CallvoipTelefonie.nl

Koldingweg 19-1 9723 HL Groningen

Postbus 5236 9700 GE Groningen

т (050) 820 00 00

F (050) 820 00 08

E mail@callvoiptelefonie.nlW www.callvoiptelefonie.nl

Handleiding: ingebruikname UPC met eigen router

Als klant van UPC krijgt u een apparaat meegeleverd (Cisco EPC3925) dat, afhankelijk van uw abonnement, de functie biedt van modem-router of transparant modem:

UPC Abonnement	Gateway ingesteld als	Aantal IP-adressen
UPC Fiber Power	EPC3925 modem-router	1
UPC Zakelijk Alles-in-één	EPC3925 modem-router	1
UPC Zakelijk Fiber Power 1 IP	EPC3925 modem-router	1
UPC Zakelijk Fiber Power 5 IP	EPC3925 modem (transparant)	5

Als de meegeleverde gateway als modem-router is geconfigureerd, dan kan het zijn dat u hinder ondervindt in het gebruik van CallvoipTelefonie in het achterliggende netwerk, bijvoorbeeld:

- Hakkelende gesprekken
- Wegvallende klanken
- Uitval van registratie van uw toestellen

Dat wordt veroorzaakt door de routerfunctie van de Cisco: de instellingen van de router (die u niet allemaal kunt aanpassen) bepalen wat er in uw netwerk wel en niet kan en dit vormt de oorzaak van deze problemen. De oplossing is het gebruik van een eigen router die u achter de Cisco plaatst. De Cisco moet dan alle verkeer onbelemmerd doorlaten naar de daarachter staande router zodat deze kan bepalen wat er wel en niet in het netwerk gebeurt.

Als u contact opneemt met UPC om te vragen om uw modem-router in te stellen als alleen een modem, dan zullen zij u adviseren om uw verbinding te upgraden naar een verbinding met 5 IP-adressen. Uw modem-router wordt dan automatisch teruggezet naar alleen modem. Aan deze upgrade zijn meerkosten verbonden (8,- ex BTW per maand).

U kunt echter ook uw modem-router met 1 IP-adres behouden en de DMZ-optie gebruiken (deze vindt u in de Cisco onder menu Applications and Gaming). Stel hier één IP-adres in en zorg dat de router die u ACHTER de Cisco plaatst aan de WAN-ZIJDE dat IP-adres krijgt. De Cisco zal alle verkeer dan onbelemmerd doorlaten naar de achterliggende router.

Op de volgende pagina's vindt u enige aanvullende informatie en voorbeelden.

ING BANK 5041280 IBAN NL66INGB0005041280 BIC INGBNL2A KVK 02066541 BTW NL1041.63.252.B01

1) UPC-abonnement met Cisco EPC3925 als modem-router

CallvoipTelefonie adviseert haar klanten om een goede eigen router achter de UPC Cisco EPC3925 te plaatsen. CallvoipTelefonie adviseert een FRITZ!Box of DrayTek als router achter de Cisco.



Log in op de EPC3925 via http://192.168.1.1 (geen inlog-gegevens)

- a. Ga naar menu Applications & Gaming > optie DMZ
- b. Kies optie [Enable]
- c. Vul bij DMZ Host IP Address het IP-adres van uw router in, bv: 192.168.1.200
- d. Sla de instellingen op.

	(Cisco EPC39	25 EuroDocsis	3.0 2.PORT Vo	ice Gateway				EPC3925
Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Administra	tion Status	Log OFF		
Port Filtering	Port Range	Forwarding	Port Range Tri	ggering DMZ					
	DM	Z DMZ DMZ	Hosting: Host IP Address:	© Enable 00.0.0	Disable			Help	
				Save Set	tings	Cancel Chan	ges		

Log nu in op uw eigen router en stel hiervan het WAN-IP-adres vast in (192.168.1.200).

Configuratie DrayTek in DMZ van modem-router :

- a. log in en ga naar WAN > Internet Access en kies de juiste interface (WAN1, WAN2)
- b. stel deze linksboven in op [enable]
- kies rechts [Specify an IP Address] en vul in: IP Address het vaste IP-adres dat u de Draytek wilt geven (192.168.1.200) Subnet Mask 255.255.0 Gateway IP het IP-adres van de daarvoor staande UPC EPC3925 (192.168.1.1)
- d. sla op.
- e. Heeft u geen werkende verbinding, herstart dan uw UPC gateway, test opnieuw, herstart daarna evt. ook nogmaals uw DrayTek.

Illustratie: DrayTek achter modem-router in DMZ:

uto Logout 💌	WAN >> Internet Acces	S		
iick Start Wizard rvice Activation Wizard	WAN 1			
line Status	Static or Dynamic IP (Enable Dis	DHCP Client) able	WAN IP Network Settings Obtain an IP address a	WAN IP Alias
General Setup Internet Access Load-Balance Policy Multi-VLAN	Keep WAN Connection	n Dep alive	Router Name Vigor Domain Name * : Required for some I	* SPs
n F ewall rr Management	PING Interval	0 minute(s)	Specify an IP address IP Address	192.168.1.200
ects Setting M dwidth Management	WAN Connection Dete Mode	ction Ping Detect	Subnet Mask	255.255.255.0
lications I and Remote Access tificate Management	Ping IP	90.145.128.1	DNS Server IP Address	192.100.1.1
Application em Maintenance nostics	MTU	1500 (Max:1500)	Secondary IP Address	8.8.4.4
port Area Juct Registration	RIP Protocol		 Default MAC Addres Specify a MAC Add MAC Address: 	ress
Logout All Rights Reserved.	Bridge Mode	de	00 ·24 ·FE :DC ·E	14 • 87

Houdt er wel rekening mee dat u het IP-adres aan de WAN-kant hierbij instelt op 192.168.1.200 en dat dit binnen de standaard-IP-range ligt van de DrayTek aan de LANkant. U dient de IP-range aan de LAN-kant aan te passen zodat deze elkaar niet in de weg zitten. Gebruik hiervoor bv. 192.168.xxx.xxx.

Configuratie FRITZ!Box 7390 in DMZ van modem-router :

Wij adviseren een DrayTek 7390 omdat deze de veel snellere kabelinternetsnelheden kan behalen.

- a. log in klik bovenin beeld op [Expert Mode] zodat hier [Advanced] achter staat.
- b. ga in het menu links naar [Internet] > [Account Information]
- c. Vul in:

Internet Service Provider:	Other Service Provider
Connection:	External Modem or Router
Operation mode:	Make own connection to the internet
Account Information:	No
Connection Settings:	Pas uw up-/downstreamsnelheid aan (zie uw abonnement)
Klik op [Change Connectio	n Settings] en kies [Configure IP address Manually]
IP address:	het IP-adres dat u de FRITZ wilt geven (192.168.1.200)
Subnet Mask:	255.255.255.0
Default gateway:	het IP-adres van de UPC Cisco (192.168.1.1)
Primary DNS:	8.8.8.8
Secundary DNS:	8.8.4.4

d. Heeft u geen werkende verbinding, herstart dan uw UPC gateway, test opnieuw, herstart daarna evt. ook nogmaals uw FRITZ!Box.

					-				
			4	Set pass	sword	🛃 Exper	t Mode: A	dvanced	Contents
verview	Account Information								
Omine Monitor	Internet Connection DNS Serve	r							
Account Information	On this page you enter the data of you	ır Internet c	onnection	, and can a	adjust the	connectio	on to spec	ial circums	tances if neede
elephony	Internet Service Provider								
ome Network	Select your Internet Service Provider:								
LAN	Internet Service Provider	Other In	ternet Sei	rvice Provi	ider	-			
ECT									
	Name								
/izards	Connection								
onfiguration, Opdates,	Specify how the Internet connection sh	iould be est	ablished.						
VERITZ	Connecting to a DSL Line								
alls, Messages	FRITZ!Box is connected to you Internet connection.	r DSL line u	sing the D	SL cable.	The DSL I	nodem ir	itegrated i	n the FRIT	Z!Box is used f
	Connecting to a Cable Modem	(Cable Con	nection)						
	Select this kind of connection if connection.	the "LAN 1	" port of th	e FRITZ!E	Box is conr	ected to	a cable m	odem that	establishes the
	External Modem or Router								
	Select this kind of connection if router.	the "LAN 1	" port of th	ne FRITZ!E	Box is conr	ected to	an alread	y existing e	external modem
	Operating mode								
	Specify whether the FRITZ!Box connect	ts to the Inf	ternet itse	If or share	s an existir	ng Interne	et conneci	ton.	
	Make own connection to the Internet connection for the Internet connection of the Internet connecti	ernet ion in the ne	etwork (IP	client mod	e)				
					·				
	Account Information								
	Is account information required?								
	Yes								
	0.00								
	→								
	No Connection Settings								
	No Connection Settings The connection settings are already si	et to the val	ues used	most often	. You can	change t	hese value	es if neede	d.
	No No Connection Settings The connection settings are already set Data Throughput	et to the val	ues used	most often	. You can	change t	hese value	es if neede	d.
	No No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line.	et to the val	ues used i	most often	. You can	change t	hese value	es if neede	d.
	No No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Unstream	et to the val	ues used	most often uired to se	. You can ecure the p	change t prioritizati	hese value	es if neede network der	d. vices.
	No No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream	et to the val	ues used es are req	most often uired to se 6000	. You can ecure the p kbit/s	change t rioritizati	hese value	es if neede network dev	d. vices.
	No No Ornection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings	et to the val	ues used	most often uired to se 6000	. You can ecure the p kbit/s kbit/s	change t	hese value	es if neede network der	d. /ices.
	No No No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings	et to the val	ues used i	uired to se 6000 60000	. You can ecure the p kbit/s kbit/s	change t	hese value	es if neede network der	d. vices.
	No No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is requ	et to the val	ues used i es are req	most often uired to se 6000 60000 ases. The	. You can ecure the p kbit/s kbit/s	change t irioritizati	hese value	es if neede network der	d. vices.
	 No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings ▲ VLAN Settings Please note that a VLAN ID is require Use VLAN 	et to the value	ues used i es are req	most often ulired to se 6000 60000 ases. The	. You can ecure the p kbit/s kbit/s required I	change t prioritizati) was sup	hese value on of the r	es if neede network dev rour Interne	d. vices. et Service Provi
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings ▲ VLAN Settings Please note that a VLAN ID is require I Use VLAN VLAN ID 	et to the value	ues used i	ulred to se 6000 60000 ases. The	. You can ecure the p kbit/s kbit/s required I[change t prioritizati) was sup	hese value on of the r	es if neede network dev rour Interne	d. vices. et Service Provi
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is required Use VLAN VLAN ID IP Settings 	et to the value	ues used i es are req special ca	most often ulred to se 60000 600000 ases. The	. You can ecure the p kbit/s kbit/s required I	change t rioritizati) was sup	hese value on of the r	es if neede network den rour Interne	d. vices. et Service Provi
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is required use VLAN VLAN ID IP Settings Obtain the IP address auto 	et to the value	ues used i es are req special ca HCP)	most often ulred to se 60000 600000 ases. The	. You can ecure the p kbit/s kbit/s required I	change t prioritizati) was suj	hese value	es if neede network dev rour Interne	d. vices. et Service Provi
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is required use VLAN VLAN ID IP Settings Obtain the IP address auto DHCP host name 	et to the value	ues used i es are req special ca HCP)	most often ulired to se 60000 600000 ases. The	. You can ecure the p kbit/s kbit/s required I	change t rioritizati) was sup	hese value	es if neede network dev rour Interne	d. vices. et Service Provi
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is required use VLAN VLAN ID IP Settings Obtain the IP address auto DHCP host name Configure the IP address representation 	et to the value	ues used i es are req special ca HCP)	most often ulired to se 60000 ases. The	. You can ecure the p kbit/s kbit/s required I	change t prioritizati) was sup	hese value on of the r	es if neede network den rour interne	d. rices. et Service Provi
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is required use VLAN VLAN Settings Please note that a VLAN ID is required use VLAN VLAN ID IP Settings Obtain the IP address auto DHCP host name Configure the IP address miltip address 	et to the value	ues used i es are req special c: HCP)	most often uired to se 60000 ases. The . 1 . cr	. You can ecure the p kbit/s kbit/s required II	change t rioritizati) was sup	hese value on of the r	es if neede network den rour interne	d. rices. et Service Prov
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN ID IP Settings Obtain the IP address auto DHCP host name © Configure the IP address m IP address m IP address Subnet mask Default returner. 	et to the value	ues used i es are req special ca HCP) . 168 . 255	most often uired to se 60000 ases. The - 1 - 255 4	. You can ecure the p kbit/s kbit/s required II	change t rioritizati D was sup	hese value on of the r	es if neede network den rour Interne	d. rices. et Service Prov
	 No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings ▲ VLAN Settings Please note that a VLAN ID is required Use VLAN VLAN Settings Please note that a VLAN ID is required Use VLAN VLAN ID IP Settings Obtain the IP address auto DHCP host name Configure the IP address m IP address Subnet mask Default gateway Primary DNS server 	et to the value These value uired only in matically (D 192 255 192 8	ues used 1 es are req special ca HCP) . 168 . 255 . 168 . 8	most often uired to se 60000 ases. The - 1 - 255 - 1 - 8	. You can ecure the p kbit/s kbit/s required II	change t rioritizati D was sup	hese value	es if neede network den rour Interne	d. vices. et Service Prov
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings A VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Obtain the IP address auto DHCP host name Configure the IP address m IP address Subnet mask Default gateway Primary DNS server Secondary DNS server 	et to the value These value uired only in matically (D 192 255 192 8 8 8	ues used 1 es are req special ca HCP) . 168 . 168 . 8 . 8	most often uired to se 60000 600000 ases. The - 1 - 255 - 1 - 8 - 4	. You can ecure the p kbit/s kbit/s required II - 200 - 0 - 1 - 1 - 8 - 8 - 4	change t rioritizati D was sup	hese value	es if neede network den rour Interne	d. vices. et Service Prov
	 No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings ▲ VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Obtain the IP address auto DHCP host name Configure the IP address mil P address Subnet mask Default gateway Primary DNS server Secondary DNS server 	et to the value These value uired only in matically (D 192 255 192 8 8 8	ues used 1 es are req special ca HCP) . 168 . 255 . 168 . 8 . 8	most often uired to se 60000 600000 ases. The ases. The 1 255 1 8 4	. You can ecure the p kbit/s kbit/s required II - 200 - 0 - 1 - 8 - 4	change t rioritizati D was sup	hese value on of the r	es if neede network den rour Interne	d. vices.
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings VLAN Settings Please note that a VLAN ID is required to the set of the s	et to the value These value uired only in matically (D 192 255 192 8 8	ues used 1 es are req special ca HCP) . 168 . 255 . 168 . 8 . 8 . 8	most often uired to se 60000 600000 ases. The . 1 . 255 . 1 . 8 . 4	. You can ecure the p kbit/s kbit/s required II - 200 - 0 - 11 - 8 - 4	change t rioritizati) was sup	hese value on of the r	es if neede network den rour Interne	d. vices.
	 No Connection Settings The connection settings are already so Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings ▲ VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Please note that a VLAN ID is required. Use VLAN VLAN Settings Obtain the IP address auto DHCP host name © Configure the IP address milP address Subnet mask Default gateway Primary DNS server Secondary DNS server Secondary DNS server If your Internet Service Provider et MAC address 	et to the value These value uired only in matically (D 192 255 192 8 8 8	ues used i es are req special ca HCP) 168 . 255 . 168 . 8 . 8 . 8 . 8 . 24	most often [ulred to se 6000] 60000] ases. The . 1 . 255 . 1 . 8 . 4 address, e . [FE]	. You can ecure the p kbit/s kbit/s required IC . 200 . 0 . 1] . 8 . 4 . 4 . 4 . 10 . 10 . 10 . 11 . 10 . 11 . 10 . 10	change t rioritizati) was sup e e	hese value on of the r oplied by y	es if neede network den rour interne	d. vices. et Service Prov
	 No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings * VLAN Settings Please note that a VLAN ID is required use vLAN VLAN Settings Please note that a VLAN ID is required use vLAN VLAN Settings Obtain the IP address auto DHCP host name © Configure the IP address milP address Subnet mask Default gateway Primary DNS server Secondary DNS server FKIT2IBox MAC Address If your Internet Service Provider et MAC address: 	et to the value These value uired only in matically (D nanually 192 255 192 8 8 8	ues used i es are req special ca HCP) - 168 - 255 - 168 - 8 - 8 - 8 - 8 - 24	most often (ulred to se 6000) 60000) ases. The ases. The 1 255 1 8 4 4 address, e FE	. You can ecure the p kbit/s kbit/s required If . 200 . 0 . 11 . 8 . 4 . 4 . 14 . 16 . 10 . 11 . 200 . 11 . 10 . 10	change t rioritizati) was sup e e : B4	hese value on of the r oplied by y	es if neede network den rour Interne	d. vices. et Service Prov
	 No No Connection Settings The connection settings are already set Data Throughput Enter the speed of your DSL line. Upstream Downstream Change connection settings ▲ VLAN Settings Please note that a VLAN ID is required use VLAN VLAN Settings Please note that a VLAN ID is required use VLAN VLAN Settings Obtain the IP address auto DHCP host name Configure the IP address in IP address Subnet mask Default gateway Primary DNS server FKIT2IBox MAC Address If your Internet Service Provider et MAC address: Check the Internet connection at the set of the s	et to the value These value uired only in matically (D tranually 192 255 192 8 8 8 8 8 00 after "Apply"	ues used i es are req special ca HCP) . 168 . 255 . 168 . 8 . 8 . 8 . 8 . 8 . 8 . 8 . 8 . 8	most often (uired to se 6000) 60000) ases. The . 1 . 255 . 1 . 8 . 4 address, e . FE . clicked	. You can ecure the p kbit/s kbit/s required II - 200 - 0 - 11 - 8 - 4 - 4 - 4 - 11 - 1 - 12 - 11 - 14 - 14 - 12 - 11 - 14 - 11 - 12 - 11 - 12 - 11 - 11 - 11 - 11	change t rioritizati) was su) was su e e : B4	hese value on of the r opplied by y	es if neede network dev rour Interne	d. vices. et Service Provi

Illustratie: FRITZ!Box 7390 achter modem-router in DMZ:

2) UPC-abonnement met Cisco EPC3925 als transparant modem (5IP)

Bij het UPC Zakelijk Fiber Power 5IP-abonnement wordt uw UPC EPC3925 gateway ingesteld als transparante 'bridge'. Deze laat alle verkeer geheel onbelemmerd door. Hierdoor beschikt u over een volledig transparante internetverbinding en zijn de volgende functionaliteiten niet via de EPC3925 beschikbaar:

- Network Address Translation (NAT)
- Draadloos werken met WiFi
- Dynamic Host Configuration Protocol (DHCP)
- Simpele firewall



Het is hierbij van belang dat u een goede router/firewall achter de EPC3925 plaatst ter bescherming van het achterliggende netwerk.

Ook hier adviseert CallvoipTelefonie een FRITZ!Box of DrayTek als router.

U kunt de FRITZ!Box niet gebruiken indien u ook daadwerkelijk meer dan één IP-adres wit gaan gebruiken (routed subnet); kiest u in dat geval voor een DrayTek-router (bv. de DrayTek Vigor 2920). Als u vragen heeft, neemt u contact met ons op – wij adviseren u graag.

De 5 IP-adressen die u van UPC krijgt maken deel uit van een blok van 8 adressen. Het eerste en laatste adres hiervan zijn nodig voor de UPC-verbinding; het tweede wordt gebruikt voor de gateway (Cisco EPC). De overige adressen kunt u zelf gebruiken.

Voorbeeld (NB: u krijgt een EIGEN reeks IP-adressen, de adressen hieronder zijn fictief):

IP-adres	Functie / toepassing
95.97.100.0	Gereserveerd: UPC Business netwerk address
95.97.100.1	Gereserveerd: UPC Business Gateway address (EPC3925)
95.97.100.2	Vrij te gebruiken voor uw netwerk
95.97.100.3	Vrij te gebruiken voor uw netwerk
95.97.100.4	Vrij te gebruiken voor uw netwerk
95.97.100.5	Vrij te gebruiken voor uw netwerk
95.97.100.6	Vrij te gebruiken voor uw netwerk
95.97.100.7	Gereserveerd: UPC Business broadcast address

Configuratie DrayTek achter transparant modem ('bridge'):

- a. log in en ga naar WAN > Internet Access en kies de juiste interface (WAN1, WAN2)
- b. stel deze linksboven in op [enable]
- c. kies rechts [Specify an IP Address] en vul in:
 - IP Addresshet IP-adres dat u voor de Draytek wilt gebruiken (95.97.100.2)Subnet Mask255.255.248Gateway IPhet IP-adres van de UPC gateway (95.97.100.1)
- d. sla op.
- e. Heeft u geen werkende verbinding, herstart dan uw UPC gateway, test opnieuw, herstart daarna evt. ook nogmaals uw DrayTek.

Illustratie: DrayTek 7390 achter transparant modem:

o Logout 💌	WAN >> Internet Acces	S		
ick Start Wizard	WAN 2			
line Status	Static or Dynamic IP (DHCP Client)		WAN IP Network Settings Obtain an IP address a	WAN IP Alias
General Setup Internet Access Load-Balance Policy Multi-VLAN	Keep WAN Connection	n eep alive	Router Name	*
N T	PING to the IP		* : Required for some I	SPs
ewall	PING Interval	0 minute(s)	IP Address	95 97 100 2
r Management ects Setting	WAN Connection Dete	ction	Subnet Mask	255.255.255.248
M ndwidth Management plications	Mode Ping IP	Ping Detect 94.212.54.1	Gateway IP Address	95.97.100.1
N and Remote Access tificate Management B Application	TTL:	254	Primary IP Address	8.8.8.8
tem Maintenance gnostics	мти	1500 (Max:1500)	Secondary IP Address	8.8.4.4
pport Area duct Registration	RIP Protocol		 Default MAC Address Specify a MAC Address: 00, 50, 75, 00, 10 	ress
Logout All Rights Reserved.		ОК	Cancel	D .70

Configuratie FRITZ!Box 7390 achter transparant modem ('bridge'):

Wij adviseren een DrayTek 7390 omdat deze de veel snellere kabelinternetsnelheden kan behalen.

- a. log in klik bovenin beeld op [Expert Mode] zodat hier [Advanced] achter staat.
- b. ga in het menu links naar [Internet] > [Account Information]

C.	Vul in:	
	Internet Service Provider:	Other Service Provider
	Connection:	External Modem or Router
	Operation mode:	Make own connection to the internet
	Account Information:	No
	Connection Settings:	Pas uw up-/downstreamsnelheid aan (zie uw abonnement)
	Klik op [Change Connectio	n Settings] en kies [Configure IP address Manually]
	IP address:	het IP-adres dat u voor de FRITZ! wilt gebruiken (95.97.100.2)
	Subnet Mask:	255.255.255.248
	Default gateway:	het IP-adres van de UPC Cisco (95.97.100.1)
	Primary DNS:	8.8.8.8
	Secundary DNS:	8.8.4.4

d. Heeft u geen werkende verbinding, herstart dan uw UPC gateway, test opnieuw, herstart daarna evt. ook nogmaals uw FRITZ!Box

Illustratie: FRITZ!Box 7390 achter transparant modem:

FRITZ!	F _R I _T Z!Box 7390
	🛕 Set password 🛛 📑 Expert Mode: Advanced 🛛 😫 Contents 🔗 Help
rview	Account Information
net	Internet Connection DNS Server
onitor	
uon	On this page you enter the data of your Internet connection, and can adjust the connection to special circumstances if needed.
	Internet Service Provider
	Select your Internet Service Provider:
	Internet Service Provider Other Internet Service Provider
	Name
	Connection
)	Specify how the Internet connection should be established.
	Connecting to a DSL Line
	FRITZ!Box is connected to your DSL line using the DSL cable. The DSL modem integrated in the FRITZ!Box is used for the Internet connection.
	Connecting to a Cable Modem (Cable Connection)
	Select this kind of connection if the "LAN 1" port of the FRITZIBox is connected to a cable modem that establishes the Internet
	External Modem or Router
	Select this kind of connection if the "LAN 1" port of the FRITZ!Box is connected to an already existing external modem or router.
	Tokol.
	Operating mode
	Specify whether the FRITZ!Box connects to the Internet itself or shares an existing Internet conneciton.
₹	Make own connection to the Internet Share existing Internet connection in the network (IP client mode)
	Account Information
	Is account information required?
	© Yes
\rightarrow	@ NO
	Connection Settings
	The connection settings are already set to the values used most often. You can change these values if needed.
	Data Throughput
	Enter the speed of your DSL line. These values are required to secure the prioritization of the network devices.
	Upstream 10000 kbit/s
	Downstream 100000 kbit/s
	Change connection settings 🔺
	VLAN Settings
	Please note that a VLAN ID is required only in special cases. The required ID was supplied by your Internet Service Provider.
	USE VLAN VLAN ID
	Obtain the IP address automatically (DHCP)
	DHCP host name
	Configure the IP address manually
	IP address 95 . 97 . 100 . 2
	Subnet mask 255 · 255 · 255 · 248
	Default gateway 95 · 97 · 100 · 1
	Secondary DNS server 8 8 4 4
	If your Internet Service Drovider evolute a special MAC address, enter it bare
	If your Internet Service Provider expects a special MAC address, enter it here MAC address: 00 24 FE BE
	If your Internet Service Provider expects a special MAC address, enter it here MAC address: 00 24 FE DC B4 87 If your Internet connection after "Apply" has been clicked
	If your Internet Service Provider expects a special MAC address, enter it here MAC address: 00 : 24 : FE : DC : B4 : 87 If your Internet connection after "Apply" has been clicked

Deze handleiding wordt u aangeboden door:



Koldingweg 19-1 9723 HL GRONINGEN T: 050 – 820 00 00 F: 050 – 820 00 08

www.callvoip.nl callvoip@callvoip.nl

CallvoipTelefonie levert professionele internet-telefoniediensten en adviseert u graag bij het kiezen van uw internetverbinding(en) en het leggen van een goede netwerkbasis. Neemt u gerust vrijblijvend contact met ons op – wij helpen u graag.