TP LINK 300M Wireless N Router Setup

1- To put modem on bridge mode and enable PPPoE user name / password (for example for Bell) just go to Network => WAN => WAN Connection Type:
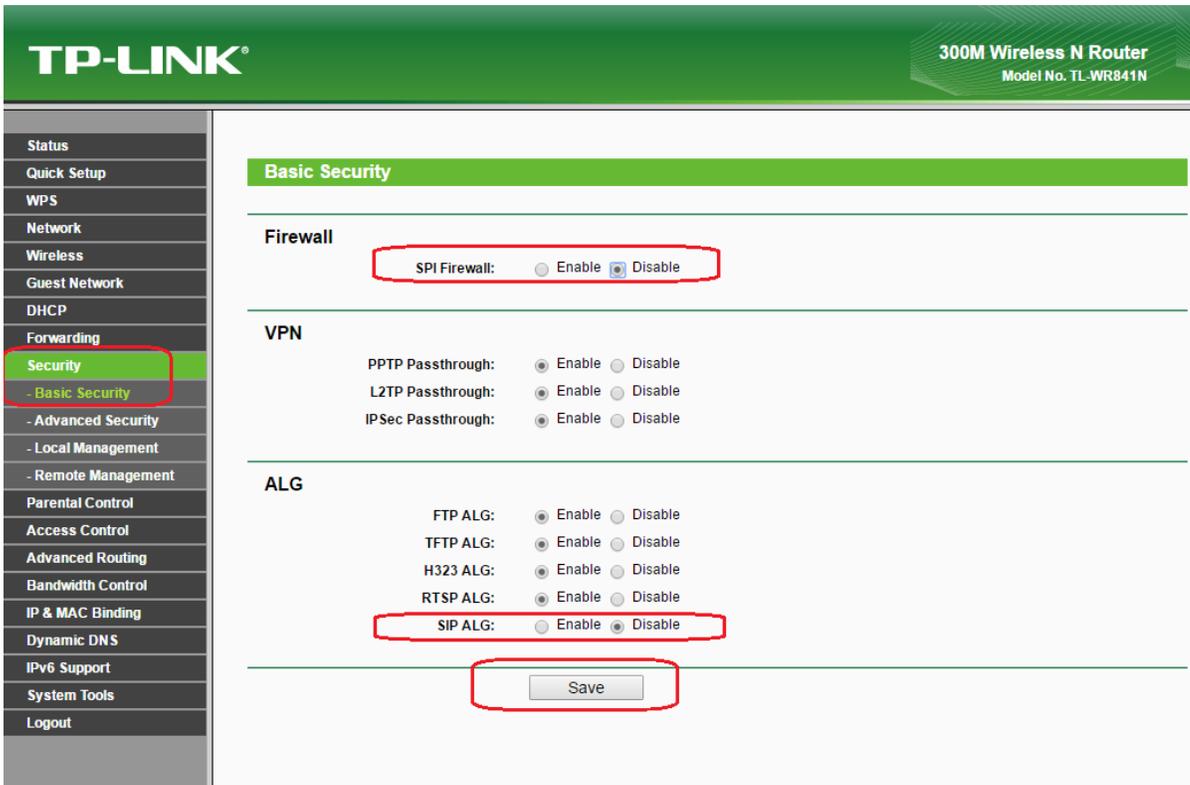

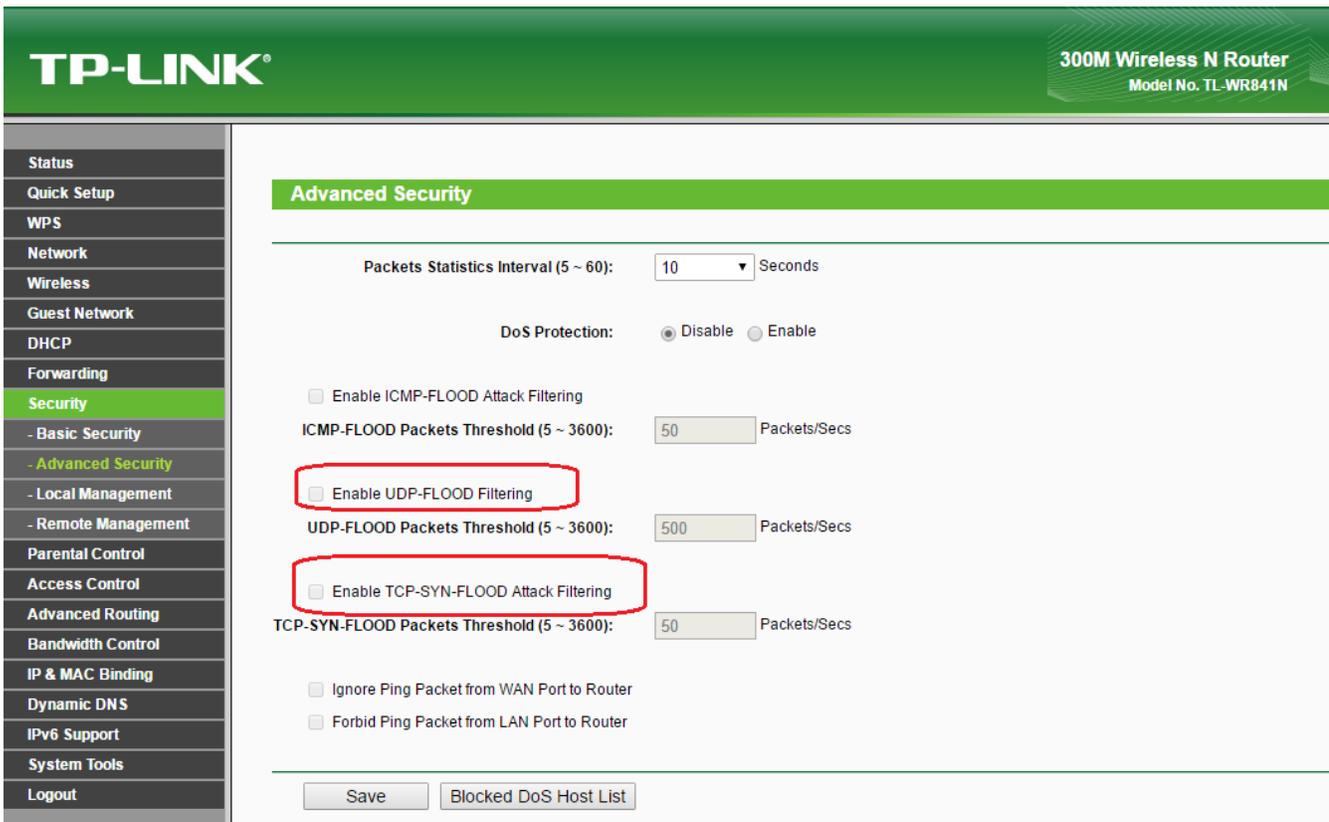2- Otherwise if there is no bridge mode just leave the WAN connection Type to default (which is Dynamic IP)

3- Security => Basic Security
   a. Under Firewall, set SPI Firewall to Disable

b. Under ALG, set SIP ALG to disable and save

4- Security => Advanced Security, please ensure:
   a. UDP-Flood Filtering is disabled
   b. TCP-SYN-Flood Atatck Filtering is disabled (off)

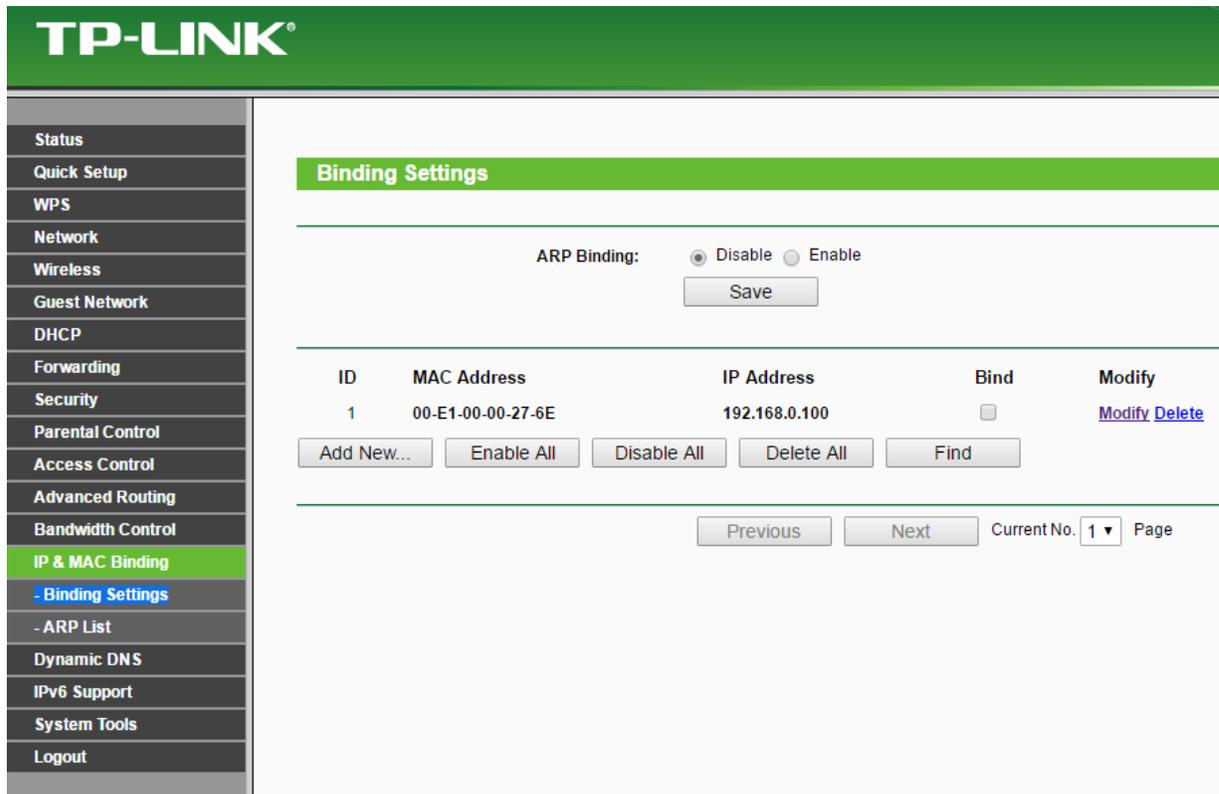5- QoS (Quality of service): To be setup if client is sharing the VoIP Internet with Data
   a. Once all the phones are plugged in, please go to "IP & MAC Binding" => "-ARP List" and click on "Load" to statically assign an IP address to the mac address of the phones
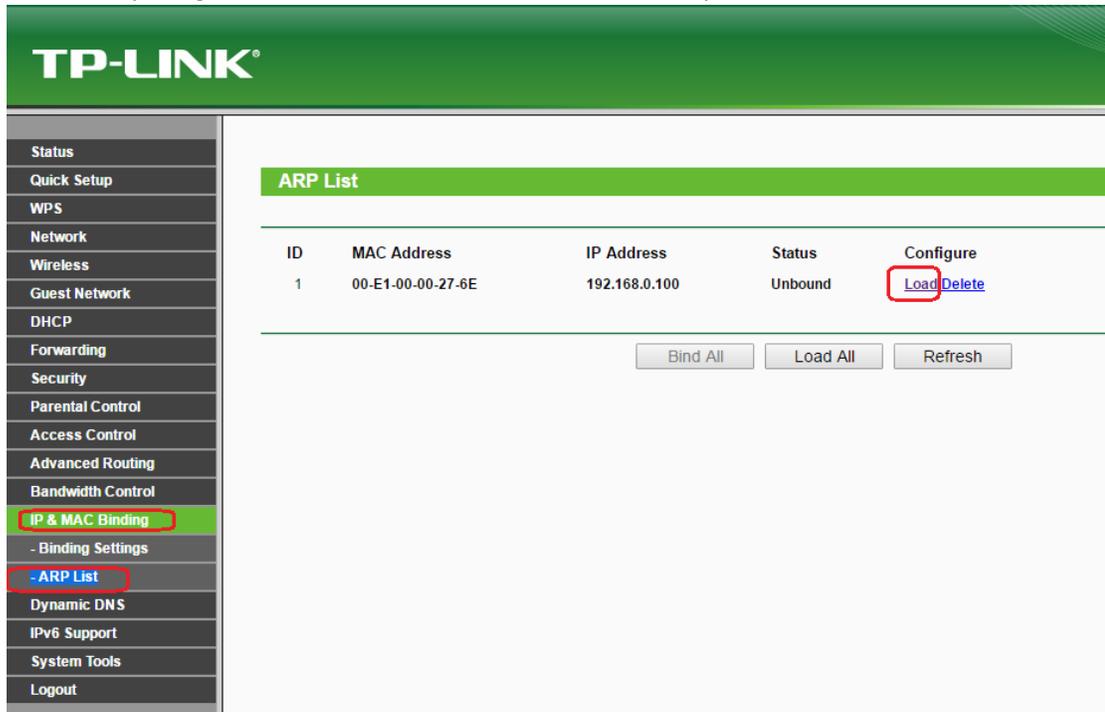
   b. Once all devices are done, Click on "IP & MAC Binding" => "Binding Settings" to ensure devices are all added:

c. Go to "Bandwidth Control Settings" => "Control Settings", Enable Bandwidth Control and put a realistic value for Egrees (Upload speed) and Ingrees (Download speed) (values depend on client's bandwidth)

d. Lastly go to "Bandwidth Control Settings" => "Rule List" and create a rule per device (per IP), or if IPs are in a row you can just create a rule for the entire IP Range of the phones; the upload and download speed per each device need to be calculated and tuned based on the client's bandwidth. We usually need to specify minimum 512 Kbps to each device