

TP Link VX420 Modem Guide

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Login to Modem

Open a web browser and go to default URL of <u>https://192.168.1.1</u> You will then be presented with to Login screen. (If you have changed the IP range you will need to use the new range)	© commander Username Passeord Log in
Please enter the login credentials for the device	© commander
The default credentials are: username: admin password: admin@VX420 Click on Log in. (If you have changed the credentials you will need to use the new details)	admin Cog in
You will be directed to the home page.	Image: Commander Image: Commander

Wi-Fi Setup

On the navigation menu on	
the left, click Wireless.	🔘 commander
	Basic Advanced Logiout Reboot
	M Wireless Internet Router
	Vå Mult-SSID
	💋 USB Sharing
	🗢 Parental Controls
	Wireless Clients Wired Clients Phone USB Disk
If you would like to update	
the SSID and password,	Commander
click Save.	Q Search Band Sheering
	A Network Map Band Steering:
	3) Wireless
	Villeuss Seturgs
	Wireless velvork USB Sharing Network Name (SSID): **** Hide SSID
	Password:
	Save
	If the Hide SSID is ticked, the network name will not be visible to any
	devices and will need to be manually configured to each device
To add additional SSIDs	
click on Multi-SSID.	ि commander
	Basic Advanced Log out Reboot
	C Search O
	Network Map
	M Wireless Router
	₩ Multi-SSID
	1/2 USB Sharing
	Vireless Clients Wired Clients Phone USB Disk

Tick the enable check box				
TICK the enable theck box.				
	🔘 commander	Basic Advanced	Co Log out	;; Reboot
	Q Search	Multi-SSID	2.4GHz 5	ighz 🕜
	Network Map	MSSID1:	Enable	
	M Wireless			
	Multi-SSID	MSSID2:		
	USB Sharing	MSSID3:	Enable Sa	ave
	Parental Controls		_	
We recommend that you				
enter the same settings as	🔘 commander	Basic Advanced	E Log	ヨー・ gout Reboot
making changes to the	Q Search	Multi-SSID	2.4G	Hz 5GHz
Network Name (SSID) and	Retwork Map		_	
If the band steering has	Mireless	MSSID1:	Enable	- 8
been disabled, you will	Multi-SSID	Network Name (SSID):	VX420-B/4B_1 Hide SSID	
need to choose between		Password:	WPAY WPA2/ WPA3 Personal (Recomme *	
2.4/.25Ghz networks.	USB Sharing			
Click Save.	😍 Parental Controls	See each other:	✓ Allow guests to see each other	
		Access my local network:	Allow guests to access to my local network	
		USB Storage Sharing:	Allow guests to access my USB Storage Sharing	
		MSSID2:	Enable	· •
		MSSID3:	Enable	
			Ľ	Save
To turn off band steering,				
toggle the switch to grey. You can select either	C commander	Basic Advanced	C Logi	but Reboot
the details and click Save.	Network Map	Band Steering		?
	Wireless	Band Steering:		
	Multi-SSID	Wireless Settings		
	india colo	2.4GHz Wireless Network:	✓ Enable	
	USB Sharing	Network Name (SSID):	VX420-5D3D Hide SSID	
	C Parental Controls	Password:	32227069E3951	Save
		5GHz Wireless Network:	Enable	
		Network Name (SSID):	VX420-5D3D_5G	
		Password:	32227069E3951	
				Save
	1			

LAN Setup

Click on Advanced in the top			
tabs.	() commander		<u>ب</u>
		Basic Advanced	Log out Reboot
	Q Search		0
	Retwork Map		
	Mireless		
	Multi-SSID	Internet	Router
	🥙 USB Sharing		
	Parental Controls		- 2 Y
		Wireless Clients Wired	Clients Phone USB Disk
		Internet	
-			
On the navigation menu on			
the left select Network and	🔘 commander	Basic Advanced	で Longat Reboot
then select LAN settings.	Q Search	, availed	Log Mik Hoboot
	Network	DHCP Server	IPv4 IPv6
		MAC Address:	9C:A2:F4:B9:B7:51
	- DSL	IP Address:	192.168.1.1
	- EWAN	Subnet Mask:	255.255.255.0 💌
	- Mobile WAN	IGMP Snooping:	C Enable
	- LAN Settings	Second IP:	Enable
	- DSL Settings	DHCP:	Enable DHCP Server DHCP Relay
	- Dynamic DNS	IP Address Pool:	192 · 168 · 1 · 100 - 192 · 168 · 1 · 250
	- Static Routing	Address Lease Time:	1440 minutes. (1-2880. The default value is 1440.)
	- RIP Settings	Default Gateway:	192 · 168 · 1 · 1 (Optional)
		Default Domain:	(Optional)
Undata the ID address here			
and then click on Save			
and then effect on save.	O commander	Basic Advanced	Co X Log out Reboot
The below IP Address pool	Q Search		
will auto adjust.	Network	DHCP Server	IPv4 IPv6
	- DSL	MAC Address:	9C:A2:F4:B9:B7:51
	- EWAN	IP Address:	192 - 168 - 1 - 1
	Markin MAN	Subnet Mask:	255.255.255.0 V
	- MODILE ANALA	Second IP:	Enable
	- LAN Settings	DHCP:	✓ Enable
	- DSL Settings		DHCP Server DHCP Relay
	- Dynamic DNS	IP Address Pool:	192 · 168 · 1 · 100 - 192 · 168 · 1 · 250
	- Static Routing	Address Lease Time: Default Gateway:	1440 is 1440.) 192 . 168 . 1 . 1 (Optional)
	- RIP Settings	Default Domain:	(Optional)
	- IPv6 Tunnel	Primary DNS:	0 . 0 . 0 . 0 (Optional)
	Wireless	Secondary DNS:	0 . 0 . 0 . 0 (Optional)
	un vinoitaa		Save

WAN Setup

DSL					
Click on Advanced in					
the top tabs.	C commander	Bas : Advanced		s I s	E ** Log out Reboot
	 M Wireless Multi-SSID ^B USB Sharing 			Router	HZ
	Parental Controls	Urreless Clients	Wired Clients	US8 Disk	
On the navigation					
Menu on the left select	🔘 commander	Basic Advanced			도 ›: Log out Reboot
select DSL.	Q Search				
	Network	DHCP Server			IPv4 IPv6
	- DSL	MAC Address:	9C:A2:F4:B9:B7:51		
	EWAN	IP Address:	192 . 168 . 1 . 1		
	- EWAN	Subnet Mask:	255.255.255.0 💌		
	- Mobile WAN	IGMP Snooping: Second IP:	Enable		
	- LAN Settings	DHCP:	Enable		
	- DSL Settings		DHCP Server O DHCP	Relay	
	- Dynamic DNS	IP Address Pool:	192 · 168 · 1 · 100	- 192 . 168 . 1 .	250
	- Static Routing	Address Lease Time:	1440	minutes. (1-2880. Th is 1440.)	e default value
	- RIP Settings	Default Gateway:	192 · 168 · 1 · 3	1 (Optional)	
		Default Domain:		(Optional)	
On the right hand side,					
you will see the DSL diallers please click the notepad of the	© commander	Basic Advanced			도 났는 Log out Reboot
dialler you wish to	Network	Internet Connections			
change.				🖒 Refresh 🕂 A	dd 😑 Delete All
	- DSL	WAN Interface Name	VPI/VCI or VID Status	Operation	Modify
	- EWAN	pppoe_8_35_1	8/35 DSL Disabled	Connect	
	- Mobile WAN	pppoe_ptm_0_3	N/A DSL Disabled	Connect	
	- LAN Settings	pppoe_ptm_100_4	100 DSL Disabled	Connect	
	- DSL Settings				
	- Dynamic DNS				
	- Static Routing				
	1				

After selecting your									
dialler, edit the		pppoe_ptm_100_3	100	DSL Disabled	Connect	0	(
password	Internet Connection Setup								
Click OK to save any									
changes.		DSL Modulation Type: VDSL							
		VLAN ID:	100						
		Internet Connection Type:	PPPoE						
	l [Username:	Custom	er Username					
		Password:	Custom	er Password 💿					
		Confirm Password:	Custom	er Password 💿					
		Connection Mode:	Auto	On Demand O Ma	inually				
		Authentication Type:	AUTO_	AUTH V					
		IPv4:	Enable						
		Default Gateway:	pppoe_	100_4 🔹					
		IPv6:	Enable						
		Addressing Type:	AUTO	▼					
		IPv6 Default Gateway:	pppoe_	100_4 🔻					
		Advanced							
		MAC Clone							
		Do NOT Clone MAC Addre	ess						
		O Clone Current Computer M	IAC Address						
		 Use Custom MAC Address 	3						
		Interface Binding							
		LAN1 LAN2 L	AN3 🗌 LAN4						
		Wi-Fi_2.4G							
		Wi-Fi_5G							
		VoIP CWMP							
					Cancel	ок			



fialler, edit the username and					
bassword Llick OK to save any	pppoe_100_4	100	Connected	Disconnect	C î
changes.	Internet Connection Type:	PPPoE		•	
Please do not change	VLAN ID (1-4094):	100			
age.	Username:	Custom	er Username		
	Password:	Custome	er Password	0	
	Confirm Password:	Custome	er Password	•	
	Connection Mode:	Auto () On Demand 🔿 N	lanually	
	Authentication Type:	AUTO_A	UTH	•	
	IPv4:	Enable			
	Default Gateway:	pppoe_:	100_4	•	
	IPv6:	Enable			
	Addressing Type:	AUTO		•	
	IPv6 Gateway:	pppoe_:	100_4	•	
	Advanced				
	MAC Clone				
	Do NOT Clone MAC Addres	ss			
	Clone Current Computer M	AC Address			
	O Use Custom MAC Address				
	Interface Binding				
	LAN1 LAN2 LA	N3 🗌 LAN4			
	Wi-Fi_2.4G				
	Wi-Fi_5G				
	VoIP CWMP			Cancel	ок

To add a new WAN						
interface, click Add.	Internet Setun					0
				S second		_
	WAN Interface Name	VLANID	Status	Operation	Modify	
	WAN Interface Name	VENITO	Jialus	Operation	woony	_
	pppoe_0_1	N/A	Disconnected	Connect		
	pppoe_100_4	100	Connected	Disconnect	2	
Depending on the						121
internet connection	Internet Setup					G
type (dropdown)				🖒 Refresh 🕂 A	dd 😑 Delete All	
Dynamic IP =	WAN Interface Name	VLAN ID	Status	Operation	Modify	
Automatic IP e-WAN	-		-			
Static IP =	Internet Connection Type:	Dynamie	c IP	V		
Assigned IP e-WAN	VLAN ID:	Enable				
PPPOE=	IPv4:	Enable				
PPP Username &	IP Address:	0.0.0.0				
Password	Subnet Mask:	0.0.0.0				
Bridge=	Gateway:	0.0.0.0				
Bridge connection	Default Gateway:	pppoe_1	100_4	•		
	IPv6:	Enable				
Click OK to save any changes.	(Advanced					
	MAC Clone					
	Do NOT Clone MAC Addr	ess				
	 Clone Current Computer I 	MAC Address				
	 Use Custom MAC Addres 	s				
	Interface Binding					
		LANA				
	Wi-Fi_5G					
			l	Cancel	ОК	
	I.					

To update VLAN ID, click enable.	Internet Setup					
				🖒 Refresh 🕂 A	Add 😑 Delete All	-
All Commander services are tagged	WAN Interface Name	VLAN ID	Status	Operation	Modify	
VLAN100.	-		-	-		
	Internet Connection Type:	Dynam	ic IP	▼		
	VLAN ID:	Enable				
	IPv4:	Enable				
	IP Address:	0.0.0.0				
	Subnet Mask:	0.0.0.0				
	Gateway:	0.0.0.0				
	Default Gateway:	pppoe_	100_4	\mathbf{v}		
	IPv6:	Enable				
	Advanced					
	MAC Clone					
	Do NOT Clone MAC Addr	ess				
	Clone Current Computer I	MAC Address				
	 Use Custom MAC Addres 	s				
	Interface Binding					
	LAN1 LAN2 L	AN3 🗌 LAN4				
	Wi-Fi_2.4G					
	□ Wi-Fi_5G					
	VoIP CWMP					
				Cancel	ок	

Port Forward Setup

Click on Advanced in	
the top tabs.	🔘 commander
	Basic Advanced Log out Reboot
	Q Search
	A Network Map
	M Wireless
	Internet Router
	¹⁶ USB Sharing
	🐑 Parental Controls
	Wireless Clients Wired Clients Phone USB Disk
	Internet
On the navigation	
menu on the left select	© commander Basic Advanced Lag out Retoot
NAT Forwarding, then	Q Search
select virtual servers.	🕀 Internet IPv4 IPv6 🔊 Wireless 🥱 2.46Hz 5GHz 🕜
	Wireless WAN Interface Name: pppoe_100_5 Network Name (SSID): Micor
	Call Log MAC Address: 9C:A2:F4:B9:B7:52 Wireless Radio: On
	IP Address: 210.50.8.39 Mode: 802.11b/g/n/ax mixed
	Subret Mask: 255.255.255 Channel Width: Auto
	-ALG Primary DNS: 111.220.1.1 MAC Address: 9C:A2:F4:B9:B7:51
	- Virtual Serviers Secondary DNS: 111.220.2.2
	- Port Triggering Connection Type: PPPoE
	-DMZ
	UP:P
	TTT LAN artig prior
To add a port forward	
click Add.	🔿 commander
	Basic Advanced Log out Ruboot
	Virtual Servers 2
	Wiroless O Add O Delete
	D ID Service External Port Internal IP Port Protocol Status Modify
	O NAT Forwarding
	- ALG
	- Virtual Servers
	- Port Triggering
	- DM2



Framed Route Setup

Click on Advanced in			
the top tabs.			
	Communaer	Basic Advanced	ی جریج Log out Reboot
	Q Search		0
	A Network Map		
		Æ	2.4GHz 5GHz
	ລ Wireless	Internet	Router
	Multi-SSID		
	USB Sharing		
	Parental Controls		
		Wireless Clients Wired	Clients Phone USB Disk
		Internet	
On the navigation			
menu on the left select	🔘 commander		জ 🐇
Network, then select		Basic Advanced	Log out Reboot
Lan Settings.	Q Search	DHCP Server	
	Network		
		MAC Address:	9C:A2:F4:B9:B7:51
	- DSL	IP Address:	192 · 168 · 1 · 1
	- EWAN	Subnet Mask:	255.255.255.0 💌
	- Mobile WAN	IGMP Snooping:	C Enable
	- LAN Settings	Second IP:	Enable
		DHCP:	@ Enable
	- DSL Settings		DHCP Server DHCP Relay
	- Dynamic DNS	IP Address Pool:	$192 \cdot 168 \cdot 1 \cdot 100 + 192 \cdot 168 \cdot 1 \cdot 250$
	- Static Routing	Address Lease Time:	1440 minutes. (1-2880. The default value is 1440.)
	- RIP Settings	Default Gateway:	192 - 168 - 1 - 1 (Optional)
		Default Domain:	(Optional)
Charly the smaller have			
Check the enable box			
and click Save.	🔘 commander	Basic Advanced	ee 米 Log auf Beboot
	Q Search		
		DHCP Server	IPv4 IPv6
	Network		
	- DSL	MAC Address:	9C:A2:F4:B9:B7:51
	- EWAN	Subnet Mask:	192 . 108 . 1 . 1
	- Mobile WAN	IGMP Snooping:	✓ Enable
		Second IP:	Enable
	- LAN Settings	DHCP:	✓ Enable
	- DSL Settings		DHCP Server O DHCP Relay
	- Dynamic DNS	IP Address Pool:	192 · 168 · 1 · 100 - 192 · 168 · 1 · 250
	- Static Routing	Address Lease Time:	1440 minutes. (1-2880. The default value is 1440.)
	- RIP Settings	Default Gateway:	192 . 168 . 1 . 1 (Optional)
	- IPu6 Tunnel	Default Domain:	(Optional)
	a vo tumer	Primary DNS:	0.0.0.0 (Optional)
	M Wireless	Secondary DNS:	U . O . O . O (Optional)
	0.0		
	"Call Log	Framed Route	
	NAT Forwarding	Enable	
	🖉 LISB Sharing		Save
	• Cost onaring		

Enter in IP Address and the Subnet Mask details provided by	Framed Route					
Commander and click Save.	Enable	Enable				
	IP Address:	202				
	Subnet Mask:	255 . 255 . 255 . 252				
	Start IP Address:	202				
	End IP Address:	202				
	Bound Lan Port :	LAN1 V	_			
	Please select the LAN	Please select the LAN port you wish to the Framed Route on				
	DHCP Address Allocation					



Enter in the details, (example shown) and click OK.	Dead Pee	er Detection:					🕂 Ad	d 🖨 Delete			
Please note: The local		Connection Name	Remote Gateway	Local Address	Remote Addre	ss Statu	s Enable	Modify			
you are configuring,		-	-	-	-		-	-			
and the remote address is the site you	IF	IPSec Connection Name: In					Intranet				
wish to access.	Remote IPSec Gateway (URL): Other Site WAN IP 100.8					0.80.0.9					
	Tunnel access from local IP addresses:				Subnet Add						
	IF	IP Address for VPN: Customer LAN IP				. 4	. 1				
	S	ubnet Mask:	255 . 255	. 255	. 0						
	т	unnel access from remote		Subnet Add	Subnet Address						
	IF	Address for VPN:	Other	Site LAN IP	192 . 168	. 2	. 1	j			
	s	Subnet Mask:				. 255	. 0				
	К	ey Exchange Method:	Auto (IKE)		•						
	A	Authentication Method:				Pre-Shared Key					
	Pi Pas	Pre-Shared Key: Password For VPN should be same both Site				VPN_Password					
	P	Perfect Forward Secrecy:					•				
		Advanced				Cancel	ОК				
To toggle dead peer											
detection, click on the	IPSe	c VPN						?			
button snown.	Dead Peer Detection:										
							🔁 Add 🖨 D	elete			
		Connection Name	Remote Gateway	Local Address R	emote Address	Status E	Enable Mo	dify			
] Intranet	100.80.0.9	192.168.4.1	192.168.2.1	Down	8 Ø				
	The mo allow th "Online" (You wi set up)	dem will autor ne VPN to work ' and you will b Il not be able t	matically of once setu be able to to ping the	create the up on both ping the o e LAN gate	Access Co ends. Th ther LAN way 192.1	ntrol L e Stati compu 68.2.1	ist (ACI us will c ter. when I	.) rule to hange to P Sec is			

To delete the ACL rule you first select the VPN you wish to select and click Delete.	Basic	Advanced	ł				Eog o	니 귀 ut Reb	¢ loot
We recommend you reboot the modem.	IPSec V	IPSec VPN							?
		Connection Name	Remote Gateway	Local Address	Remote Address	Status	Enable	Modify	
		Intranet	100.80.0.9	192.168.4.1	192.168.2.1	Down	8	01	
			1	1	•		1	1	2

Please note if you are configuring VX420 to VX420 you will need to do this on both devices' just changing around the LAN IP setting.

Support Contact Details



1300 364 598 Option 1, Option 3



service.escalations@commander.com.au



<u>commander.com.au</u>

