE

Point-to-point extension network to second building



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Firstly you need to set one unit to MASTER and one to SLAVE

Use the switch at the bottom of the units to select.

A = MASTER ( no dot on LED) B = SLAVE ( little dot will display on LED)

Once you power up the units they go through a cycle and will finally show a number / letter Takes approx - 30 seconds for full boot up.

This will indicate which ID they are using.

Both Master and Slave need to be using the same ID or the system will not work:

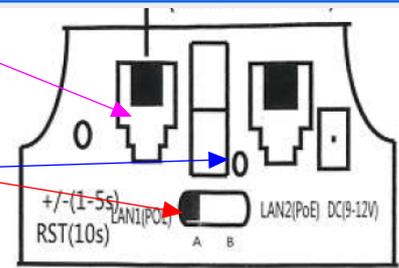
If both units have the same ID number and one is set as MASTER , and one as SLAVE then they should connect automatically and create a bridge network and the Link Lights should be on.

We suggest logging into the units through your Laptop to custom configure the settings, the direct IP address to log in to the units is per the Table.

ie If your unit boots up with ID of 1 - and you have it as A - Master then your direct IP address will be 192.168.255.101 and the Slave set as B will be 192.168.255.201

You will need to Manual set your laptop IP address to be on the same network - ie set your laptop to 192.168.255.99

POE Connection



Link	Bridge connection is successful, link lights, not connected Off
LAN1	Turning on the lighting data, the communication flashing, off data nowhere
LAN2	Turning on the lighting data, the communication flashing, off data nowhere
PWR	Power indicator, power on
LED	Display H, expressed configured to manually set state
LED	L displayed and flashes, represents settings
LED	Flashing, it indicates to modify the configuration, or is connected to the
Round light	A, B status lights, light that is not mode A, mode B light that
RST	1-5s press, led digital automatic increase, 0-F from circulation
RST	Press over 10s, release the reset, the system automatically restart

If you want to use a different ID , Then press and hold the selector button for 1 second once you release the number should start flashing

Use the button to select a different number , once you select it will Flash L when updating then return to the ID.

Wait a few seconds for the ID number to lock into place.

After connection the ID LED will stay SOLID

If the LED stays flashing then the connection is not working.

You can also see connection on the status LEDs

**NB: Changing the ID setting does a partial factory default of some settings.**

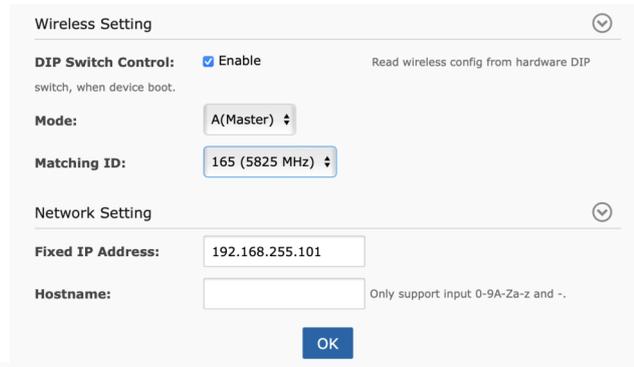
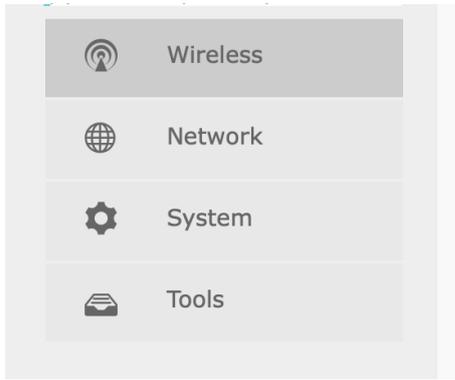
**We suggest doing this setting before configuration of other options on the device.**



LED	A IP	B IP	2.4 ID	5.8 ID
0	192.168.255.100	192.168.255.200	0	0
1	192.168.255.101	192.168.255.201	1	165
2	192.168.255.102	192.168.255.202	2	161
3	192.168.255.103	192.168.255.203	3	157
4	192.168.255.104	192.168.255.204	4	153
5	192.168.255.106	192.168.255.205	5	149
6	192.168.255.106	192.168.255.206	6	48
7	192.168.255.107	192.168.255.207	7	44
8	192.168.255.108	192.168.255.208	8	40
9	192.168.255.109	192.168.255.209	9	36
a	192.168.255.110	192.168.255.210	10	140
b	192.168.255.111	192.168.255.211	11	132
C	192.168.255.112	192.168.255.212	13	124
D	192.168.255.113	192.168.255.213	96	116
E	192.168.255.114	192.168.255.214	50	108
F	192.168.255.115	192.168.255.215	55	100

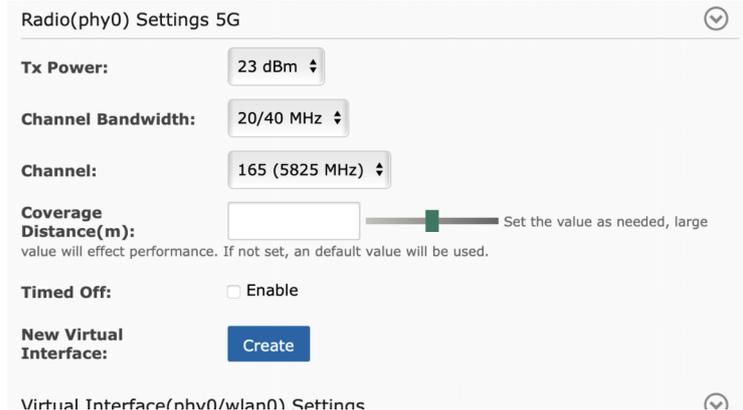
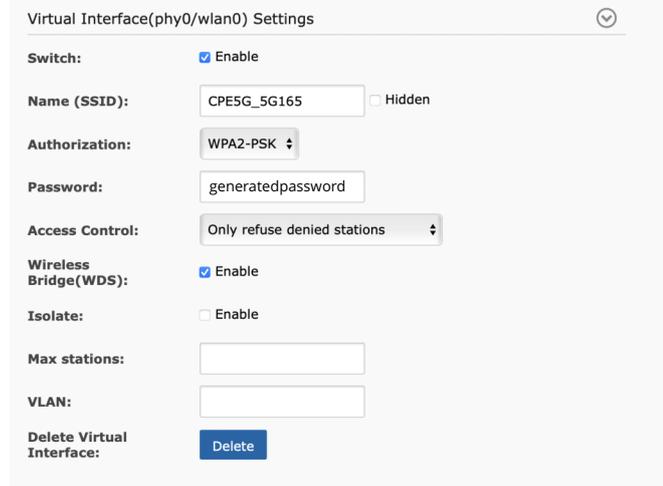
When you log into the units.

The following screen is where you can manually set the settings. Notice you can set MASTER . and the 5.8 ID settings, Plus the fixed IP



Under the wireless settings - we suggest you make the Bridge link Hidden , once you have everything working.

NB: here this is where the link passwords and SSID are preset based on your ID setting, - You can also limit Slave Stations here.

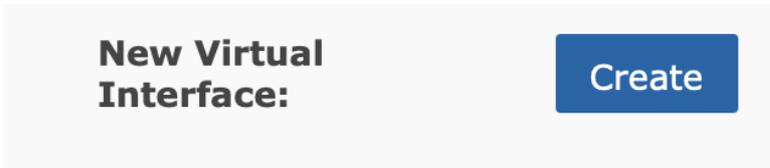


For a more stable network you can set the Coverage distance This optimise's the software.

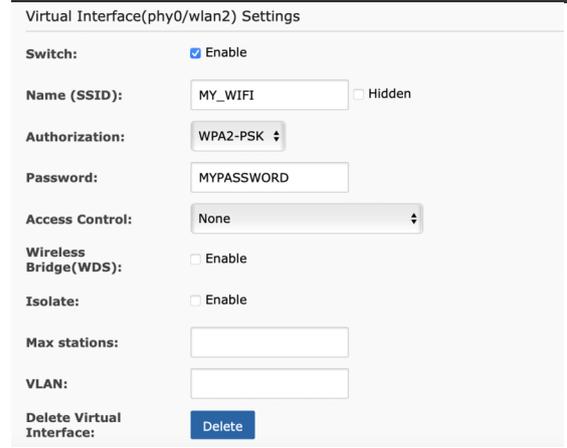
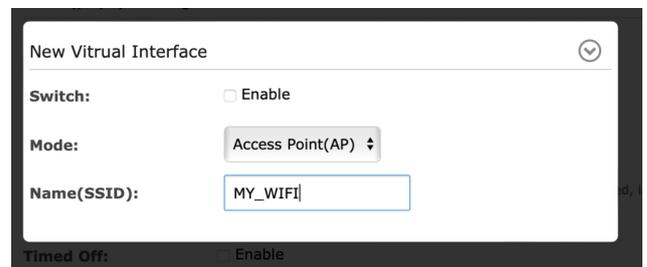


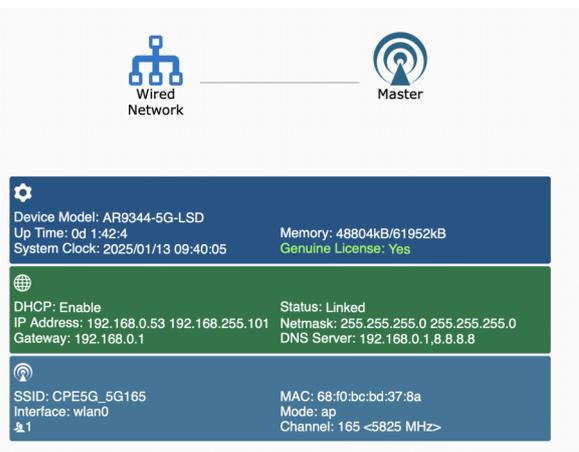
We also suggest setting the Region and time settings,

If you want to create a WIFI network from the Slave unit, you can do this under SETTING / WIRELESS



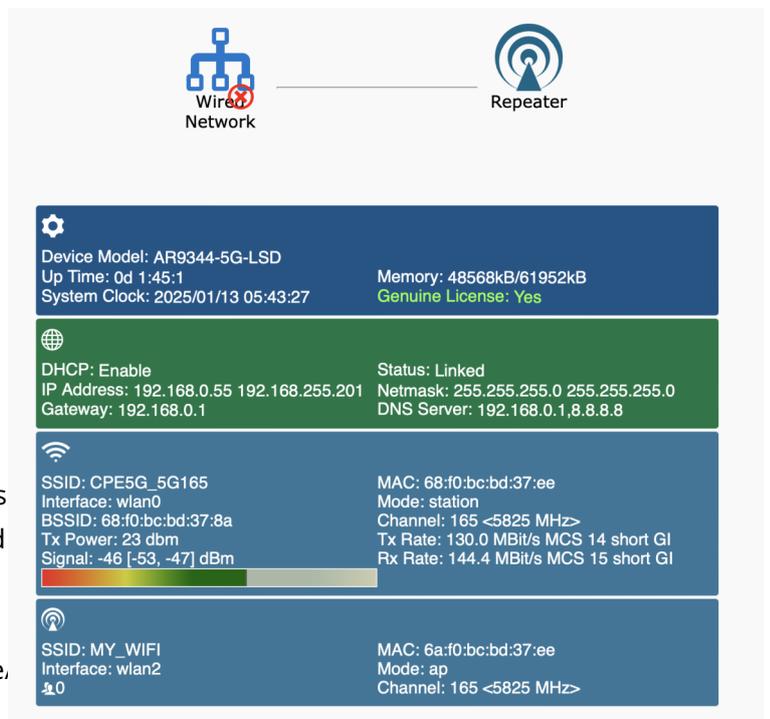
Remember to Enable the network and set up password





Under the Status settings you can see how your network is connected , you can also see the Local IP address assigned to each device for better management.

On the Slave unit you can see the Signal level of the bridge,



### Stations Status

Auto Refresh  Detail Devices Management

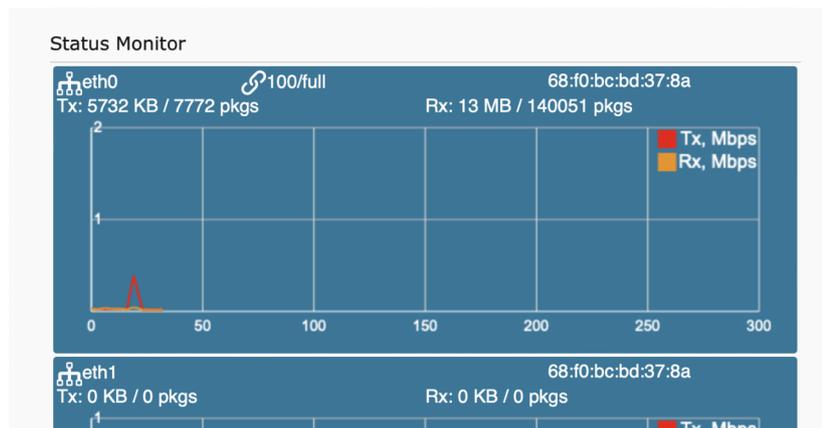
wlan0:CPE5G\_5G165 1

68:f0:bc:bd:37:ee -49 [-54, -51] dBm

8 pkts 0 MB

325 s 144.4 MBit/s MCS 15 short GI

You can also Check on Slave connections , Run Tests and monitor performance



Wireless bridges work best with unobstructed line of sight.

If you are unable to get signals , log into each unit separately using a Laptop and check the settings,

If you need to default the units - Please hold the little button for 40 seconds on each unit and make sure you select the same ID for Slave and Master - remember to set 1 with position A and the other with B

For a complete check , power them both up in the same room and confirm connection before deploying in the field.