

I.O.T BOX CONFIGURATION SET-UP

STEP-4

1. RESERVING AN IP ADDRESS FOR THE I.O.T BOX

Once you are logged in the router follow the following procedures:

Got to:
*Advanced Settings
*DHCP
*Address Reservation

ID	MAC Address	Reserved IP Address	Status	Modify
1			Enabled	Modify Delete
2			Enabled	Modify Delete
3			Enabled	Modify Delete
4			Enabled	Modify Delete

[Add New...](#) [Enable All](#) [Disable All](#) [Delete All](#)

[Previous](#) [Next](#)

Address Reservation Help

When you specify a reserved IP address for a PC in the LAN, that PC will always receive the same IP address each time when it accesses the DHCP server. Reserved IP addresses could be assigned to servers that require permanent IP settings.

- **MAC Address** - The MAC Address of the PC that you want to reserve an IP address for.
- **Reserved IP Address** - The IP address that the Router reserved.
- **Status** - It shows whether the entry is enabled or not.
- **Modify** - To modify or delete an existing entry.

To Reserve IP Addresses, you can follow these steps:

1. Enter the MAC Address (The format for the MAC Address is XX-XX-XX-XX-XX-XX) and the IP address in dotted-decimal notation of the computer you wish to add.
2. Click the **Save** button.

To modify a Reserved IP Address, you can follow these steps:

1. Select the reserved address entry as you desired, modify it. If you wish to delete the entry, click the **Delete** link of the entry.
2. Click the **Save** button.

Click the **Add New...** button to add a new Address Reservation entry.

Click the **Enable All** button to enable all the entries in the table.

Click the **Disable All** button to disable all the entries in the table.

Click the **Delete All** button to delete all the entries in the table.

Click the **Next** button to go to the next page, or click the **Previous** button return to the previous page.

Note: The changes will not take effect until the Router reboots.

*Click Add New

MAC Address:

Reserved IP Address:

Status: Enabled ▼

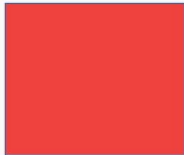

[Save](#) [Back](#)

You will need the MAC Address for the DEVICE CONNECTING to the router, so for the I.O.T BOX you will need the MAC ADDRESS of the WiFi Adapter

to get this you will just need to connect to the internet then view the DHCP Client List to view the MAC ADDRESS

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DHCP Clients List

ID	Client Name	MAC Address	Assigned IP	Lease Time
1	gr00t			Permanent
2	---			Permanent
3	raspberrypi			Permanent
4	---			Permanent

Refresh

So after getting the MAC ADDRESS you will just set it at the MAC ADDRESS box and set an IP ADDRESS then click save.

2. SETTING PORT FORWARDING OPTION

Still at the router go to:

- *Advanced Settings
- *Port Forwarding
- *Add New

then add the external port triggering port ip address and internal port

Then Click save

2. PLACING THE I.O.T BOX AS A DMZ

Still at the router go to:

- *Advanced Settings
- *DMZ
- *Then Set the DMZ HOST IP Address

Then Click save

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So for the changes to take effect you will need to reboot the router.

Other Security Features to place in effect:

Go to Security and set the following:

- *Enable Firewall if not yet Enabled
- *IP Address Filtering
- *MAC Address Filtering

Go to System Tools and do the following:

- *Password

(change the default password and user name for accessing the router)

****These will harden the system****

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NB: The Router I was working with was a TPLINK the Following will settings wto the ill not be the same us to your router but do not worry I have got the solution for you click the links below either A or B:

A: >> <http://ow.ly/GPI930gQgPP>

B: >> <http://ow.ly/noPv30gQgZk>

You won't lack a solution from any of the links.