

FIBARO Integration with CoolLinkHub

This guide covers bridging your FIBARO to your CoolLinkHub and in turn your Cool Plug for this you will need a few things;

Hardware;

FIBARO Home Centre 2

CoolLink HUB

CoolLink Plug (ensure you have the version that is specifically for your HVAC system)

Software;

Putty (This is a free program that you can download from the link below)

<https://www.putty.org/>

You will need to download the following Virtual Device for FIBARO, the device is pre-built to make installation as simple as possible.

(I have the file, just point me to who I should send it off to, also what name you would like it to have, as its currently named so I can identify the Version of it)

Initial Set-up

You don't need to do anything special while setting up the FIBARO controller, so if it is an existing system you should be fine.

For setting up your CoolLink Hub and Plug you will need to set them up in accordance to the manual, you can find the manual below for all Cool Plugs.

<https://coolautomation.com/lib/doc/CoolLinkHub-CoolPlug/quickstart/CoolPlugCoolLinkHub-QuickInstallationGuide-V2.pdf>

CoolLinkHub Configuration

Hub IP

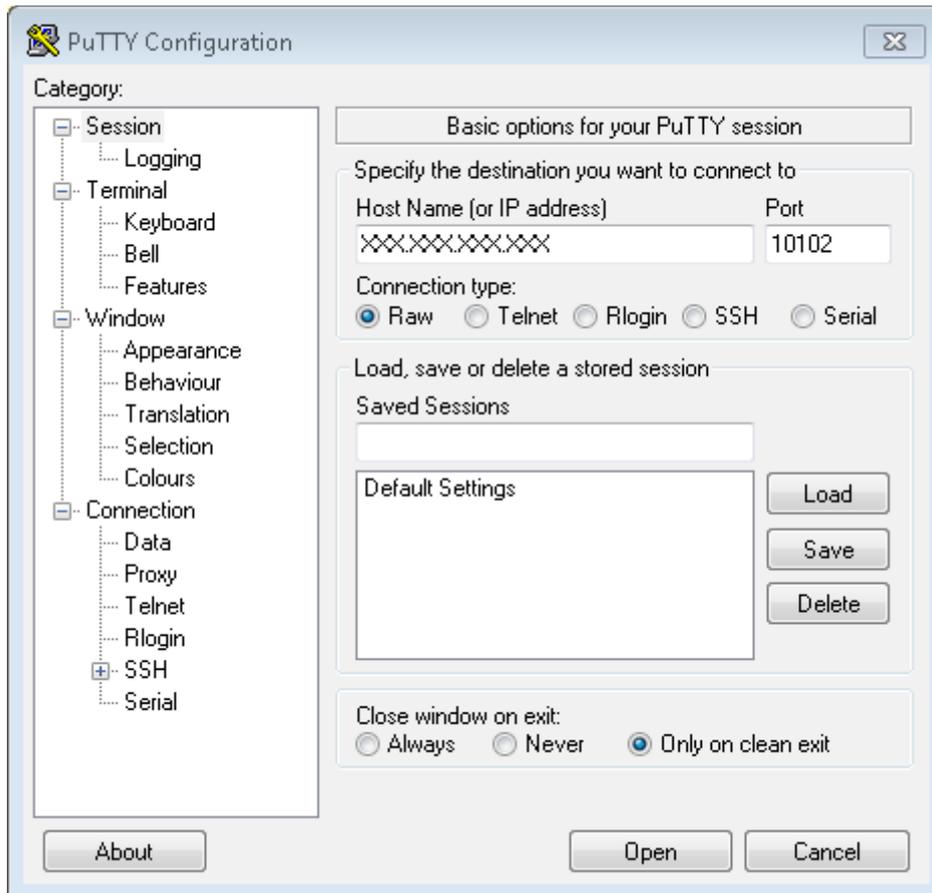
Once you have connected up your CoolLink Hub and your CoolLink Plug your Router will assign an IP to the Hub, you will need this IP in order to proceed you can go about this in a number of ways, the simplest way is to simply watch your CoolLink Hub for a short duration, every two minutes or so it cycles through some of its information, the devices IP is one of them and it will display four numbers in sequence on the upper right hand side of its screen.

HVAC Identifier

Along with the IP being displayed on the screen if you watch the bottom left of the screen it will constantly cycle the same three sets of information, the one we are looking for is L#, where # is a number such as 2, on the next cycle you will see that number much smaller and turned vertical on the screen followed by three numbers such as 093, once you have these two sets of numbers you have have the identifier as it will be the two sets combined in this example L2.093.

Setting Static IP

It is highly recommended that you set your CoolLinkHUB to a Static IP, to do this you will need to use Putty, you will need the use the IP, the Port 10102 and then select RAW, and Press Open



This will open a command like prompt box just to make sure you have connected correctly you may wish to check the status of your HVAC system, to do this just type in the following **ls L#** with the # being the number to get in the “HVAC Identifier” section, once you have confirmed connection put in **ifconfig**

```
>ls L2
L2.093 OFF 00C 00C Low Cool CP01 - 0
OK
>ifconfig
MAC : 28:3B:96:C1:00:DA
Link : Up
IP : 10.0.0.185 (Static)
Netmask: 255.255.255.0
Gateway: 10.0.0.138
DNS1 : 208.67.222.222
DNS2 : 8.8.8.8
Autoip : Yes(1)
OK
>
```

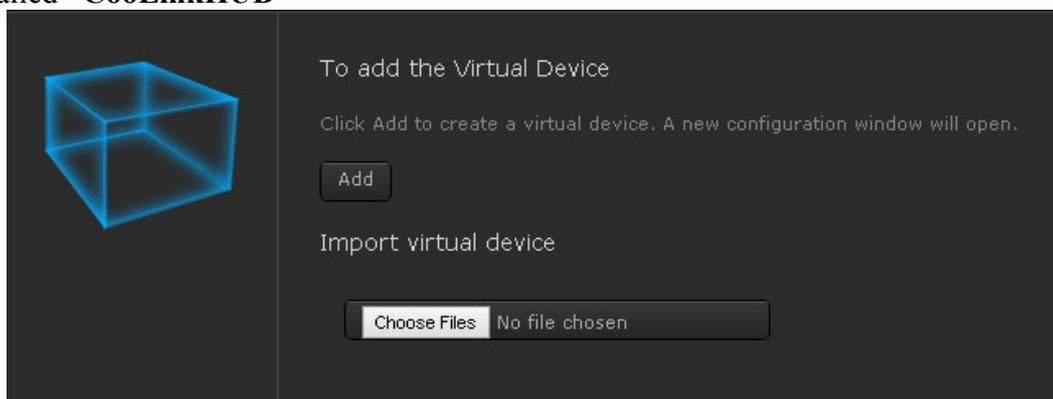
I have already set a static IP, to do this you will need to type in **ifconfig IP XXX.XXX.XXX.XXX** Make sure that you set the ip within the same subnet as your Gateway.

```
>ls L2
L2.093 OFF 00C 00C Low Cool CP01 - 0
OK
>ifconfig
MAC : 28:3B:96:C1:00:DA
Link : Up
IP : 10.0.0.185 (Static)
Netmask: 255.255.255.0
Gateway: 10.0.0.138
DNS1 : 208.67.222.222
DNS2 : 8.8.8.8
Autoip : Yes(1)
OK
>ifconfig IP 10.0.0.175
OK, Boot Required!
>
```

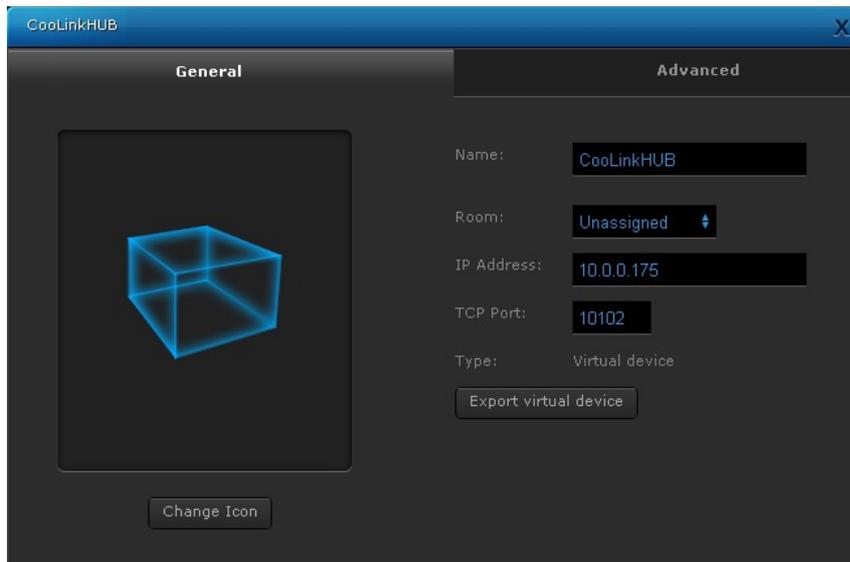
After the reboot you will want to connect to the CoolLink Hub again using putty to make sure its changed its IP correctly.

FIBARO Virtual Device Set-up

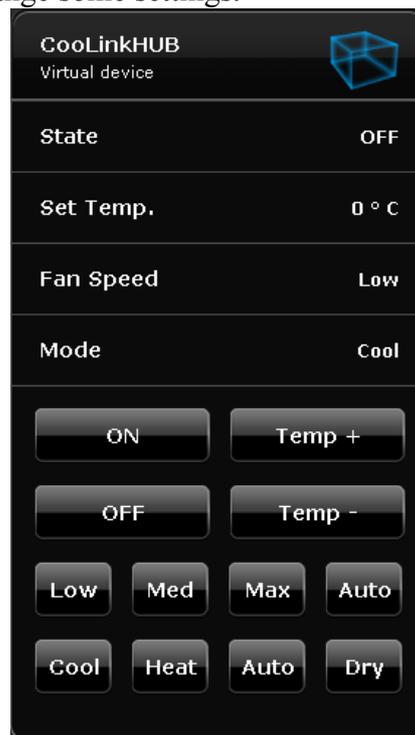
You will need to set up the Virtual Device you downloaded previously, to do this you will need to navigate to the add device section of the Fibaro and press Choose Files under Import virtual device, find the Downloaded file and select it, after roughly 10 seconds you will be loaded into a new device called “**CoolLinkHUB**”



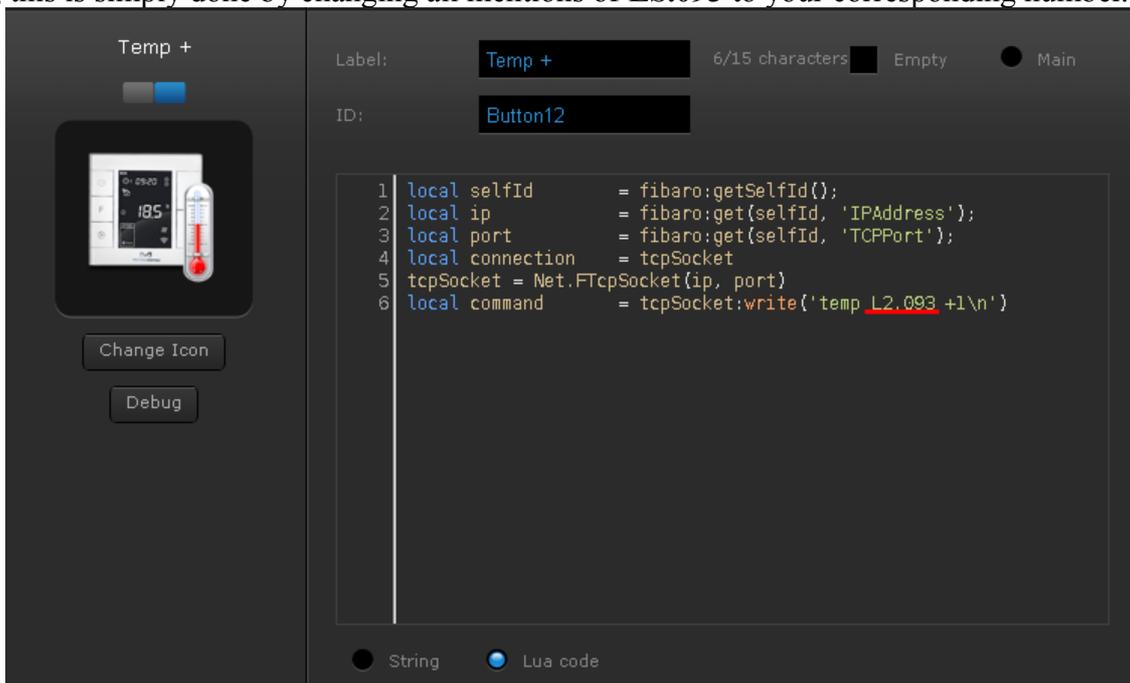
Once you have loaded you will need to input your IP Address and the TCP Port 10102 and press save located on the right side of the screen.



After that press on Advanced on the top right of the screen. If you scroll down you will find the Control for the CoolLinkHub, however at this point of time it is not operational as we need to change some settings.



Underneath the Remote you will find a Bunch of Buttons and Labels, in order for your Fibaro to communicate with the HUB we need to make sure the Fibaro Sends the right commands to the HUB, this is simply done by changing all mentions of **LS.093** to your corresponding number.



Once you have changed all noted **L2.093** you will need to scroll back up and save the Virtual Device, once you have done so you will be able to control the CooLinkHub, and as long as you have done it all correctly you will also receive feedback from your HUB so if you change the Temperature manually the Remote will also update the temperature on the FIBARO HC.